



BigFix Session Library

A Guide to the BigFix Session Inspectors

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Compatible with
BES 7.2

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Preface

The *BigFix Session Library* is a guide to the Inspectors of the **Relevance Language**[™] as applied to BES Sessions, including the BES Console and Web Reports. The BigFix Session Inspectors allow you to access information statistically collated from the BES Database. Using this information, you can then develop interactive displays, Dashboards, Wizards and powerful custom reports for display in the BES Console or Web Reports program.

This Guide is specifically targeted to developing presentations using the Session Inspectors. Client Inspectors are not available within the Session context, due to security considerations. However, you can use any of the Core or Regex Inspectors, as indicated by the keyword section at the end of this document. For more information on these Inspectors, see the *Windows Inspector Library*.

Audience

This guide is for IT managers and other people who want to create customized displays and reports using the BES Databases.

IT managers use the BigFix Enterprise Suite (BES) to keep large networks of computers up to date and running smoothly without interruption. The information stored in the BES Database can also be tapped by the Session Inspectors to create interactive displays and detailed reports on all the computers in the network.

You can always create custom reports and displays using a third-party reporting engine or by directly querying the database. However, the BigFix Session Inspectors are typically easier to set up and offer greater power and flexibility. Most importantly, the resulting reports can be interactive and offer real-time display updates.

To get the most out of this manual, it helps to have some experience with the BigFix Enterprise Suite and the BigFix Relevance Language. For more information, see the *BigFix Enterprise Suite (BES) Console Operator's Guide* and the *BigFix Relevance Language Reference*.

Conventions Used in this manual

This document makes use of the following conventions and nomenclature:

Convention Use

Bold Sans A bold sans-serif font is used for Inspector headers.

`Mono-space` A mono-spaced font is used to indicate expressions in the Relevance Language.

`{curly braces}` Braces are used to indicate the comparison `{=, !=}` or arithmetic operators `{+, -}` that are available for a binary operation.

`<angle bracket>` Angle brackets are used to indicate an object type. For instance to indicate the creation and usage of a particular object, you might see “absolute value of `<integer>`” which indicates that an integer is to follow the “absolute value of” keyphrase.

Italics An Inspector form. Some Inspectors are simple keywords. Others are a keyword in combination with another Inspector. Still other forms allow iteration through object lists. Each form is defined below

Small print The small print beneath the description of each Inspector lists the first implementation for every relevant operating system.

Examples

Square bullets and a mono-spaced font denote examples of Inspectors as used in a Relevance Expression. If you have a color version of this file, these square bullets are also red:

- `concatenation of "light" & "year"`
- ▶ Returns "lightyear"

Diamond-shaped bullets denote generic examples. These won't execute until the generic parts (typically in angle brackets `<>`) are filled in:

- ◆ `html tag (<name>, <contents>)`
- ▶ Creates an html tag with the specified name and contents.

Versions

Each Inspector will indicate the Version that introduced it, such as Win:6.0.

Introduction

This manual details the properties and operators of the BigFix Session Inspectors. Inspectors are the basis of the Relevance Language. With Inspectors, you can write Relevance expressions to query thousands of properties of any networked BES computer. Inspectors are also used to produce substituted variables in action buttons, providing great flexibility in deploying fixes and updates. In particular, Session Inspectors can be used to create reports and displays using the large BES Database, which includes fresh updates from the network as well as statistically compiled historical data. Client Inspectors are not available in the Session scope, and are not included in this guide.

You will notice that many of the keywords of the language are not unique; they get their meaning from their context. Accordingly, their definitions often include a phrase to define the context of each Inspector.

In the following pages, you will find tables defining the Inspectors of the Relevance language. The Inspectors come in several **forms** depending upon their context:

| Form | Syntax required |
|----------------|-------------------------------------|
| Cast | <object> as keyword |
| Global | keyword |
| Index | keyword <i>index</i> of <object> |
| Named | keyword " <i>name</i> " of <object> |
| NamedGlobal | keyword " <i>name</i> " |
| Numbered | keyword <i>number</i> of <object> |
| NumberedGlobal | keyword <i>number</i> |
| Plain | keyword of <object> |

These differ from one another in format and in the syntax they require. Except for Cast, these forms can be used to access both single objects and *lists* of objects by using the plural form of the keyword. The plurals are listed in the Keyword section later in this document.

Creation Methods are used to create objects of the specified type, and various **Properties** are available for each object.

Operators list the binary and unary operations that can be performed with the given object type. Binary operators take two inputs and generate one output. The integer '+' (addition) operator is an example of a binary operation. Unary operators take a single input and generate a single output. The boolean 'Not' operation is an example of a unary operation.

Getting Started

Introducing Session Inspectors

Session Inspectors allow users to mine data from the BES Console's data stores. These Inspectors can be used to query information about an entire BES deployment and consequently, provide extremely powerful reporting capabilities. In addition to the Session Inspectors described here, the Core Inspectors (such as string, integer, etc.) are also available. However, for security reasons, the Client Inspectors are not available in this context.

Session Inspectors return information about Console objects, not the local computers themselves. Users may probe for information regarding Fixlet messages and tasks, computers, actions, analyses, sites, wizards, and properties. These Inspectors deal with extremely large data sets and should be used with care by experienced BES content authors. For the sake of compactness and efficiency, this Guide excludes the Core and Client Inspectors of the BigFix Relevance language. For more information about the extended Relevance language, consult the *BES Inspector Guides*.

The Session Inspectors can be run in two environments: the BES Console and Web Reports. Using Session Inspectors, you can create dynamic displays in the BES Console to get a condensed history or a real-time view of the current network status. In Web Reports, you can create flexible reports that can aggregate data across multiple servers and that you can print or archive for future reference.

To tell whether your Relevance expressions are being evaluated in the BES Console or Web Reports, you can use the following global boolean properties:

- `in console context`
- `in Web Reports context`

These Inspectors will return TRUE or FALSE, depending on which environment is currently active.

Running the Presentation Debugger

The Presentation Debugger is available from the optional Debug menu in the BES Console. You can create and debug Session code from this interface. As you go through this guide, you might want to type the examples into the Presentation Debugger and click the **Evaluate** button. This is an excellent way to learn what the Session Inspectors can do for you.

If you don't already have the Debug menu installed in the BES Console, simply hold down Ctrl-Alt-Shift-D. That will bring up the Debug dialog which continuously displays information pertaining to the BES Console. Check the box labeled **Show Debug Menu** to add the Debug menu to the Console interface.

Once you've installed the Debug Menu, select Presentation Debugger and a dialog box will appear. There is a text box at the top, where you can key in Relevance expressions or simply cut and paste from any examples you have. You can also load a file with the **Open File** button. You can evaluate the expression as a string, HTML or a Presentation. Click the Evaluate button to see the results in the lower pane of the dialog.

Editing Presentations

Every time you make a change using the Presentation Debugger, you must re-import it, creating a new copy of the analysis. During extensive debugging, you may end up with multiple copies of the same analysis. This can make it difficult to keep track of the latest version, can clutter your console, and may bog down the clients with superfluous analysis evaluation.

So, although the Presentation Debugger works well for a few lines, it is inefficient for significant development projects. Some suggestions for making the process more productive are:

- Develop iteratively, a short section at a time. Use the Presentation Debugger for each short section, rather than the whole presentation, and combine the sections after debugging.
- Put the content in a Fixlet site and subscribe to it. Then you'll get content replacement automatically.
- Use the Web Reports **Edit Custom Report** feature, which allows you to make quick presentation edits and immediately view them in Web Reports.
- Make a Document Wizard XML file on your local drive, and then use the **Debug > Load Wizard** menu option to add it to the menus or navbar. The XML file will be reloaded each time you close and reopen the document.

Using Data-Store Inspectors

You can get a good overview of the available Inspectors by evaluating the following Relevance expression in the Presentation Debugger:

- `properties whose (direct object type of it as string starts with "bes")`

This will yield a list of hundreds of BES Session Inspectors. The basic types include:

- bes **fixlet**
- bes **action**
- bes **property**
- bes **computer**

These types are global iterated properties. For example:

- `names of bes properties`
 - ▶ Returns a list of the names of all the currently assigned properties.
- `names of bes computers`
 - ▶ Returns a list of the names of all the computers administered by the current user.

Set Inspectors

As well as iterated lists, there is a related class of Inspectors that work with sets. These Inspectors treat a list of objects as a mathematical set. These sets, in turn, can be manipulated with traditional set operators like union and intersection. You can create sets from individual elements, separated by semicolons:

- `elements of intersection of (set of ("to";"be"); set of ("or"; "not"; "to"; "be"))`
- ▶ Returns the list: be,to.

Or you can create sets from ordinary lists:

- `intersection of administered computer sets of bes users whose (name of it is "joe" or name of it is "sue")`
- ▶ Returns the set of computers administered by both Sue and Joe.

Using HTML Inspectors

In order to display the results of your Session Inspectors, BES provides a way to view and format them using HTML. There are a number of Inspectors that facilitate the generation of HTML text from the ordinary string and numeric literals typically returned by a Session Inspector. In particular, you may want to generate well-formed HTML from the various properties and their statistics. When generating HTML, you will be working with the "html" type. This type can be thought of as a string that carries around an indication that its contents are to be treated as HTML. This automatically keeps track of normal string characters that have special meaning in HTML (such as <, >, and &), and escapes them. Forgetting to escape these special characters when outputting text – especially when based on user input or database content – is frequently a source of errors.

The following two features help you to avoid such errors when authoring presentations:

- The Inspector conversion from string to HTML automatically converts reserved characters to the appropriate HTML entities.
- The results of evaluating relevance processing instructions are converted to HTML before being inserted in the presentation HTML.

This means that you can write Relevance expressions just as you would expect and simply use the html Inspector to convert it:

- `html of "AT&T"`
- ▶ Returns `<html>AT&T</html>`

Notice that the ampersand is properly converted to HTML code, and the whole phrase is embedded between `<html>` tags. Or you can cast a string as an html type explicitly to achieve the same results (but without the bracketing `<html>` tags):

- `"<h1>Heading</h1>" as html`
- ▶ Returns `<h1>Heading</h1>`

This syntax allow you to embed any kind of text you want in an HTML string without it being interpreted as an HTML command. But what if you actually want HTML code to be output? This can also be done with an indexed HTML command such as:

- `html "<h1>Heading</h1>"`
- ▶ Returns `<h1>Heading</h1>`

This is very similar to the “html of” command (above), so take care to note the difference. You should try to minimize usage of the "html" indexed property, as it could potentially provide a mechanism for a malicious user to launch a script insertion attack on the Console. As an alternative to HTML string literals in Relevance expressions, consider using one of the HTML tag Inspectors described below. As an alternative to HTML formatted retrieved properties, consider reporting the results in plain text and doing the formatting from within the presentation.

If you concatenate `html` with strings, it will automatically escape any reserved characters:

- `html "<h1>" & "PG&E" & html "</h1>"`
- ▶ Returns `<h1>PG&E</h1>`

Or:

- concatenation of `(html "<h1>"; "R&D" as html; html "</h1>")`
- ▶ Returns `<h1>R&D</h1>`

Note that for concatenation, the items in the list must all have the same type, so the following will not work:

- concatenation of `(html "<h1>"; "R&D"; html "</h1>")`
- ▶ Returns the error: Incompatible types (html and string).

Using HTML Tag Inspectors

Although it is possible to use the "html" indexed property (as shown above), the HTML tag Inspectors are recommended instead:

- `html tag "h1" of "Johnson & Johnson"`
- ▶ Returns `<h1>Johnson & Johnson</h1>`

The "html tag" takes as an index parameter the name of the HTML element with which to surround the direct object text. The direct object (the object after the "of") can be either a string or html. If it is a string, it will be HTML-escaped. The index parameter can also include attributes, separated from the element name by whitespace:

- `html tag "h1 id='Ben & Jerry'" of "Ben & Jerry"`
- ▶ Returns `<h1 id='Ben & Jerry'>Ben & Jerry</h1>`

Nesting tags is straightforward:

- `html tag "div id='header'" of html tag "h1" of "AT&T"`
- ▶ Returns `<div id='header'><h1>AT&T</h1></div>`

Most common HTML elements have a shorthand tag property:

- `h1 of "P&G"`
- ▶ Returns `<h1>P&G</h1>`

Like the generic html tag Inspector each shorthand tag property accepts either strings or html as a direct object. Each also accepts HTML attributes as an index parameter:

- `h1 "id='P&G' class='header'" of "P&G"`
- ▶ Returns `<h1 id='P&G' class='header'>P&G</h1>`

The following tags are supported:

| | | | | |
|-------|---------|------------|----------|---------|
| abbr | acronym | address | anchor | b |
| base | big | blockquote | body | caption |
| cite | code | col | colgroup | dd |
| del | dfn | div | dt | em |
| h1 | h2 | h3 | h4 | h5 |
| h6 | head | html | i | ins |
| kbd | li | link | meta | ol |
| p | pre | q | samp | small |
| span | strong | sub | sup | table |
| tbody | td | tfoot | th | thead |
| title | tr | tt | ul | var |

Since "a" is ignored by the relevance evaluator, the "a" shorthand property is replaced by "anchor".

- `anchor "href='http://www.bigfix.com'" of "bigfix"`
- ▶ Returns `bigfix`

Finally, there are a few special purpose aggregating properties:

- **ordered** list
- **unordered** list
- **definition** list

These produce HTML lists (of the respective types) of their plural string or html direct object:

- `ordered list of ("<"; ">"; "&")`
- ▶ Returns `<>&`
- `unordered list of ("<"; ">"; "&")`
- ▶ Returns `<>&`

The definition list command alternates between dt and dd elements. It is meant to be used where you have a natural set of name/value pairs:

- `definition list of (name of it; free space of it as string) of drives whose (exists free space of it)`
- ▶ Returns `<dl><dt>C:</dt><dd>32183602176</dd> <dt>G:</dt><dd>4845355008</dd></dl>`

Linking To Other Documents

You can use the link property of `<bes fixlet>`, `<bes computer>`, `<bes action>` and `<bes user>` to create a hyperlink that will open the document window for that object when it is clicked.. In the BES Console, clicking the link will open the MDI document for the given object. In Web Reports, the link opens a Web Reports page for the object. There are a few different forms of the link Inspector:

- `link of bes fixlet whose (id of it is 1)`
 - ▶ Returns an anchor tag of the form: `BES Clients in Seat Count Grace Mode`

This creates a hyperlink labeled “BES Clients in Seat Count Grace Mode” (the title of the Fixlet message) that, when clicked, will bring up the Fixlet with ID=1 in the BES Console.

You can specify the contents of the anchor tag by using an index object:

- `link "Click Here" of bes fixlet whose (id of it is 1)`
 - ▶ Returns `Click Here`,
- `link (b of "Click Here") of bes fixlet whose (id of it is 1)`
 - ▶ Returns `Click Here`, creating the link in bold face.

You can get just the href string using link href:

- `link href of bes fixlets whose (id of it is 0)`
 - ▶ Returns `linkid:openfixlet(2,1)`.

Web Reports doesn't use the linkid: protocol, but instead interprets the code to generate its own-style links. Therefore, for portability reasons, you should try to use the link Inspector to automatically generate the proper link styles whenever possible.

Using Preprocessing in Presentations

You can evaluate relevance in presentations in two ways which are compatible with both the BES Console and Web Reports. There are certain things you can do in the BES Console – such as refreshing content – that will not work in Web Reports, but these are designed to fail gracefully. The two ways are server side and client side, although the meanings of these terms are a bit different than what you might expect. In this section we talk about the server side (preprocessing) technique; the next section will cover the client side (JavaScript).

For server side preprocessing, relevance commands are set into a special relevance tag:

- ◆ `<?relevance "expression"??>`

Notice that this is similar to other language declarations, such as `<?xml?>` or `<?php?>` tags. Preprocessor directives are typically handled by the server before the page is loaded and handed off to the display engine. In this implementation, that role is played by the BES Console.

In BES Consoles prior to version 6.0, these preprocessor relevance commands are ignored. However, in 6.0 the instructions are parsed out at load time and replaced by the result of evaluating the given expression. This is useful for expressions that only need to be evaluated once, or for those you need as soon as the page is loaded. In Web Reports, you might choose this technique if you want to apply an active filter.

The result is coerced into the new html Inspector type, which means that string results will be escaped so that they will not confound any surrounding HTML code.

Using JavaScript in Presentations

The second way to add relevance to your presentations is with a client-side JavaScript. This technique uses the EvaluateRelevance API, which allows you to incorporate Relevance results within JavaScripts. This functionality is provided by an external javascript file which is automatically included by console documents that support presentation functionality (including Fixlets, Tasks, Baselines, Analyses and Wizard documents). In Web Reports the included file is defined slightly differently, but provides the same functionality.

From any script code you can evaluate a Relevance expression and get the results back as a string, like this:

```
◆ myDiv.innerText = EvaluateRelevance( "expression" );
```

Where “expression” is a Relevance expression, as discussed above. The result of EvaluateRelevance depends on whether the expression is a singular expression or a plural expression. If expression is singular, the result is a string. If it is plural, the result is an array of strings. Unlike the results of relevance in processing instructions, none of the strings are HTML-escaped unless you use the "as html" cast explicitly.

There are many advantages to working with JavaScript. One of the most important is user interactivity. For example, you can create a script that will only evaluate relevance after getting input from the BES Console user.

NOTE: If an error is encountered, EvaluateRelevance throws an exception. You can get a descriptive error string as follows:

```
try
{
    myDiv.innerText = EvaluateRelevance( "expression" );
}
catch (e)
{
    window.alert( "Error encountered evaluating relevance: " + e.description );
}
```

Refreshing Relevance

In general, users of the BES Console expect the documents to be updated as new information comes in from the database. In order to make <?relevance ?> instructions automatically update, you need to specify another pair of processing instructions to enclose the desired section of the document:

- <?BeginRefreshRelevance?>
- <?EndRefreshRelevance?>

These tags will cause every <?relevance ?> tag contained between them to be re-evaluated every time something in the BES Database changes. If the result of the relevance is unchanged, then the document is left unaltered. However, if the result of the relevance is different from the last time it was evaluated, the section of the document enclosed by the BeginRefreshRelevance and EndRefreshRelevance tags is updated to reflect the new results.

NOTE: WebReports does not support refreshing relevance.

The actual implementation of this update is important because it may affect the way you need to code your HTML. The `<?BeginRefreshRelevance?>` tag is replaced by a `` tag, and the `<?EndRefreshRelevance?>` tag is replaced by a `` tag. When the BES Console detects that one of the `<?relevance ?>` tags has changed, it updates the entire section of the document by replacing the contents of the `` tag with the new contents that reflect the change in the result of the relevance. The insertion of these `` tags can affect how the HTML is rendered, so be careful where you place the `BeginRefreshRelevance` and `EndRefreshRelevance` tags.

In order to correctly identify which `` needs to be updated the console assigns an "id" attribute to the `` tag that it generates to replace the `<?BeginRefreshRelevance?>` tag. By default, that id is "`__DRRSN`" (an acronym for Default Refresh Relevance Section Name). You can specify a different id in the refresh tags like this:

- `<?BeginRefreshRelevance id="MyRefreshSpan"?>`
- `<?EndRefreshRelevance id="MyRefreshSpan"?>`

Note that the ids must match up. You can nest `RefreshRelevance` tags arbitrarily because they will be matched up using their ids. Note that since the default id is a fixed value, you cannot specify more than one `RefreshRelevance` section without using an id attribute (otherwise the same id would be used more than once, which would be invalid).

You can specify what types of changes will trigger a refresh, and how often by adding attributes to the `BeginRefreshRelevance` tag. By default, ALL types of changes will trigger a refresh no matter how long it has been since the last refresh. Here is an example:

- `<?BeginRefreshRelevance id="OpenActions" ActionResults="00:01:00" Actions="00:00:00" ?>`
- `<?relevance (link of it & " (" & (number of results of it as string) & ") " & br) of bes actions whose (state of it is "Open") ?>`
- `<?EndRefreshRelevance id="OpenActions" ?>`

The first line has an attribute called `ActionResults`, which determines the refresh rate. Here it is set to `00:01:00` to refresh no more than once per minute (using the standard BES `TimeInterval` string format). When an action result changes, the BES Console will only refresh the section if at least one minute has passed since the last action result change was detected. There is also an `Actions` attribute which determines the refresh rate of the action itself (whether it has been taken, stopped, restarted, etc.). The value of `00:00:00` dictates that as soon as an action changes, the section should be refreshed, regardless of elapsed time.

The second line of this example displays the open actions as a list of HTML links. Click on one to bring up the associated action document. After each link, the number of results for each action appears in parentheses, which is a rough approximation of how many applicable computers have reported on the action. The list might look something like this:

```
MS03-037: Flaw in Visual Basic for Apps Could Allow Code Execution (2524)
MS03-037: Vulnerability in Explorer Could Allow Remote Execution (39824)
```

This section only depends on the actions and their results, so the RefreshRelevance tag only needs to specify those two attributes. The other refresh attributes include:

- **Computers:** Refresh whenever a computer is added or removed (ComputerDataStore).
- **ReportTimes:** Refresh whenever a computer's last report time changes.
- **ExternalContent:** Refresh whenever external Fixlet site content changes (FixletStore).
- **CustomContent:** Refresh whenever custom content changes, not including actions (ActionSiteStore).
- **Actions:** Refresh whenever actions are taken, stopped, restarted, etc. (ActionStore).
- **ActionResults:** Refresh whenever a client reports on the status of an action (ActionResultStore).
- **FixletResults:** Refresh whenever a client reports on the relevance of a fixlet (FixletResultStore).
- **PropertyResults:** Refresh whenever a client reports a new value for a retrieved property (RPResultStore).
- **RefreshCycle:** See notes below.
- **ManualRefresh:** See notes below.

NOTE: Refreshes are actually only done at the end of each refresh cycle, not when the change is first detected. At the end of the cycle the BES Console checks to see if any of the attributes you specified has changed and if the time interval has expired. If both conditions are met, then a refresh occurs. The RefreshCycle attribute can be used to force a refresh at the end of the refresh cycle, regardless of whether anything has changed or not.

You can also create blocks that can be refreshed manually by using the ManualRefresh attribute in combination with the predefined ManualRefresh script function. For example:

- `<?BeginRefreshRelevance id="Clock" ManualRefresh="00:00:00"?>`
- `<P>The current time is: <?relevance now ?></P>`
- `<?EndRefreshRelevance id="Clock" ?>`
- `<P><Button onclick='ManualRefresh("Clock") '>Refresh</Button></P>`

NOTE: You must pass the id of "Clock" to the ManualRefresh function, or you will refresh the wrong section. If you call ManualRefresh with a blank or empty parameter, it will refresh the default section (named __DRRSN).

To refresh all the sections, use `ManualRefreshAll()`. So, in the following example:

- `<?BeginRefreshRelevance ManualRefresh="00:00:00"??>`
- `<?relevance now ?>`
- `<?EndRefreshRelevance?>`
- `<?BeginRefreshRelevance id="Foo" ManualRefresh="00:00:00"??>`
- `<?relevance now ?>`
- `<?EndRefreshRelevance id="Foo"??>`

Here, either `ManualRefresh("")` or `ManualRefresh()` will refresh the first clock, which has the default name. `ManualRefresh("Foo")` will refresh the second clock, named Foo. `ManualRefreshAll()` will refresh both clocks.

NOTE: If the call to the `ManualRefresh` script function is inside the refresh tags you run the risk of confounding your browser. IE is actually quite tolerant of this sort of thing, but it's good practice to put the call to `ManualRefresh` outside of the `<?Refresh?>` tags that it refreshes.

Statistical Aggregation

BES 6.0 maintains a set of historical databases, allowing you to display and archive long-term statistical data about your networked computers.

A good way of illustrating how this feature works may be to think about the dimensions of the data managed by BES. In BES version 5.1, property data has two dimensions: property and computer. You could envision all the property results as a two dimensional table, with each column representing a property, and each row representing a computer. A cell in this table holds the most recent result reported by a computer for the given property.

In BES version 6.0, a time dimension has been added: selected properties can be set up to track changes over time. In order to keep the size of the data manageable, statistics are aggregated over all the computers reporting on a specific property in a particular time period.

You can envision the resulting data set as another two dimensional table. Again, each column represents a single property, but now each row represents a interval of time, for example the five minute interval between 12:00 and 12:05 AM on Jan 1 2006. Each cell in this table contains a statistical summary of all the clients reporting on the given property during the specified time period. The statistics could indicate, for example, that 67 clients recorded a result during a specified five-minute period, that the average value recorded in that period was 144.32, and that the maximum value recorded was 226.

These cells are called **statistical bins**. For each enabled property, BES keeps 2048 bins of 5 minute duration, 2048 bins of 1 hour duration, and 2048 bins of 1 day duration. This is equivalent to about a week's worth of 5 minute bins, three month's worth of hour bins, and 5.5 years of day bins. The bins of a given property will never overlap and always form a contiguous range.

The Inspectors which expose this data work with statistical bins as well as **ranges** of statistical bins.

Creating Statistical Properties

There are a couple of methods you can use to get statistical properties into your deployment:

- Import an existing analysis containing properties with the **KeepStatistics** attribute set to TRUE.
- Author an analysis in a Fixlet site using hand-edited action script MIME. Add the header **X-Keep-Statistics:true** to the property headers.

The property of interest must return an integer, floating point or Boolean type in order to compile statistics. If you attempt to set the KeepStatistics attribute on a property that does not return one of these types, it will be ignored.

Plural properties work as expected. For example, "free spaces of drives" will result in statistics about all drives on all computers.

Accessing Statistics

To access the aggregated statistics for a specific property, use the statistic range Inspector:

- ◆ `statistic range of <property>`

This returns the range of statistical bins associated with the specified property. The property must have been marked for statistical aggregation. If it has not, or no clients have reported results, this Inspector throws `NoSuchObject`.

Inspecting Statistical Ranges

You have several tools to examine statistical ranges:

- ◆ `start of <statistic range>`
- ◆ `end of <statistic range>`

These return the starting and ending times of the specified range.

- ◆ `range <time range> of <statistic range>`

For `time range = (t0, t1)`, returns a sub-range of bins beginning with the earliest bin containing `t0` and ending with the bin just before the one containing `t1`. If either of these bins does not exist, it throws `NoSuchObject`.

- ◆ `bin at <time> of <statistic range>`

Returns the bin in the statistical range which starts before and ends after the specified time range. If no such bin exists, it throws `NoSuchObject`.

- ◆ `total of <statistic range>`

Statistically totals the bins in the specified range, producing a single bin covering the same range. Primarily useful after constraining the range.

- ◆ `totals <time interval> of <statistic range>`

Used for downsampling (condensing) bins. Totals over the specified range, producing a new series of bins with length determined by the time interval. The resulting range will start and end on a multiple of the time interval. For example if you ask for day bins, the result will start and end at midnight. If the time interval is not a multiple of the the length of the starting bin of the range, this Inspector throws `NoSuchObject`. For example, you cannot get 6-hour totals of a range which starts with day bins.

- ◆ `bins of <statistic range>`

Iterates over the individual bins in the range. Primarily useful after downsampling.

Using Linear Projections

A bin represents two-dimensional data: values collected over a range of time. When the time range for a bin is large, we can look for trends in the way the values change over time. The "linear fit of <statistical bin>" Inspector uses the least-squares method to fit a line through the data in the bin. The linear projection it returns has the following floating-point properties:

- ◆ correlation coefficient of <linear projection>

This provides a measure of how well the projection fits the data. The value ranges from -1 to 1, where -1 represents a perfect inverse correlation, 1 is a perfect direct correlation, and 0 represents no correlation at all.

- ◆ extrapolation (<time>) of <linear projection>

This is the projected value at a given time.

- ◆ rate of <linear projection>

This represents the slope of the line. Multiply this by a time interval to compute the projected growth over a period of that length.

Using Exponential Projections

The "exponential fit of <statistical bin>" function is similar to the linear projection. It uses the least-squares method to fit a line through the logarithms of the values in the bin. It is therefore only useful for positive data. The exponential projection it returns has the following floating-point properties:

- ◆ correlation coefficient of <exponential projection>

This provides a measure of how well the projection fits the data. The value ranges from -1 to 1, where -1 represents a perfect inverse correlation, 1 is a perfect direct correlation, and 0 represents no correlation at all. Remember this is a correlation to the logs, not the values themselves.

- ◆ extrapolation (<time>) of <exponential projection>

This is the projected value at a given time.

- ◆ rate (<time interval>) of <exponential projection>

This is the factor by which the value is projected to increase over the given time interval.

Examples

The following sample code will populate a JavaScript array named 'statistics' with summary statistics for the last 30 days in 1 day chunks:

- javascript array "statistics" of totals (1 * day) of range ((now - (30 * day)) & (now)) of statistic ranges of bes properties whose (id of it as string = 100)

That is the basic relevance clause. To use it in a presentation, you can use the server-side or client-side techniques. To have BES do a server-side substitution, use a script like this:

- <script> <?relevance javascript array "statistics" of totals (1 * day) of range ((now - (30 * day)) & (now)) of statistic ranges of bes properties whose (id of it as string = 100) ?> alert(statistics.length); </script>

Or, if you want to use JavaScript to add interactivity, use the client-side technique:

- <script> eval(EvaluateRelevance('javascript array "statistics" of totals (1 * day) of range ((now - (30 * day)) & (now)) of statistic ranges of bes properties whose (id of it as string = 100)')); alert(statistics.length); </script>

Provided that statistics have been collected on the given property for the last 30 days, either technique will produce a JavaScript array with 30 entries. Each entry holds multiple statistics (mean, variance, standard deviation, etc.) for each day. When this command is executed, a new section of code will be embedded in the script, containing assignment statements to set the values of the array.

Here is the code that is created and embedded for the first day in the range:

- var statistics = new Array();
- statistics[0] = new Object();
- statistics[0].StartTime = new Date(1151020800000);
- statistics[0].EndTime = new Date(1151107200000);
- statistics[0].MeanComputerCount = 7.67006944444444448;
- statistics[0].MeanSuccessfulComputerCount = 7.67006944444444448;
- statistics[0].MeanFailingComputerCount = 0.00000000000000000;
- statistics[0].SuccessRate = 1.00000000000000000;
- statistics[0].FailureRate = 0.00000000000000000;
- statistics[0].MeanValueCount = 1.00000000000000000;
- statistics[0].MeanZeroCount = .5507836195891317;
- statistics[0].MeanNonzeroCount = .44921638041086840;
- statistics[0].Mean = .44921638041086840;
- statistics[0].Variance = .24742102398142636;
- statistics[0].StandardDeviation = .49741433833518144;
- statistics[0].Skewness = .20419041300297692;
- statistics[0].Kurtosis = -1.9583062752376728;
- statistics[0].LogMean = 0.00000000000000000;

- `statistics[0].LogVariance = 0.0000000000000000;`
- `statistics[0].LogStandardDeviation = 0.0000000000000000;`
- `statistics[0].LogSkewness = Number.NaN;`
- `statistics[0].LogKurtosis = Number.NaN;`
- `statistics[0].GeometricMean = 1.0000000000000000;`
- `statistics[0].MinimumValue = 0.0000000000000000;`
- `statistics[0].MaximumValue = 1.0000000000000000;`
- `statistics[0].MinimumSingleComputerTotal = 0.0000000000000000;`
- `statistics[0].MaximumSingleComputerTotal = 1.0000000000000000;`
- `statistics[0].MeanTotal = 3.4455208333333332;`
- `statistics[0].TotalLowerBound = 3.0000000000000000;`
- `statistics[0].TotalUpperBound = 4.0000000000000000;`
- `statistics[1].....`

A value is available for each statistic recorded for each day. Note that a time range object is created by concatenating a start and an end time:

- `(now - (30 * day)) & (now)`

You can also access statistics in individual bins. For example this will give you the mean of the values reported for the bin at the specified time:

- `mean total of bin at ("Thu, 29 Jun 2006 18:30:00 -0700" as time)
of statistic ranges of bes properties whose (id of it as string =
"1624")`

There is also information available about the bins themselves, such as start and end date:

- `(start of it as string & " - " & end of it as string & " - " &
length of it as string) of bins of statistic ranges of bes
properties whose (id of it as string = "1624")`

World Objects

World

Examples

- `names of bes actions`
 - ▶ Returns a list of all the actions.

- `"The brand is: " & bes brand`
 - ▶ Returns a string containing the current third-party branding of the BES Console (or, if none, returns 'bigfix').

- `names of hidden bes actions`
 - ▶ Returns a list of all the hidden actions.

- `detailed status of result ((bes action whose (id of it is 1234)) , (bes computer whose (id of it is 1234567)))`
 - ▶ Returns the detailed status of the specified action on the given computer.

- `detailed status of result ((bes computer whose (id of it is 1234567)) , (bes action whose (id of it is 1234)))`
 - ▶ Returns the detailed status of the specified action on the given computer.

- `names of top level bes actions`
 - ▶ Returns a list of all the top-level actions.

Session Objects

These Inspectors retrieve information about properties of the BES Client computers. They allow you to access information in the BES databases and display it in the Console and the Web Reports program. As well as current statistics, the BES database also maintains historical statistics that can be used to create long-term reports.

BES Action

These Inspectors are used to access information about the actions which have been issued by the BES Operators. You can iterate over the actions to create lists. Each action may have several properties that can be examined.

Creation Methods

| Key Phrase | Form | Description |
|-------------------------------|--------------------|--|
| action of <bes action result> | <i>Plain</i> | Returns the action corresponding to the action result. <small>Win:6.0</small> |
| bes action | <i>PlainGlobal</i> | Returns all actions, except those that are normally hidden in the console, such as subscription actions, management rights actions, etc. <small>Win:6.0</small> |
| element of <bes action set> | <i>Plain</i> | Returns the unique elements of the specified <bes action set>, removing duplicates and sorting by value. <small>Win:7.0</small> |
| hidden bes action | <i>PlainGlobal</i> | Returns all actions that are normally hidden by the console, such as subscription actions, management rights actions, etc. <small>Win:6.0</small> |
| issued action of <bes user> | <i>Plain</i> | Returns all actions, including hidden actions, issued by the specified user. <small>Win:7.0</small> |
| member action of <bes action> | <i>Plain</i> | Returns the individual member actions for the specified multiple action group parent, <bes action>. <small>Win:7.0</small> |
| middle action of <bes action> | <i>Plain</i> | For a start action this iterates over the list of <action> objects that make up the group. <small>Win:6.0</small> |

| Key Phrase | Form | Description |
|------------------------------|--------------------|--|
| parent group of <bes action> | <i>Plain</i> | Returns the parent group action for the specified group action member. Win:7.0 |
| top level bes action | <i>PlainGlobal</i> | Returns all top-level actions. Does not include actions that are normally hidden or sub-actions of a multiple action group. Win:6.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|--|--------------|---------------|---|
| <bes action> as xml | <i>Cast</i> | <utf8 string> | Converts the specified BES Action to XML format, for submission to the EvaluateRelevance API used by the BES Console and Web Reports. Win:7.0 |
| action script of <bes action> | <i>Plain</i> | <string> | Returns the script behind the specified action as a string. Win:6.0 |
| action script type of <bes action> | <i>Plain</i> | <string> | Returns the MIME type of the specified action as a string. Win:6.0 |
| applicability relevance of <bes action> | <i>Plain</i> | <string> | Returns the relevance statement as a string. This string is included in the targeting relevance expression but is maintained separately because it comes from the relevance of the original analysis fixlet. Win:6.0 |
| comment of <bes action> | <i>Plain</i> | <bes comment> | Returns the comments assigned to the specified BES Action. Win:7.0 |
| computer group flag of <bes action> | <i>Plain</i> | <boolean> | Returns TRUE if the specified action is a computer group action. Win:6.0 |
| constrain by property name of <bes action> | <i>Plain</i> | <string> | Returns the 'constrain by property name' setting, one of the property constraints of the action. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|--|--------------|---------------|--|
| constrain by property relation of <bes action> | <i>Plain</i> | <string> | Returns the 'constrain by property relation' setting, one of the property constraints of the action. Win:6.0 |
| constrain by property value of <bes action> | <i>Plain</i> | <string> | Returns the 'constrain by property value' setting, one of the property constraints of the action. Win:6.0 |
| custom success relevance of <bes action> | <i>Plain</i> | <string> | Returns the custom relevance expression for this action, if it exists. Win:6.0 |
| database id of <bes action> | <i>Plain</i> | <integer> | In the Web Reports environment, this Inspector returns the numeric ID of the database in which this BES Action resides. Win:6.0 |
| database name of <bes action> | <i>Plain</i> | <string> | In a Web Reports context, this Inspector returns the name (as a string) of the database containing the specified BES Action. Win:6.0 |
| end date of <bes action> | <i>Plain</i> | <date> | Returns the ending <date> for the specified action. Along with the start date, this defines the allowed time range for execution of the action. Win:6.0 |
| end flag of <bes action> | <i>Plain</i> | <boolean> | Returns TRUE if the specified action is an end action. Win:6.0 |
| end time_of_day of <bes action> | <i>Plain</i> | <time of day> | Returns the ending <time of day> for the specified action. Along with the start time of day, this defines the allowed time range for execution of the action. Win:6.0 |
| group member flag of <bes action> | <i>Plain</i> | <boolean> | Returns TRUE if the specified action is a group member action. Win:6.0 |
| hidden flag of <bes action> | <i>Plain</i> | <boolean> | Returns TRUE if the specified action is a hiding action. Win:6.0 |
| id of <bes action> | <i>Plain</i> | <integer> | Returns the numeric ID number of the specified BES Action. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|--|--------------------------|------------------|--|
| issuer of <bes action> | <i>Plain</i> | <bes user> | Returns the BES user object corresponding to the issuer of the specified action. Win:6.0 |
| link <html> of <bes action> | <i>Index<html></i> | <html> | Returns an HTML string containing an <A> tag including the supplied HTML description that, when clicked, will open the given action's document (in the BES Console) or description page (in Web Reports). Win:6.0 |
| link <string> of <bes action> | <i>Named</i> | <html> | Returns an HTML string containing an <A> tag including the supplied descriptive string that, when clicked, will open the given action's document (in the BES Console) or description page (in Web Reports). Win:6.0 |
| link href of <bes action> | <i>Plain</i> | <string> | Returns a <string> that can be embedded into an <A> tag that, when clicked, will open the given action's document (in the BES Console) or description page (in Web Reports). Note that link href returns a normal string, not an HTML string. Win:6.0 |
| link of <bes action> | <i>Plain</i> | <html> | Returns an HTML string containing an <A> tag that, when clicked, will open the given action's document (in the BES Console) or description page (in Web Reports). Win:6.0 |
| management rights flag of <bes action> | <i>Plain</i> | <boolean> | Returns TRUE if the specified action is a management rights action. Win:6.0 |
| member action of <bes action> | <i>Plain</i> | <bes action> | Returns the individual member actions for the specified multiple action group parent, <bes action>. Win:7.0 |
| member action set of <bes action> | <i>Plain</i> | <bes action set> | Returns the individual member actions for the specified multiple action group parent, <bes action>. Win:7.0 |
| message action button flag of <bes action> | <i>Plain</i> | <boolean> | Returns the value of the message action button flag, one of the settings that control the pre-action user interface. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|---|--------------|-----------------|---|
| message allow cancel flag of <bes action> | <i>Plain</i> | <boolean> | Returns the value of the message allow cancel flag, one of the settings that control the pre-action user interface. Win:6.0 |
| message postpone delay of <bes action> | <i>Plain</i> | <time interval> | Returns the value of the message postpone delay flag, one of the settings that control the pre-action user interface. Win:6.0 |
| message text of <bes action> | <i>Plain</i> | <string> | Returns the value of the message text flag, one of the settings that control the pre-action user interface. Win:6.0 |
| message timeout delay of <bes action> | <i>Plain</i> | <time interval> | Returns the timeout delay assigned to the action message: 'Automatically close message box and run action after...'. The time can vary from 1 minute to 30 days. Win:6.0 |
| message title of <bes action> | <i>Plain</i> | <string> | Returns the value of the message title flag, one of the settings that control the pre-action user interface. Win:6.0 |
| middle action of <bes action> | <i>Plain</i> | <bes action> | For a start action this iterates over the list of <action> objects that make up the group. Win:6.0 |
| multiple flag of <bes action> | <i>Plain</i> | <boolean> | Returns TRUE if the specified action is a multiple action (see single flag of <bes action>). Win:6.0 |
| name of <bes action> | <i>Plain</i> | <string> | Returns the name of the specified BES action. Win:6.0 |
| offer category of <bes action> | <i>Plain</i> | <string> | Returns the user-defined offer category of the specified bes action. Win:7.2 |
| offer description html of <bes action> | <i>Plain</i> | <html> | Returns the offer description of the specified bes action as an html string. This description is what appears to the client when the action executes. Win:7.2 |

| Key Phrase | Form | Return Type | Description |
|--|--------------|------------------------|---|
| offer flag of <bes action> | <i>Plain</i> | <boolean> | Returns the offer flag of the specified bes action as a boolean TRUE/FALSE. TRUE indicates that the action has an attached offer to present to the client. Win:7.2 |
| operator site flag of <bes action> | <i>Plain</i> | <boolean> | Returns TRUE if the action is propagated from a non-master operator's site. Win:6.0 |
| parameter <string> of <bes action> | <i>Named</i> | <string> | Some Fixlets allow the Console Operator to customize the Action. When they are triggered, the BES Console displays a dialog prompting the user for certain Action parameters. For a given Action, this Inspector returns value of the parameter specified by <string>. Win:7.0 |
| parameter of <bes action> | <i>Plain</i> | <bes action parameter> | Returns the parameter(s) for the specified BES Action. An action parameter has two inspectable properties: a name and a value. Parameters are embedded in Actions to allow the Console user to supply a custom value. Win:7.0 |
| parent group of <bes action> | <i>Plain</i> | <bes action> | Returns the parent group action for the specified group action member. Win:7.0 |
| postaction allow cancel flag of <bes action> | <i>Plain</i> | <boolean> | Returns the value of the allow cancel flag, one of the settings that control the post-action user interface. Win:6.0 |
| postaction force delay of <bes action> | <i>Plain</i> | <time interval> | Returns the value of the force delay flag, one of the settings that control the post-action user interface. Win:6.0 |
| postaction message text of <bes action> | <i>Plain</i> | <string> | Returns the value of the message text flag, one of the settings that control the post-action user interface. Win:6.0 |
| postaction message title of <bes action> | <i>Plain</i> | <string> | Returns the value of the message title flag, one of the settings that control the post-action user interface. Win:6.0 |
| postaction postpone delay of <bes action> | <i>Plain</i> | <time interval> | Returns the value of the postpone delay flag, one of the settings that control the post-action user interface. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|--|----------------------------------|---------------------|---|
| reapplication interval of <bes action> | <i>Plain</i> | <time interval> | Returns the time period specified between applications of the given BES Action. Win:7.0 |
| reapplication limit of <bes action> | <i>Plain</i> | <integer> | Returns the maximum number of times the action will be reapplied. If the action is not set to be reapplied, then this will return a "non-existent" error. Win:6.0 |
| reapply flag of <bes action> | <i>Plain</i> | <boolean> | Returns TRUE if the reapply flag was set for the specified BES Action. Win:7.0 |
| reported computer set of <bes action> | <i>Plain</i> | <bes computer set> | Returns a list of all the computers that have reported for the specified BES Action. The list is formatted as a mathematical set. Win:7.0 |
| require user absence of <bes action> | <i>Plain</i> | <boolean> | Returns TRUE if the action requires that the user be absent to execute the specified action. Win:6.0 |
| require user presence of <bes action> | <i>Plain</i> | <boolean> | Returns TRUE if the action requires that the user be present to execute the specified action. Win:6.0 |
| restart flag of <bes action> | <i>Plain</i> | <boolean> | Returns the value of the reset flag, one of the settings that control the post-action user interface. Win:6.0 |
| result from <bes computer> of <bes action> | <i>Index<bes computer></i> | <bes action result> | Returns a bes action result object for the given computer and action. This command is a variant of other result Inspectors, such as result <(bes action, bes computer)>. Win:6.0 |
| result of <bes action> | <i>Plain</i> | <bes action result> | Returns a bes action result object for each computer which has reported on the specified action. Win:6.0 |
| retry delay of <bes action> | <i>Plain</i> | <time interval> | Returns the <time interval> object that represents the amount of time to wait before retrying after a failure. If the action is not set to delay for a time interval before retrying then this will return a "non-existent" error. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|--|--------------|------------------|--|
| retry limit of <bes action> | <i>Plain</i> | <integer> | Returns the maximum number of times the action will be retried after failure. If the action is not set to be retried, then this will return a "non-existent" error. Win:6.0 |
| retry wait for reboot flag of <bes action> | <i>Plain</i> | <boolean> | Returns the waiting period after completion of the specified action before the computer will be restarted (from 15 minutes to 30 days). Win:7.0 |
| running message text of <bes action> | <i>Plain</i> | <string> | Returns the value of the running message text, one of the user interfaces that is displayed while the action is running. Win:6.0 |
| running message title of <bes action> | <i>Plain</i> | <string> | Returns the value of the running message title, one of the user interfaces that is displayed while the action is running. Win:6.0 |
| selected groups string of <bes action> | <i>Plain</i> | <string> | If the specified action is targeted by property, then this returns a string that contains a tree representation of the items that were selected. Win:6.0 |
| set of <bes action> | <i>Plain</i> | <bes action set> | Converts the specified BES Action list to a set that can be arithmetically manipulated. Win:7.0 |
| settings flag of <bes action> | <i>Plain</i> | <boolean> | Returns TRUE if the specified action is a settings action. Win:6.0 |
| show message flag of <bes action> | <i>Plain</i> | <boolean> | Returns the value of the message flag, one of the settings that control the pre-action user interface. Win:6.0 |
| show running message flag of <bes action> | <i>Plain</i> | <boolean> | Returns the value of the running message flag, one of the user interfaces that is displayed while the action is running. Win:6.0 |
| shutdown flag of <bes action> | <i>Plain</i> | <boolean> | Returns the value of the shutdown flag, one of the settings that control the post-action user interface. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|---|--------------|---------------|---|
| single flag of <bes action> | <i>Plain</i> | <boolean> | Returns TRUE if the specified action is a single action (see multiple flag of <bes action>). Win:6.0 |
| source fixlet of <bes action> | <i>Plain</i> | <bes fixlet> | Returns the <bes fixlet> object that was the source of the specified action. Win:6.0 |
| source relevance of <bes action> | <i>Plain</i> | <string> | Returns the original relevance expression for this action. Win:6.0 |
| start date of <bes action> | <i>Plain</i> | <date> | Returns the starting <date> for the specified action. Along with the end date, this defines the allowed time range for execution of the action. Win:6.0 |
| start flag of <bes action> | <i>Plain</i> | <boolean> | Returns TRUE if the specified action is a start action. Win:6.0 |
| start time_of_day of <bes action> | <i>Plain</i> | <time of day> | Returns the starting <time of day> for the specified action. Along with the end time of day, this defines the allowed time range for execution of the action. Win:6.0 |
| state of <bes action> | <i>Plain</i> | <string> | Returns the current state of the specified action as a string. It should be one of the following: <ul style="list-style-type: none"> • Open • Stopped • Expired. Win:6.0 |
| stopper of <bes action> | <i>Plain</i> | <bes user> | If the specified action has been stopped, this Inspector returns the user who stopped it. Win:7.0 |
| subscription flag of <bes action> | <i>Plain</i> | <boolean> | Returns TRUE if the specified action is a subscription action. Win:6.0 |
| success on custom relevance of <bes action> | <i>Plain</i> | <boolean> | Returns TRUE if the success of the action is determined by the custom relevance becoming false (no longer relevant). Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|---|--------------|--------------------|--|
| success on original relevance of <bes action> | <i>Plain</i> | <boolean> | Returns TRUE if the success of the action is determined by the original relevance becoming false (no longer relevant). Win:6.0 |
| success on run to completion of <bes action> | <i>Plain</i> | <boolean> | Returns TRUE if the success of the action is determined by the completion of all lines of the action script. Win:6.0 |
| targeted by id flag of <bes action> | <i>Plain</i> | <boolean> | Returns a boolean TRUE if the specified action is targeted by an ID Flag. Win:6.0 |
| targeted by list flag of <bes action> | <i>Plain</i> | <boolean> | Returns a boolean TRUE if the specified action is targeted by a List Flag. Win:6.0 |
| targeted by property flag of <bes action> | <i>Plain</i> | <boolean> | Returns a boolean TRUE if the specified action is targeted by a Property Flag. Win:6.0 |
| targeted computer of <bes action> | <i>Plain</i> | <bes computer> | If the specified action is targeted by ID, then this Inspector returns an iterated list of the targeted BES computer objects. Win:6.0 |
| targeted computer set of <bes action> | <i>Plain</i> | <bes computer set> | Returns the list (formatted as a set) of targeted computers associated with the specified BES Action. Win:7.0 |
| targeted list of <bes action> | <i>Plain</i> | <string> | If the specified action is targeted by list, then this returns the relevant BES computer names, concatenated into a single string. Win:6.0 |
| targeted name of <bes action> | <i>Plain</i> | <string> | If the specified action is targeted by list, then this returns the relevant BES computer names as an iterated list with one string for each name. Win:6.0 |
| targeting method of <bes action> | <i>Plain</i> | <string> | Returns one of the strings "By Property", "By Computer ID", "By List", or "Untargeted". Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|---------------------------------------|--------------|--------------------------------|---|
| targeting relevance of <bes action> | <i>Plain</i> | <string> | Returns the relevance string that is being used to target the action. Win:6.0 |
| temporal distribution of <bes action> | <i>Plain</i> | <time interval> | Returns the <time interval> over which the execution (and file downloads) of this action will be distributed. Win:6.0 |
| time issued of <bes action> | <i>Plain</i> | <time> | Returns the time when the action was issued. Win:6.0 |
| time range end of <bes action> | <i>Plain</i> | <time of day> | Returns the ending <time of day> for the specified action. Along with the starting time of day, this defines the allowed time range for execution of the action. Win:6.0 |
| time range start of <bes action> | <i>Plain</i> | <time of day> | Returns the starting <time of day> for the specified action. Along with the ending time of day, this defines the allowed time range for execution of the action. Win:6.0 |
| time stopped of <bes action> | <i>Plain</i> | <time> | If the specified action has been stopped, this Inspector returns the time it was stopped. Win:7.0 |
| unique value of <bes action> | <i>Plain</i> | <bes action with multiplicity> | Returns the unique values of a given list of <bes action> types, removing duplicates and sorting by value. Win:7.1 |
| untargeted flag of <bes action> | <i>Plain</i> | <boolean> | Returns a boolean TRUE if the specified action is untargeted. Win:6.0 |
| urgent flag of <bes action> | <i>Plain</i> | <boolean> | Returns TRUE if the specified action is marked urgent, which means that it will be executed by the client before all non-urgent actions. Win:6.0 |

Operators

| Key phrase | Return Type | Description |
|-----------------------------|-------------|---|
| <bes action> = <bes action> | <boolean> | Compares two BES Actions and returns TRUE if they are equal. Win:7.1 |

Examples

- names of hidden bes actions
 - ▶ Returns the list of currently hidden BES Actions.

- links (h1 of name of it) of bes actions
 - ▶ Creates clickable links listing all the current BES Actions, displaying the Action names in headline format.

- links (name of it & "(" & id of it as string & ")") of bes actions
 - ▶ Creates clickable links listing all the current BES Actions, formatted as name and ID.

- (br & html "Click here to open action " & id of it as string) of bes actions
 - ▶ Creates clickable links listing all the current BES Actions, formatted with a descriptive prompt and an embedded link, such as:
 - Click here to open action 123456.

- links of bes actions
 - ▶ Returns a set of <A> tags enclosing all the BES Actions in html format, creating a series of clickable Action links.

- detailed status of result from (bes computer whose (id of it is 1234567)) of (bes action whose (id of it is 1234))
 - ▶ Returns the detailed status of the specified action on the given computer.

- detailed statuses of results of (bes action whose (id of it is 1234))
 - ▶ Returns a detailed status list containing the results of bes actions with the specified id.

- size of (set of bes actions)
 - ▶ Returns the current number of BES Actions.

BES Action Set

These Inspectors return the iterated list of BES Actions, converted into a set to make it easy to do set arithmetic with the list.

Creation Methods

| Key Phrase | Form | Description |
|---------------------------------------|--------------------|---|
| action set of <bes filter> | <i>Plain</i> | Returns a filtered set of Actions. Given an Action filter that specifies "Name contains 'Custom Action'", this Inspector returns the set of BES Actions with 'Custom Action' in the name. Win:7.0 |
| bes action set | <i>PlainGlobal</i> | An iteration over the BES Actions represented as a mathematical set. Win:7.0 |
| hidden bes action set | <i>PlainGlobal</i> | Retrieves the set (iterated list) of hidden BES Actions. Win:7.0 |
| intersection of <bes action set> | <i>Plain</i> | Returns the intersection of multiple BES Action sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |
| issued action set of <bes user> | <i>Plain</i> | Returns all actions, including hidden actions, issued by the specified user. This list is formatted as a mathematical set. Win:7.0 |
| member action set of <bes action> | <i>Plain</i> | Returns the individual member actions for the specified multiple action group parent, <bes action>. Win:7.0 |
| reported action set of <bes computer> | <i>Plain</i> | Returns a list of all the reported Actions for the specified computer. These may be Actions that are running, fixed, failed, etc. The list is formatted as a mathematical set. Win:7.0 |
| set of <bes action> | <i>Plain</i> | Creates a set from an iterated list of BES Actions. This can be subjected to arithmetic set operations such as union and intersection. Win:7.0 |

| Key Phrase | Form | Description |
|---------------------------|--------------------|--|
| top level bes action set | <i>PlainGlobal</i> | Returns all top level actions as a mathematical set. Does not include actions that are normally hidden, and sub-actions of a multiple action group. Win:7.0 |
| union of <bes action set> | <i>Plain</i> | Returns the union of multiple BES User sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|----------------------------------|--------------|------------------|---|
| <bes action set> as xml | <i>Cast</i> | <utf8 string> | Casts a BES Action set as an XML document, for submission to the ImportXML API in the Console. It can only be used in the Console using the EvaluateRelevance API, not the <?relevance ?> interface. Win:7.0 |
| element of <bes action set> | <i>Plain</i> | <bes action> | Returns the unique elements of the specified <bes action set>, removing duplicates and sorting by value. Win:7.0 |
| intersection of <bes action set> | <i>Plain</i> | <bes action set> | Returns the intersection of multiple BES Action sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |
| size of <bes action set> | <i>Plain</i> | <integer> | Returns the number of unique elements in the specified BES Action set. Win:7.0 |
| union of <bes action set> | <i>Plain</i> | <bes action set> | Returns the union of multiple BES User sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |

Operators

| Key phrase | Return Type | Description |
|--|------------------|--|
| <bes action set> {op} <bes action set> | <bes action set> | Where {op} is one of: -, *, +. Win:7.0 |
| <bes action set> = <bes action set> | <boolean> | Returns TRUE if the two bes action sets are equivalent. Win:7.0 |

Examples

- names of elements of (set of bes actions)
 - ▶ Returns a list of names of each of the current BES Actions.
- names of elements of bes action set
 - ▶ Returns the names of all the BES Actions.

BES Action with Multiplicity

These Inspectors deal with arrays of bes actions, allowing you to pluck out unique actions and count them. These objects are derived from bes action types.

Creation Methods

| Key Phrase | Form | Description |
|------------------------------|-------|---|
| unique value of <bes action> | Plain | Returns the unique values of a given list of <bes action> types, removing duplicates and sorting by value. Win:7.1 |

Properties

| Key Phrase | Form | Return Type | Description |
|--|-------|-------------|--|
| multiplicity of <bes action with multiplicity> | Plain | <integer> | Sorts the list and returns the multiplicity, or count, of each unique element in the specified list of multiple <bes action> types. Win:7.1 |

BES Action Status

These Inspectors return information about the status of BES actions, such as whether it is running, evaluating, expired, etc.

Creation Methods

| Key Phrase | Form | Description |
|-------------------------------------|--------------------|--|
| bes action status constrained | <i>PlainGlobal</i> | Returns the BES action status corresponding to constraints. This result can be cast to a <string> format to give the text as shown in the console. Win:6.0 |
| bes action status download failed | <i>PlainGlobal</i> | Returns the BES action status corresponding to failed downloads. This result can be cast to a <string> format to give the text as shown in the console. Win:6.0 |
| bes action status error | <i>PlainGlobal</i> | Returns the BES action status corresponding to errors. This result can be cast to a <string> format to give the text as shown in the console. Win:6.0 |
| bes action status evaluating | <i>PlainGlobal</i> | Returns the BES action status corresponding to evaluation. This result can be cast to a <string> format to give the text as shown in the console. Win:6.0 |
| bes action status expired | <i>PlainGlobal</i> | Returns the BES action status corresponding to expiration. This result can be cast to a <string> format to give the text as shown in the console. Win:6.0 |
| bes action status failed | <i>PlainGlobal</i> | Returns the BES action status corresponding to failure. This result can be cast to a <string> format to give the text as shown in the console. Win:6.0 |
| bes action status fixed | <i>PlainGlobal</i> | Returns the BES action status corresponding to successful fixes. This result can be cast to a <string> format to give the text as shown in the console. Win:6.0 |
| bes action status invalid signature | <i>PlainGlobal</i> | Returns the BES action status corresponding to invalid signatures. This result can be cast to a <string> format to give the text as shown in the console. Win:6.0 |

| Key Phrase | Form | Description |
|-------------------------------------|--------------------|---|
| bes action status irrelevant | <i>PlainGlobal</i> | Returns the BES action status corresponding to irrelevance. This result can be cast to a <string> format to give the text as shown in the console. Win:6.0 |
| bes action status locked | <i>PlainGlobal</i> | Returns the BES action status corresponding to locking. This result can be cast to a <string> format to give the text as shown in the console. Win:6.0 |
| bes action status offers disabled | <i>PlainGlobal</i> | Returns the BES action status corresponding to disabled offers. This result can be cast to a <string> format to give the text as shown in the console. Win:7.0 |
| bes action status pending downloads | <i>PlainGlobal</i> | Returns the BES action status corresponding to pending downloads. This result can be cast to a <string> format to give the text as shown in the console. Win:6.0 |
| bes action status pending login | <i>PlainGlobal</i> | Returns the BES action status corresponding to pending logins. This result can be cast to a <string> format to give the text as shown in the console. Win:6.0 |
| bes action status pending message | <i>PlainGlobal</i> | Returns the BES action status corresponding to pending messages. This result can be cast to a <string> format to give the text as shown in the console. Win:6.0 |
| bes action status pending offer | <i>PlainGlobal</i> | Returns the BES action status corresponding to pending offers. This result can be cast to a <string> format to give the text as shown in the console. Win:7.0 |
| bes action status pending restart | <i>PlainGlobal</i> | Returns the BES action status corresponding to pending restarts. This result can be cast to a <string> format to give the text as shown in the console. Win:6.0 |
| bes action status postponed | <i>PlainGlobal</i> | Returns the BES action status corresponding to postponements. This result can be cast to a <string> format to give the text as shown in the console. Win:6.0 |

| Key Phrase | Form | Description |
|----------------------------------|--------------------|--|
| bes action status running | <i>PlainGlobal</i> | Returns the BES action status corresponding to whether or not it is running. This result can be cast to a <string> format to give the text as shown in the console. Win:6.0 |
| bes action status unreported | <i>PlainGlobal</i> | Returns a constant representing an action status of 'not reported'. Win:6.0 |
| bes action status user cancelled | <i>PlainGlobal</i> | Returns the BES action status corresponding to user cancelation. This result can be cast to a <string> format to give the text as shown in the console. Win:6.0 |
| bes action status waiting | <i>PlainGlobal</i> | Returns the BES action status corresponding to waiting. This result can be cast to a <string> format to give the text as shown in the console. Win:6.0 |
| status of <bes action result> | <i>Plain</i> | Returns the <bes action state> object corresponding to the specified action result on the client computer. Win:6.0 |

Note

The status returned from a BES Action can be cast into a string format to give the text shown in the console. This can be compared for equality using the following constants:

| |
|-------------------------------------|
| bes action status fixed |
| bes action status running |
| bes action status evaluating |
| bes action status failed |
| bes action status user cancelled |
| bes action status download failed |
| bes action status locked |
| bes action status waiting |
| bes action status pending downloads |

| |
|-------------------------------------|
| bes action status pending restart |
| bes action status pending message |
| bes action status pending login |
| bes action status constrained |
| bes action status expired |
| bes action status postponed |
| bes action status invalid signature |
| bes action status error |
| bes action status not relevant |
| bes action status not reported |

Properties

| Key Phrase | Form | Return Type | Description |
|-------------------------------|-------------|-------------|--|
| <bes action status> as string | <i>Cast</i> | <string> | Casts an action status as a string. Win:6.0 |

Operators

| Key phrase | Return Type | Description |
|---|-------------|---|
| <bes action status> = <bes action status> | <boolean> | Compares two action status objects, and returns a boolean TRUE or FALSE. Win:6.0 |

BES Action Result

These Inspectors examine the results of BES Actions, which can be used to make reports.

Creation Methods

| Key Phrase | Form | Description |
|--|--|--|
| action result of <bes computer> | <i>Plain</i> | Returns the results of BES actions that have occurred on the specified computer. Win:6.0 |
| result <(bes action, bes computer)> | <i>Index<(bes action, bes computer)>Global</i> | Returns a bes action result object for the given computer and action. This command is a variant of other result Inspectors, such as result from <bes action> of <bes computer>. Win:6.0 |
| result <(bes computer, bes action)> | <i>Index<(bes computer, bes action)>Global</i> | Returns a bes action result object for the given computer and action. This command is a variant of other result Inspectors, such as result from <bes action> of <bes computer>. Win:6.0 |
| result from <bes action> of <bes computer> | <i>Index<bes action></i> | Returns a bes action result object for the given computer and action. This command is a variant of other result Inspectors, such as result <(bes action, bes computer)>. Win:6.0 |
| result from <bes computer> of <bes action> | <i>Index<bes computer></i> | Returns a bes action result object for the given computer and action. This command is a variant of other result Inspectors, such as result <(bes action, bes computer)>. Win:6.0 |
| result of <bes action> | <i>Plain</i> | Returns a bes action result object for each computer which has reported on the specified action. Win:6.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|-------------------------------|--------------|--------------|---|
| action of <bes action result> | <i>Plain</i> | <bes action> | Returns the action corresponding to the specified action result. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|--|--------------|---------------------|---|
| apply count of <bes action result> | <i>Plain</i> | <integer> | Returns the number of times (as an integer) that the specified BES action result has been initiated on the client. Win:6.0 |
| computer of <bes action result> | <i>Plain</i> | <bes computer> | Returns the computer(s) that the specified action result applies to. Win:6.0 |
| detailed status of <bes action result> | <i>Plain</i> | <string> | Returns a string describing the detailed status of the specified action result on this computer. Win:6.0 |
| line number of <bes action result> | <i>Plain</i> | <integer> | Returns the current line number of the action script that is being executed on the client computer. Win:6.0 |
| retry count of <bes action result> | <i>Plain</i> | <integer> | Returns the number of times (as an integer) that the specified BES action result has been retried on the client. Win:6.0 |
| status of <bes action result> | <i>Plain</i> | <bes action status> | Returns the <bes action state> object corresponding to the specified action result on the client computer. Win:6.0 |

Examples

- `detailed status of result from (bes computer whose (id of it is 1234567)) of (bes action whose (id of it is 1234))`
 - ▶ Returns the detailed status of the specified action on the given computer.
- `detailed statuses of results of (bes action whose (id of it is 34))`
 - ▶ Returns the detailed result status of the specified BES Action.
- `detailed statuses of results of (bes action whose (id of it is 1234))`
 - ▶ Returns a detailed report on the BES Action result for each computer reporting on the specified Action.

BES Activation

These Inspectors examine the various Analyses that have been activated on the networked BES Clients.

Creation Methods

| Key Phrase | Form | Description |
|---------------------------------|--------------|--|
| activation of <bes fixlet> | <i>Plain</i> | If the specified Fixlet message is from an analysis, this Inspector returns a list of all of its activations. Win:6.0 |
| best activation of <bes fixlet> | <i>Plain</i> | If the specified Fixlet message is from an analysis, then this Inspector returns the activation which is most appropriate for the current console user. Win:6.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|---------------------------------------|--------------|--------------|--|
| active flag of <bes activation> | <i>Plain</i> | <boolean> | Returns TRUE if the specified activation is active, FALSE if it has been stopped. Win:6.0 |
| analysis of <bes activation> | <i>Plain</i> | <bes fixlet> | Returns the source analysis fixlet that spawned the specified activation. Win:6.0 |
| creation time of <bes activation> | <i>Plain</i> | <time> | Returns the time when the given BES Analysis activation was created. Win:7.1 |
| database id of <bes activation> | <i>Plain</i> | <integer> | In the Web Reports environment, this Inspector returns the numeric ID of the database in which this BES Activation resides. Win:6.0 |
| id of <bes activation> | <i>Plain</i> | <integer> | Returns the numeric ID of the BES activation object. Win:6.0 |
| issuer of <bes activation> | <i>Plain</i> | <bes user> | Returns the <bes user> object corresponding to the user who issued the specified activation. Win:6.0 |
| modification time of <bes activation> | <i>Plain</i> | <time> | Returns the time when the given BES Analysis activation was last modified. Win:7.1 |

| Key Phrase | Form | Return Type | Description |
|--------------------------|--------------|-------------|--|
| name of <bes activation> | <i>Plain</i> | <string> | Returns the name of the specified BES activation as a string. Win:6.0 |

BES Computer

These Inspectors return lists of the computers currently visible through the BES Console.

Creation Methods

| Key Phrase | Form | Description |
|-------------------------------------|--------------------|--|
| administered computer of <bes user> | <i>Plain</i> | Returns the computer(s) currently administered by the specified BES User. Win:7.0 |
| applicable computer of <bes fixlet> | <i>Plain</i> | Returns a list of all of the <bes computer> objects reporting that the specified Fixlet message is relevant. Win:6.0 |
| bes computer | <i>PlainGlobal</i> | Returns a list of all the BES computers visible to the current console user. Win:6.0 |
| computer of <bes action result> | <i>Plain</i> | Returns the computer(s) that the specified action result applies to. Win:6.0 |
| computer of <bes fixlet result> | <i>Plain</i> | Returns the BES computer associated with the specified Fixlet result. Win:6.0 |
| computer of <bes property result> | <i>Plain</i> | Returns the computer corresponding to the specified BES property result. Win:6.0 |
| current computer | <i>PlainGlobal</i> | This Inspector returns the computer that is currently selected by a right-click in the BES Console. This Inspector is designed to assist you in the creation of extended Context menu applications. Win:6.0 |
| element of <bes computer set> | <i>Plain</i> | Returns the unique elements of the specified <bes computer set>, removing duplicates and sorting by value. Win:7.0 |

| Key Phrase | Form | Description |
|-----------------------------------|--------------|--|
| member of <bes computer group> | <i>Plain</i> | Returns the set of computers that comprise the specified BES Computer Group. Win:7.0 |
| subscribed computer of <bes site> | <i>Plain</i> | Returns the list of computers that are subscribed to the specified BES site. Win:7.0 |
| targeted computer of <bes action> | <i>Plain</i> | If the specified action is targeted by ID, then this Inspector returns an iterated list of the targeted BES computer objects. Win:6.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|--|------------------------------|----------------------|--|
| action result of <bes computer> | <i>Plain</i> | <bes action result> | Returns the results of BES actions that have occurred on the specified computer. Win:6.0 |
| active directory path of <bes computer> | <i>Plain</i> | <distinguished name> | Returns the result of the 'Active Directory Path' property of the specified computer. Win:7.0 |
| administrator <bes user> of <bes computer> | <i>Index<bes user></i> | <boolean> | Returns TRUE if the specified user is an administrator of the given computers. Win:7.0 |
| administrator of <bes computer> | <i>Plain</i> | <bes user> | Iterates over the users who have administrative rights on this computer. Win:7.0 |
| administrator set of <bes computer> | <i>Plain</i> | <bes user set> | Returns the set of users who have administrative rights on this computer. Win:7.0 |
| client setting of <bes computer> | <i>Plain</i> | <bes client setting> | Returns the client setting(s) for the specified computer. Win:7.0 |
| comment of <bes computer> | <i>Plain</i> | <bes comment> | Returns the comments assigned to the specified BES Computer. Win:7.0 |

| Key Phrase | Form | Return Type | Description |
|------------------------------------|--------------------------|----------------|--|
| cpu of <bes computer> | <i>Plain</i> | <string> | Returns the result of the 'CPU' Property for the specified computer. Win:7.0 |
| database id of <bes computer> | <i>Plain</i> | <integer> | In the Web Reports environment, this Inspector returns the numeric ID of the database in which this BES computer resides. Win:6.0 |
| database name of <bes computer> | <i>Plain</i> | <string> | In a Web Reports context, this Inspector returns the name (as a string) of the database containing the specified BES computer. Win:6.0 |
| hostname of <bes computer> | <i>Plain</i> | <string> | Returns the result of the 'DNS Name' Property for the specified computer. Win:7.0 |
| id of <bes computer> | <i>Plain</i> | <integer> | Returns the numeric ID unique to the specified BES computer. Win:6.0 |
| ip address of <bes computer> | <i>Plain</i> | <ipv4 address> | Returns the result of the 'IP Address' property of the specified computer. Win:7.0 |
| last report time of <bes computer> | <i>Plain</i> | <time> | Returns the time of the last report submitted by the specified BES computer. Win:6.0 |
| link <html> of <bes computer> | <i>Index<html></i> | <html> | Returns an HTML string containing an <A> tag including the supplied HTML description that, when clicked, will open the given computer's document (in the BES Console) or its description page (in Web Reports). Win:6.0 |
| link <string> of <bes computer> | <i>Named</i> | <html> | Returns an HTML string containing an <A> tag including the supplied descriptive string that, when clicked, will open the given computer's document (in the BES Console) or its description page (in Web Reports). Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|--|--------------|-----------------------|---|
| link href of <bes computer> | <i>Plain</i> | <string> | The link href property does not return an <A> tag but rather returns the value of the href attribute of the <A> tag that would be constructed by the other link inspectors. This allows you to create more flexible linking formats. (See link of <bes computer>). Note that link href returns a string, not an HTML string. Win:6.0 |
| link of <bes computer> | <i>Plain</i> | <html> | Returns an HTML string containing an <A> tag that when clicked will open the given computer's document (in the BES Console) or its description page (in Web Reports). Win:6.0 |
| locked flag of <bes computer> | <i>Plain</i> | <boolean> | Returns the result of the 'Locked' property of the specified computer. Win:7.0 |
| name of <bes computer> | <i>Plain</i> | <string> | Returns the value of the specified 'Computer Name' property for the specified BES computer. Win:6.0 |
| operating system of <bes computer> | <i>Plain</i> | <string> | Returns the result of the 'OS' Property for the specified computer. Win:7.0 |
| property result of <bes computer> | <i>Plain</i> | <bes property result> | Returns a list of all of the <bes property result> objects that the specified BES computer has reported. Win:6.0 |
| relay distance of <bes computer> | <i>Plain</i> | <integer> | Returns the result of the 'Distance to BES Relay' property for the specified computer. Win:7.0 |
| relay hostname of <bes computer> | <i>Plain</i> | <string> | Returns the result of the 'Relay Name of Client' property for the specified computer. Win:7.0 |
| relay selection method of <bes computer> | <i>Plain</i> | <string> | Returns the result of the 'BES Relay Selection Method' property for the specified computer. Win:7.0 |
| relay server flag of <bes computer> | <i>Plain</i> | <boolean> | Returns TRUE iff the result of the 'BES Relay Server Installed' property for the specified computer indicates that the BES Relay is installed. Win:7.0 |

| Key Phrase | Form | Return Type | Description |
|--|----------------------------------|-----------------------|---|
| relay server of <bes computer> | <i>Plain</i> | <string> | Returns the result of the 'Relay' property of the specified computer. Win:7.0 |
| relevant <bes fixlet> of <bes computer> | <i>Index<bes fixlet></i> | <boolean> | Returns TRUE if the given Fixlet message is relevant on the specified computer. Win:6.0 |
| relevant fixlet of <bes computer> | <i>Plain</i> | <bes fixlet> | Returns a list of all the <bes fixlet> objects that the specified computer has reported are relevant. Win:6.0 |
| relevant fixlet set of <bes computer> | <i>Plain</i> | <bes fixlet set> | Returns a list of all the <bes fixlet> objects that the specified computer has reported are relevant. The list is formatted as a mathematical set. Win:7.0 |
| reported action set of <bes computer> | <i>Plain</i> | <bes action set> | Returns a list of all the reported Actions for the specified computer. These may be Actions that are running, fixed, failed, etc. The list is formatted as a mathematical set. Win:7.0 |
| reported property set of <bes computer> | <i>Plain</i> | <bes property set> | Returns a list of all the BES properties that have reported on the specified computer(s). The list is formatted as a mathematical set. Win:7.0 |
| result from <bes action> of <bes computer> | <i>Index<bes action></i> | <bes action result> | Returns a bes action result object for the given computer and action. This command is a variant of other result Inspectors, such as result <(bes action, bes computer)>. Win:6.0 |
| result from <bes fixlet> of <bes computer> | <i>Index<bes fixlet></i> | <bes fixlet result> | Returns a Fixlet result for the given computer and Fixlet. Win:7.0 |
| result from <bes property> of <bes computer> | <i>Index<bes property></i> | <bes property result> | Returns the result of the specified BES property and computer. Win:6.0 |
| root server flag of <bes computer> | <i>Plain</i> | <boolean> | Returns TRUE iff the result of the 'BES Relay Server Installed' property for the specified computer indicates that it's a BES root server. Win:7.0 |

| Key Phrase | Form | Return Type | Description |
|--------------------------------|-------|----------------------------------|---|
| root server of <bes computer> | Plain | <string> | Returns the result of the 'BES Root Server' property of the specified computer. Win:7.0 |
| set of <bes computer> | Plain | <bes computer set> | Converts the specified BES computer list to a set that can be arithmetically manipulated. Win:7.0 |
| unique value of <bes computer> | Plain | <bes computer with multiplicity> | Returns the unique values of a given list of <bes computer> types, removing duplicates and sorting by value. Win:7.1 |

Operators

| Key phrase | Return Type | Description |
|---------------------------------|-------------|--|
| <bes computer> = <bes computer> | <boolean> | Compares two BES Computer types and returns TRUE if they are equal. Win:7.1 |

Examples

- `names of administered computers of bes user whose (name of it is "Joe")`
 - ▶ Returns the list of computers currently administered by the BES User named Joe.
- `links (h1 of name of it) of bes computers`
 - ▶ Returns a list of HTML strings, each with an HTML link named after the BES computer and formatted as a header (h1).
- `links (name of it & "(" & id of it as string & ")") of bes computers`
 - ▶ Returns an HTML string that will print the name and ID of the computer inside a clickable <A> tag.
- `(br & html "Click here to open computer " & id of it as string) of bes computers`
 - ▶ Returns an html string such as 'Click here to open computer 89201' message that, when clicked, will open the corresponding BES computer document.
- `detailed status of result from (bes action whose (id of it is 1234)) of (bes computer whose (id of it is 1234567))`
 - ▶ Returns the detailed status of the specified action on the given computer.
- `size of (set of bes computers)`
 - ▶ Returns the current number of BES computers.

BES Computer Set

These Inspectors convert an iterated list of computers into a set, which allows you to perform intersections, unions and other mathematical operations on them.

Creation Methods

| Key Phrase | Form | Description |
|---|--------------------|---|
| administered computer set of <bes user> | <i>Plain</i> | Returns the set of computers that are administerable by the specified BES user. Win:7.0 |
| applicable computer set of <bes baseline component> | <i>Plain</i> | Returns the set of computers where the given baseline component(s) is applicable, i.e., those computers where the baseline component is relevant. Win:7.0 |
| applicable computer set of <bes fixlet> | <i>Plain</i> | Returns the set of computers where the given Fixlet(s) is applicable, i.e., those computers where the Fixlet is relevant. Win:7.0 |
| bes computer set | <i>PlainGlobal</i> | An iteration over the BES computers, represented as a mathematical set. Win:7.0 |
| computer set of <bes filter> | <i>Plain</i> | Returns a filtered set of Computers. Given a Computer filter that specifies "OS contains 'Win'", this Inspector returns the set of Windows Computers. Win:7.0 |
| intersection of <bes computer set> | <i>Plain</i> | Returns the intersection of multiple BES computer sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |
| member set of <bes computer group> | <i>Plain</i> | Returns the computer set that comprise the specified BES Computer Group. Win:7.0 |
| reported computer set of <bes action> | <i>Plain</i> | Returns a list of all the computers that have reported for the specified BES Action. The list is formatted as a mathematical set. Win:7.0 |

| Key Phrase | Form | Description |
|--|-------|--|
| reported computer set of <bes property> | Plain | Returns a list of all the computers that have reported for the specified BES property. The list is formatted as a mathematical set. Win:7.0 |
| set of <bes computer> | Plain | Creates a set from an iterated list of BES computers. This can be subjected to arithmetic set operations such as union and intersection. Win:7.0 |
| subscribed computer set of <bes site> | Plain | Returns the list of computers that are subscribed to the specified BES site. The list is formatted as a mathematical set for easier manipulation. Win:7.0 |
| targeted computer set of <bes action> | Plain | Returns the list (formatted as a set) of targeted computers associated with the specified BES Action. Win:7.0 |
| union of <bes computer set> | Plain | Returns the union of multiple BES computer sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |
| unknown computer set of <bes baseline component> | Plain | Returns the unknown computers associated with the specified baseline component. The list is formatted as a set for mathematical manipulations, included intersections and unions. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|------------------------------------|-------|--------------------|---|
| element of <bes computer set> | Plain | <bes computer> | Returns the unique elements of the specified <bes computer set>, removing duplicates and sorting by value. Win:7.0 |
| intersection of <bes computer set> | Plain | <bes computer set> | Returns the intersection of multiple BES computer sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |

| Key Phrase | Form | Return Type | Description |
|-----------------------------|-------|--------------------|--|
| size of <bes computer set> | Plain | <integer> | Returns the number of unique BES Computers in the specified set. Win:7.0 |
| union of <bes computer set> | Plain | <bes computer set> | Returns the union of multiple BES computer sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |

Operators

| Key phrase | Return Type | Description |
|--|--------------------|--|
| <bes computer set> {op} <bes computer set> | <bes computer set> | Where {op} is one of: -, *, +. Win:7.0 |
| <bes computer set> = <bes computer set> | <boolean> | Compares two sets of BES computers for equivalence. Win:7.0 |

Examples

- size of union of applicable computer sets of bes fixlets whose ((source severity of it is "Critical") and (current date - source release date of it > 7 * day)) as floating point / size of bes computer set as floating point
- ▶ Computes the ratio of computers which have at least one relevant critical fixlet released more than 1 week ago.

BES Computer with Multiplicity

These Inspectors deal with arrays of bes computers, allowing you to pluck out unique computers and count them. These objects are derived from ordinary bes computers.

Creation Methods

| Key Phrase | Form | Description |
|--------------------------------|-------|---|
| unique value of <bes computer> | Plain | Returns the unique values of a given list of <bes computer> types, removing duplicates and sorting by value. Win:7.1 |

Properties

| Key Phrase | Form | Return Type | Description |
|--|--------------|-------------|--|
| multiplicity of <bes computer with multiplicity> | <i>Plain</i> | <integer> | Sorts the list and returns the multiplicity, or count, of each unique element in the specified list of multiple <bes computer> types. Win:7.1 |

BES Computer Group

These Inspectors return an iterated list of computer groups, as defined in the BES Console.

Creation Methods

| Key Phrase | Form | Description |
|-------------------------------------|--------------------|---|
| bes computer group | <i>PlainGlobal</i> | Returns a list of the global computer groups. Win:7.0 |
| element of <bes computer group set> | <i>Plain</i> | Returns the unique elements of the specified <bes computer group set>, removing duplicates and sorting by value. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|---|--------------|---------------|--|
| <bes computer group> as xml | <i>Cast</i> | <utf8 string> | Converts the specified BES computer group to XML format, for submission to the EvaluateRelevance API used by the BES Console and Web Reports. Win:7.0 |
| automatic flag of <bes computer group> | <i>Plain</i> | <boolean> | Returns the value of the 'Automatic' flag corresponding to the specified BES Computer Group. Groups can be manual, automatic or ad-hoc. Win:7.0 |
| client evaluated flag of <bes computer group> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES computer group is determined by client acknowledgement. Win:7.0 |
| database id of <bes computer group> | <i>Plain</i> | <integer> | In the Web Reports environment, this Inspector returns the numeric ID of the database in which this BES computer group resides. Win:7.0 |

| Key Phrase | Form | Return Type | Description |
|--------------------------------------|--------------|--|---|
| id of <bes computer group> | <i>Plain</i> | <integer> | Returns the numeric ID corresponding to the specified BES Computer Group. Win:7.0 |
| manual flag of <bes computer group> | <i>Plain</i> | <boolean> | Returns the value of the 'Manual' flag corresponding to the specified BES Computer Group. Groups can be manual, automatic or ad-hoc. Win:7.0 |
| member of <bes computer group> | <i>Plain</i> | <bes computer> | Returns the set of computers that comprise the specified BES Computer Group. Win:7.0 |
| member set of <bes computer group> | <i>Plain</i> | <bes computer set> | Returns the computer set that comprise the specified BES Computer Group. Win:7.0 |
| name of <bes computer group> | <i>Plain</i> | <string> | Returns the name corresponding to the specified BES Computer Group. Win:7.0 |
| set of <bes computer group> | <i>Plain</i> | <bes computer group set> | Converts the specified BES computer group list to a set that can be arithmetically manipulated. Win:7.0 |
| site of <bes computer group> | <i>Plain</i> | <bes site> | Returns the site corresponding to the specified BES Computer Group. Win:7.0 |
| unique value of <bes computer group> | <i>Plain</i> | <bes computer group with multiplicity> | Returns the unique values of a given list of <bes computer group> types, removing duplicates and sorting by value. Win:7.1 |

Operators

| Key phrase | Return Type | Description |
|---|-------------|--|
| <bes computer group> = <bes computer group> | <boolean> | Compares two BES Computer Group types and returns TRUE if they are equal. Win:7.1 |

Examples

- `names of bes computer groups`
- ▶ Returns a list of the currently defined computer groups, by name.

- `size of (set of bes computer groups)`
- ▶ Returns the current number of computer groups.

BES Computer Group Set

These Inspectors convert an iterated list of computer groups into a set, which allows you to perform intersections, unions and other mathematical operations on them.

Creation Methods

| Key Phrase | Form | Description |
|---|--------------------|---|
| <code>bes computer group set</code> | <i>PlainGlobal</i> | An iteration over the BES computer groups, represented as a mathematical set. Win:7.0 |
| <code>intersection of <bes computer group set></code> | <i>Plain</i> | Returns the intersection of multiple BES computer group sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |
| <code>set of <bes computer group></code> | <i>Plain</i> | Creates a set from an iterated list of BES Computer Groups. This can be subjected to arithmetic set operations such as union and intersection. Win:7.0 |
| <code>union of <bes computer group set></code> | <i>Plain</i> | Returns the union of multiple BES computer group sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|--|-------------|---------------|--|
| <code><bes computer group set> as xml</code> | <i>Cast</i> | <utf8 string> | Converts the specified set of BES computer groups to XML format, for submission to the EvaluateRelevance API used by the BES Console and Web Reports. Win:7.0 |

| Key Phrase | Form | Return Type | Description |
|--|--------------|--------------------------|---|
| element of <bes computer group set> | <i>Plain</i> | <bes computer group> | Returns the unique elements of the specified <bes computer group set>, removing duplicates and sorting by value. Win:7.0 |
| intersection of <bes computer group set> | <i>Plain</i> | <bes computer group set> | Returns the intersection of multiple BES computer group sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |
| size of <bes computer group set> | <i>Plain</i> | <integer> | Returns the number of unique BES Computer Groups in the specified set. Win:7.0 |
| union of <bes computer group set> | <i>Plain</i> | <bes computer group set> | Returns the union of multiple BES computer group sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |

Operators

| Key phrase | Return Type | Description |
|---|--------------------------|---|
| <bes computer group set> {op} <bes computer group set> | <bes computer group set> | Operates on two sets of BES computer groups, where {op} is one of: -, *, +. Minus subtracts the elements of one set from the other, multiply performs an intersection and plus performs a union. Win:7.0 |
| <bes computer group set> = <bes computer group set> | <boolean> | Compares two sets of BES computer groups for equivalence. Win:7.0 |

Examples

- names of elements of intersection of administered computer sets of bes users whose (name of it is "joe" or name of it is "sue")
- ▶ Returns a list of the names of those computers administered by both Sue and Joe.

BES Computer Group with Multiplicity

These Inspectors deal with arrays of bes computer groups, allowing you to pluck out unique computer groups and count them. These objects are derived from ordinary bes computer groups.

Creation Methods

| Key Phrase | Form | Description |
|--------------------------------------|--------------|---|
| unique value of <bes computer group> | <i>Plain</i> | Returns the unique values of a given list of <bes computer group> types, removing duplicates and sorting by value. Win:7.1 |

Properties

| Key Phrase | Form | Return Type | Description |
|--|--------------|-------------|--|
| multiplicity of <bes computer group with multiplicity> | <i>Plain</i> | <integer> | Sorts the list and returns the multiplicity, or count, of each unique element in the specified list of multiple <bes computer group> types. Win:7.1 |

BES Fixlet

These Inspectors allow you to iterate over the BES Fixlet messages to create lists of various Fixlet properties such as name, ID, site, etc.

Creation Methods

| Key Phrase | Form | Description |
|------------------------------|--------------------|---|
| analysis of <bes activation> | <i>Plain</i> | Returns the source analysis fixlet that spawned the specified activation. Win:6.0 |
| bes fixlet | <i>PlainGlobal</i> | Returns a list of all the BES custom site objects. Win:6.0 |
| current analysis | <i>PlainGlobal</i> | When this Inspector is evaluated in the context of an analysis, it returns the associated Fixlet object. <ul style="list-style-type: none"> • Note: This is a Console-only Inspector. Win:6.0 |

| Key Phrase | Form | Description |
|---|--------------------|---|
| current fixlet | <i>PlainGlobal</i> | When this Inspector is evaluated in the context of a Fixlet message, it returns the associated Fixlet object. • Note: This is a Console-only Inspector. Win:6.0 |
| current task | <i>PlainGlobal</i> | When this Inspector is evaluated in the context of a Task, it returns the associated Fixlet object. • Note: This is a Console-only Inspector. Win:6.0 |
| element of <bes fixlet set> | <i>Plain</i> | Returns the unique elements of the specified <bes fixlet set>, removing duplicates and sorting by value. Win:7.0 |
| fixlet <integer> of <bes site> | <i>Numbered</i> | Returns the Fixlet with the specified ID from the given BES site. Win:6.0 |
| fixlet of <bes fixlet result> | <i>Plain</i> | Returns the Fixlet message associated with the specified Fixlet result. Win:6.0 |
| fixlet of <bes site> | <i>Plain</i> | Returns a list all of the Fixlet objects in the given BES site. Win:6.0 |
| relevant fixlet of <bes computer> | <i>Plain</i> | Returns a list of all the <bes fixlet> objects that the specified computer has reported are relevant. Win:6.0 |
| source analysis of <bes property> | <i>Plain</i> | Returns the <bes fixlet> object corresponding to the analysis that defines the specified property. Win:6.0 |
| source fixlet of <bes action> | <i>Plain</i> | Returns the <bes fixlet> object that was the source of the specified action. Win:6.0 |
| source fixlet of <bes baseline component> | <i>Plain</i> | Returns the BES Fixlet(s) associated with the specified BES Baseline component. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|---|-----------------|---------------------|--|
| <bes fixlet> as xml | <i>Cast</i> | <utf8 string> | Converts the specified BES Fixlet to XML format, for submission to the EvaluateRelevance API used by the BES Console and Web Reports. Win:7.0 |
| action <integer> of <bes fixlet> | <i>Numbered</i> | <bes fixlet action> | Returns an object representing the nth action for the specified Fixlet message. Win:6.0 |
| action <string> of <bes fixlet> | <i>Named</i> | <bes fixlet action> | Returns an object representing the named action for the specified Fixlet message. Win:6.0 |
| action of <bes fixlet> | <i>Plain</i> | <bes fixlet action> | Returns a list of all the Fixlet actions associated with the specified Fixlet message. Win:6.0 |
| activation of <bes fixlet> | <i>Plain</i> | <bes activation> | If the specified Fixlet message is from an analysis, this Inspector returns a list of all of its activations. Win:6.0 |
| analysis flag of <bes fixlet> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES Fixlet message originates from an Analysis. Win:6.0 |
| applicable computer count of <bes fixlet> | <i>Plain</i> | <integer> | Returns the number of computers (regardless of locking) that have reported that the specified Fixlet message is relevant. Win:6.0 |
| applicable computer of <bes fixlet> | <i>Plain</i> | <bes computer> | Returns a list of all of the <bes computer> objects reporting that the specified Fixlet message is relevant. Win:6.0 |
| applicable computer set of <bes fixlet> | <i>Plain</i> | <bes computer set> | Returns the set of computers where the given Fixlet(s) is applicable, i.e., those computers where the Fixlet is relevant. Win:7.0 |
| baseline flag of <bes fixlet> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES Fixlet message originates from a Baseline. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|----------------------------------|--------------|--------------------------------|--|
| best activation of <bes fixlet> | <i>Plain</i> | <bes activation> | If the specified Fixlet message is from an analysis, then this Inspector returns the activation which is most appropriate for the current console user. Win:6.0 |
| body of <bes fixlet> | <i>Plain</i> | <html> | Returns an HTML string containing the body of the Fixlet message. Win:6.0 |
| category of <bes fixlet> | <i>Plain</i> | <string> | Returns the category of the given Fixlet message as a string value, such as "Security Hotfix", "Service Pack", "Upgrade", etc. Win:6.0 |
| charset of <bes fixlet> | <i>Plain</i> | <string> | Returns the character set to be used when displaying the body or text of the specified Fixlet message. Win:6.0 |
| comment of <bes fixlet> | <i>Plain</i> | <bes comment> | Returns the comments assigned to the specified BES Fixlet message. Win:7.0 |
| component group of <bes fixlet> | <i>Plain</i> | <bes baseline component group> | If the specified Fixlet message is a baseline, then this Inspector iterates over the component groups. Win:7.0 |
| creation time of <bes fixlet> | <i>Plain</i> | <time> | Returns the time when the specified fixlet was created. This Inspector is only valid for custom fixlets. Win:7.1 |
| custom flag of <bes fixlet> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES Fixlet message is custom. Win:6.0 |
| custom site flag of <bes fixlet> | <i>Plain</i> | <boolean> | Returns true if and only if the specified Fixlet message resides in a custom site. Win:6.0 |
| custom site of <bes fixlet> | <i>Plain</i> | <bes site> | If the specified Fixlet message resides in a custom site, this Inspector returns the corresponding site object. Win:7.0 |

| Key Phrase | Form | Return Type | Description |
|---------------------------------------|--------------------------|---------------------|--|
| cve id list of <bes fixlet> | <i>Plain</i> | <string> | Returns a string containing the list of CVE (Common Vulnerabilities and Exposures) ID numbers associated with the specified Fixlet message. Win:6.0 |
| default action of <bes fixlet> | <i>Plain</i> | <bes fixlet action> | Returns an object representing the default action for the specified Fixlet message. Win:6.0 |
| digest file name of <bes fixlet> | <i>Plain</i> | <string> | Returns the file name of the .fxf file that contains this Fixlet message, or the empty string if the Fixlet message does not come from a digest file (i.e., it is a custom Fixlet). Win:6.0 |
| download size of <bes fixlet> | <i>Plain</i> | <integer> | Returns the size of the download associated with this Fixlet message, in bytes. Win:6.0 |
| fixlet flag of <bes fixlet> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES Fixlet message originates from an ordinary Fixlet site. Win:6.0 |
| globally visible flag of <bes fixlet> | <i>Plain</i> | <boolean> | Returns TRUE if the specified Fixlet message is globally visible. Win:6.0 |
| group flag of <bes fixlet> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES Fixlet message originates from a Group. Win:6.0 |
| id of <bes fixlet> | <i>Plain</i> | <integer> | Returns the numeric ID unique to the specified Fixlet message. Win:6.0 |
| issuer of <bes fixlet> | <i>Plain</i> | <bes user> | Returns the <bes user> object corresponding to the author of the specified fixlet. Win:6.0 |
| link <html> of <bes fixlet> | <i>Index<html></i> | <html> | Returns an HTML string containing an <A> tag including the supplied HTML description that, when clicked, will open the specified Fixlet document (in the BES Console) or its description page (in Web Reports). Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|--------------------------------------|--------------|-------------|--|
| link <string> of <bes fixlet> | <i>Named</i> | <html> | Returns an HTML string containing an <A> tag including the supplied descriptive string that, when clicked, will open the specified Fixlet document (in the BES Console) or its description page (in Web Reports). Win:6.0 |
| link href of <bes fixlet> | <i>Plain</i> | <string> | The link href property does not return an <A> tag but rather returns the value of the href attribute of the <A> tag that would be constructed by the other link inspectors. This allows you to create more flexible linking formats. (See link of <bes fixlet>). Note that link href returns a normal string, not an HTML string. Win:6.0 |
| link of <bes fixlet> | <i>Plain</i> | <html> | Returns an HTML string containing an <A> tag that when clicked will open the specified Fixlet document (in the BES Console) or its description page (in Web Reports). Win:6.0 |
| locally visible flag of <bes fixlet> | <i>Plain</i> | <boolean> | Returns TRUE if the specified Fixlet message is locally visible. • Note: This is a Console-only Inspector. Win:6.0 |
| master site flag of <bes fixlet> | <i>Plain</i> | <boolean> | Returns TRUE if the specified Fixlet message is from the Master site. Win:6.0 |
| message of <bes fixlet> | <i>Plain</i> | <html> | Returns an HTML string containing the text of the Fixlet message. Win:6.0 |
| mime field <string> of <bes fixlet> | <i>Named</i> | <string> | External fixlet authors can add custom fields to their Fixlets. This Inspector returns the mime field labeled by <string> from the specified Fixlet. Win:7.0 |
| name of <bes fixlet> | <i>Plain</i> | <string> | Returns the name of the specified BES Fixlet. Win:6.0 |
| open action count of <bes fixlet> | <i>Plain</i> | <integer> | Returns the number of open actions whose source is the specified Fixlet message. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|--|----------------------------------|---------------------|---|
| operator site flag of <bes fixlet> | <i>Plain</i> | <boolean> | Returns TRUE if and only if the specified Fixlet message resides in a non-master operator site. Win:6.0 |
| property <integer> of <bes fixlet> | <i>Numbered</i> | <bes property> | If the specified Fixlet is from an analysis, this Inspector returns the property with the ID given by <integer>. Win:6.0 |
| property of <bes fixlet> | <i>Plain</i> | <bes property> | If the specified Fixlet is from an analysis, this Inspector returns a list of all of the <bes property> objects associated with it. Win:6.0 |
| relevance of <bes fixlet> | <i>Plain</i> | <string> | Returns the relevance expression used to determine if the specified Fixlet message is applicable on a client computer. Win:6.0 |
| relevant <bes computer> of <bes fixlet> | <i>Index<bes computer></i> | <boolean> | Returns TRUE if the given Fixlet message is relevant on the specified computer. Win:6.0 |
| result from <bes computer> of <bes fixlet> | <i>Index<bes computer></i> | <bes fixlet result> | Returns a Fixlet result for the given computer and Fixlet. Win:7.0 |
| result of <bes fixlet> | <i>Plain</i> | <bes fixlet result> | Returns a list of all <bes fixlet result> objects for all computers that have reported on the specified Fixlet message. Win:6.0 |
| sans id list of <bes fixlet> | <i>Plain</i> | <string> | Returns a string containing the list of SANS (SysAdmin, Audit, Network, Security) ID numbers associated with the specified Fixlet message. Win:6.0 |
| set of <bes fixlet> | <i>Plain</i> | <bes fixlet set> | Converts the specified BES Fixlet list to a set that can be arithmetically manipulated. Win:7.0 |
| site of <bes fixlet> | <i>Plain</i> | <bes site> | Returns the <bes site> object which contains the specified fixlet. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|---|--------------|--------------------------------|--|
| source id of <bes fixlet> | <i>Plain</i> | <string> | Returns the source ID of the given Fixlet message as a string value. Win:6.0 |
| source of <bes fixlet> | <i>Plain</i> | <string> | Returns the source of the given Fixlet message as a string value. Win:6.0 |
| source release date of <bes fixlet> | <i>Plain</i> | <date> | Returns the <date> object that represents the source release date of the specified Fixlet message. Win:6.0 |
| source severity of <bes fixlet> | <i>Plain</i> | <string> | Returns the source severity of the given Fixlet message as a string value. Win:6.0 |
| task flag of <bes fixlet> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES Fixlet message originates from a Task. Win:6.0 |
| type of <bes fixlet> | <i>Plain</i> | <string> | Returns the type of the specified Fixlet message, which can have values such as "Fixlet", "Task", "Analysis", "ComputerGroup" or "Baseline". Win:6.0 |
| unique value of <bes fixlet> | <i>Plain</i> | <bes fixlet with multiplicity> | Returns the unique values of a given list of <bes fixlet> types, removing duplicates and sorting by value. Win:7.1 |
| unlocked computer count of <bes fixlet> | <i>Plain</i> | <integer> | Returns the number of computers that are not locked and that have reported that the specified Fixlet message is relevant. • Note: This is a Console-only Inspector. Win:6.0 |
| wizard data of <bes fixlet> | <i>Plain</i> | <html> | If the specified Fixlet message was created with a Wizard then this Inspector returns the HTML string representing the DataStore element of that Wizard. • Note: This is a Console-only Inspector. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|-----------------------------|--------------|-------------|--|
| wizard link of <bes fixlet> | <i>Plain</i> | <string> | If the specified Fixlet message was created with a Wizard then this Inspector returns the HTML string representing the link of that Wizard. <ul style="list-style-type: none"> Note: This is a Console-only Inspector. Win:6.0 |
| wizard name of <bes fixlet> | <i>Plain</i> | <string> | If the specified Fixlet message was created with a Wizard then this Inspector returns the HTML string representing the name of that Wizard. <ul style="list-style-type: none"> Note: This is a Console-only Inspector. Win:6.0 |

Operators

| Key phrase | Return Type | Description |
|-----------------------------|-------------|--|
| <bes fixlet> = <bes fixlet> | <boolean> | Compares two BES Fixlet types and returns TRUE if they are equal. Win:7.1 |

Examples

- `links (h1 of name of it) of bes fixlets`
 - ▶ Returns a list of HTML strings, each with an HTML link named after the Fixlet message and formatted as a header (h1).
- `links (name of it & "(" & id of it as string & ")) of bes fixlets`
 - ▶ Returns an HTML string that will print the name and ID of the Fixlet message inside a clickable <A> tag.
- `(br & html "Click here to open fixlet " & id of it as string) of bes fixlets`
 - ▶ Returns an html string such as 'Click here to open fixlet 12345' message that, when clicked, will open the corresponding BES Fixlet document.
- `links of bes fixlets`
 - ▶ Returns a list of all the BES Fixlets formatted as links in an HTML string.
- `links (name of it & "(" & id of it as string & ")) of bes actions`
 - ▶ Returns a list of clickable links displaying the name and ID of each Action.
- `links (h1 of name of it) of bes actions`
 - ▶ Returns a list of clickable links displaying the name each Action as a header.

- (id of it, mime fields "x-fixlet-sans" of it) of bes fixlets
 - ▶ Returns a list of the Fixlet IDs and the values of the mime SANS fields (if they exist) of each.
- size of (set of bes fixlets)
 - ▶ Returns the current number of BES Fixlet messages.
- names of bes fixlets whose (source severity of it is "Critical")
 - ▶ Returns a list of the names of the critical Fixlets. Note that the quoted severity (in this case "Critical") is case-sensitive.

BES Fixlet Set

These Inspectors iterate over the current set of BES Fixlets and package them as a mathematical set, suitable for further set manipulation.

Creation Methods

| Key Phrase | Form | Description |
|------------------------------------|--------------------|--|
| analysis set of <bes filter> | <i>Plain</i> | Returns a filtered set of Analyses. Given an Analysis filter that specifies "Visibility equals Visible", this Inspector returns just the set of BES Analyses that are visible. Win:7.0 |
| baseline set of <bes filter> | <i>Plain</i> | Returns a filtered set of Baselines. Given a Baseline filter that specifies "Visibility equals Visible", this Inspector returns just the set of BES Baselines that are visible. Win:7.0 |
| bes fixlet set | <i>PlainGlobal</i> | An iteration over the BES Fixlets, represented as a mathematical set. Win:7.0 |
| computer group set of <bes filter> | <i>Plain</i> | Returns a filtered set of computer groups. Given a computer group filter that specifies "Name contains 'test'", this Inspector returns the set of computer groups that have 'test' in their name. Win:7.0 |
| fixlet set of <bes filter> | <i>Plain</i> | Returns a filtered set of Fixlets. Given a Fixlet filter that specifies "Visibility equals Globally Hidden", this Inspector returns just the set of BES Fixlets that are globally hidden. Win:7.0 |
| fixlet set of <bes site> | <i>Plain</i> | Returns the set of Fixlets that are associated with the specified BES Site. Win:7.0 |

| Key Phrase | Form | Description |
|---------------------------------------|--------------|---|
| intersection of <bes fixlet set> | <i>Plain</i> | Returns the intersection of multiple BES Fixlet sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |
| relevant fixlet set of <bes computer> | <i>Plain</i> | Returns a list of all the <bes fixlet> objects that the specified computer has reported are relevant. The list is formatted as a mathematical set. Win:7.0 |
| set of <bes fixlet> | <i>Plain</i> | Creates a set from an iterated list of BES Fixlets. This can be subjected to arithmetic set operations such as union and intersection. Win:7.0 |
| task set of <bes filter> | <i>Plain</i> | Returns a filtered set of Tasks. Given a Task filter that specifies "Visibility equals Locally Hidden", this Inspector returns just the set of BES Tasks that are locally hidden. Win:7.0 |
| union of <bes fixlet set> | <i>Plain</i> | Returns the union of multiple BES Fixlet sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|----------------------------------|--------------|------------------|---|
| <bes fixlet set> as xml | <i>Cast</i> | <utf8 string> | Converts the specified set of BES Fixlets to XML format, for submission to the EvaluateRelevance API used by the BES Console and Web Reports. Win:7.0 |
| element of <bes fixlet set> | <i>Plain</i> | <bes fixlet> | Returns the unique elements of the specified <bes fixlet set>, removing duplicates and sorting by value. Win:7.0 |
| intersection of <bes fixlet set> | <i>Plain</i> | <bes fixlet set> | Returns the intersection of multiple BES Fixlet sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |

| Key Phrase | Form | Return Type | Description |
|---------------------------|--------------|------------------|--|
| size of <bes fixlet set> | <i>Plain</i> | <integer> | Returns the number of unique BES Fixlets in the specified set. Win:7.0 |
| union of <bes fixlet set> | <i>Plain</i> | <bes fixlet set> | Returns the union of multiple BES Fixlet sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |

Operators

| Key phrase | Return Type | Description |
|--|------------------|---|
| <bes fixlet set> {op} <bes fixlet set> | <bes fixlet set> | Operates on two sets of BES Fixlets, where {op} is one of: -, *, +. Minus subtracts the elements of one set from the other, multiply performs an intersection and plus performs a union. Win:7.0 |
| <bes fixlet set> = <bes fixlet set> | <boolean> | Compares two sets of BES Fixlets for equivalence. Win:7.0 |

BES Fixlet with Multiplicity

These Inspectors deal with arrays of bes fixlets, allowing you to pluck out unique fixlets and count them. These objects are derived from ordinary bes fixlets.

Creation Methods

| Key Phrase | Form | Description |
|------------------------------|--------------|---|
| unique value of <bes fixlet> | <i>Plain</i> | Returns the unique values of a given list of <bes fixlet> types, removing duplicates and sorting by value. Win:7.1 |

Properties

| Key Phrase | Form | Return Type | Description |
|--|--------------|-------------|--|
| multiplicity of <bes fixlet with multiplicity> | <i>Plain</i> | <integer> | Sorts the list and returns the multiplicity, or count, of each unique element in the specified list of multiple <bes fixlet> types. Win:7.1 |

BES Fixlet Action

These Inspectors let you examine BES Actions that are attached to Fixlet messages.

Creation Methods

| Key Phrase | Form | Description |
|------------------------------------|-----------------|---|
| action <integer> of <bes fixlet> | <i>Numbered</i> | Returns an object representing the nth action for the specified Fixlet message. Win:6.0 |
| action <string> of <bes fixlet> | <i>Named</i> | Returns an object representing the named action for the specified Fixlet message. Win:6.0 |
| action of <bes baseline component> | <i>Plain</i> | Returns the action(s) associated with the specified baseline component. Win:7.0 |
| action of <bes fixlet> | <i>Plain</i> | Returns a list of all the Fixlet actions associated with the specified Fixlet message. Win:6.0 |
| default action of <bes fixlet> | <i>Plain</i> | Returns an object representing the default action for the specified Fixlet message. Win:6.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|-----------------------------------|--------------|-------------|--|
| content id of <bes fixlet action> | <i>Plain</i> | <string> | Returns the content ID field for the specified Fixlet action. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|------------------------------------|--------------|-------------|--|
| script of <bes fixlet action> | <i>Plain</i> | <string> | Returns the script for the specified Fixlet action. Win:6.0 |
| script type of <bes fixlet action> | <i>Plain</i> | <string> | Returns the MIME type of the specified Fixlet action. Win:6.0 |

BES Fixlet Result

These Inspectors allow you to inspect the results of BES Fixlet messages, including relevance and affected computers.

Creation Methods

| Key Phrase | Form | Description |
|--|--|---|
| result <(bes computer, bes fixlet)> | <i>Index<(bes computer, bes fixlet)>Global</i> | Returns a Fixlet result for the given computer and Fixlet. This command is a variant of other result Inspectors, such as result from <bes fixlet> of <bes computer>. Win:7.0 |
| result <(bes fixlet, bes computer)> | <i>Index<(bes fixlet, bes computer)>Global</i> | Returns a Fixlet result for the given computer and Fixlet. This command is a variant of other result Inspectors, such as result from <bes fixlet> of <bes computer>. Win:7.0 |
| result from <bes computer> of <bes fixlet> | <i>Index<bes computer></i> | Returns a Fixlet result for the given computer and Fixlet. Win:7.0 |
| result from <bes fixlet> of <bes computer> | <i>Index<bes fixlet></i> | Returns a Fixlet result for the given computer and Fixlet. Win:7.0 |
| result of <bes fixlet> | <i>Plain</i> | Returns a list of all <bes fixlet result> objects for all computers that have reported on the specified Fixlet message. Win:6.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|---------------------------------|--------------|----------------|--|
| computer of <bes fixlet result> | <i>Plain</i> | <bes computer> | Returns the BES computer associated with the specified Fixlet result. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|--|--------------|--------------|---|
| first became relevant of <bes fixlet result> | <i>Plain</i> | <time> | Returns the time when the Fixlet result first became relevant. <ul style="list-style-type: none"> Note: This is a Web Reports-only Inspector. Win:6.0 |
| fixlet of <bes fixlet result> | <i>Plain</i> | <bes fixlet> | Returns the Fixlet message associated with the specified Fixlet result. Win:6.0 |
| last became nonrelevant of <bes fixlet result> | <i>Plain</i> | <time> | Returns the time when the Fixlet result last became non-relevant. This may be tied to the successful completion of the Fixlet message. <ul style="list-style-type: none"> Note: This is a Web Reports-only Inspector. Win:6.0 |
| last became relevant of <bes fixlet result> | <i>Plain</i> | <time> | Returns the time when the Fixlet result last became relevant. <ul style="list-style-type: none"> Note: This is a Web Reports-only Inspector. Win:6.0 |
| relevant flag of <bes fixlet result> | <i>Plain</i> | <boolean> | Returns TRUE if the computer reports that the given Fixlet result is relevant, and FALSE otherwise. Win:6.0 |

BES Property

These Inspectors return information about the properties of BES Client computers. Properties -- along with their names, IDs and definitions -- can be iterated to produce property lists of all your networked BES computers.

Creation Methods

| Key Phrase | Form | Description |
|-----------------------|--------------------|--|
| bes property | <i>PlainGlobal</i> | Returns a list of all the BES custom site objects. Win:6.0 |
| bes property <string> | <i>NamedGlobal</i> | Returns the first property whose name matches the given string. Note that it is not safe to assume that there is only one property with a given name. Win:6.0 |

| Key Phrase | Form | Description |
|------------------------------------|-----------------|--|
| element of <bes property set> | <i>Plain</i> | Returns the unique elements of the specified <bes property set>, removing duplicates and sorting by value. Win:7.0 |
| property <integer> of <bes fixlet> | <i>Numbered</i> | If the specified Fixlet is from an analysis, this Inspector returns the property with the ID given by <integer>. Win:6.0 |
| property of <bes fixlet> | <i>Plain</i> | If the specified Fixlet is from an analysis, this Inspector returns a list of all of the <bes property> objects associated with it. Win:6.0 |
| property of <bes property result> | <i>Plain</i> | Returns the property corresponding to the specified BES property result. Win:6.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|---------------------------------|--------------|---------------|--|
| <bes property> as xml | <i>Cast</i> | <utf8 string> | Converts the specified BES Property to XML format, for submission to the EvaluateRelevance API used by the BES Console and Web Reports. Win:7.0 |
| analysis flag of <bes property> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES property is an analysis property. Win:6.0 |
| category of <bes property> | <i>Plain</i> | <string> | Returns the optional category created for the specified BES property. Win:7.0 |
| custom flag of <bes property> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES property is custom. Win:6.0 |
| database id of <bes property> | <i>Plain</i> | <integer> | In the Web Reports environment, this Inspector returns the numeric ID of the database containing the specified BES property. Win:6.0 |
| default flag of <bes property> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES property is the default. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|--|----------------------------------|---------------------------------|---|
| definition of <bes property> | <i>Plain</i> | <string> | Returns the relevance expression which defines the specified property. Win:6.0 |
| evaluation period of <bes property> | <i>Plain</i> | <time interval> | Returns the <time interval> that controls how frequently clients will submit reports for the specified property. Win:6.0 |
| id of <bes property> | <i>Plain</i> | <(integer, integer, integer)> | Returns a 3-tuple of integers composed of the site ID, analysis ID and property ID. The first integer identifies the site hosting the Analysis. For custom properties not contained in an analysis (those created using the Manage Properties dialog), it is the ID of the Action site. The second integer identifies the Analysis containing the property. For custom properties, this is 0. The third integer identifies the property itself. This is the same as the source ID if the property is defined in an Analysis. If it is not defined in an Analysis then this is the unique object ID for the property. Win:7.1 |
| keep statistics flag of <bes property> | <i>Plain</i> | <boolean> | Returns TRUE if statistics are being kept for the specified BES property. Win:7.0 |
| name of <bes property> | <i>Plain</i> | <string> | Returns the name of the specified BES property. This name is not guaranteed to be unique. Win:6.0 |
| reported computer set of <bes property> | <i>Plain</i> | <bes computer set> | Returns a list of all the computers that have reported for the specified BES property. The list is formatted as a mathematical set. Win:7.0 |
| reserved flag of <bes property> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES property is reserved. Win:6.0 |
| result from <bes computer> of <bes property> | <i>Index<bes computer></i> | <bes property result> | Returns the result of the specified BES property and computer. Win:6.0 |
| result of <bes property> | <i>Plain</i> | <bes property result> | Returns a list of the BES property results for every computer reporting a result for the specified property. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|--|-------|----------------------------------|---|
| set of <bes property> | Plain | <bes property set> | Converts the specified BES Property list to a set that can be arithmetically manipulated. Win:7.0 |
| simple name of <bes property> | Plain | <string> | Returns the non-category portion of the property name. Win:7.0 |
| source analysis of <bes property> | Plain | <bes fixlet> | Returns the <bes fixlet> object corresponding to the analysis that defines the specified property. Win:6.0 |
| source evaluation period of <bes property> | Plain | <time interval> | Returns the period of the property as specified by the analysis that defines it. This period is not necessarily the same as the period of the property. Win:6.0 |
| source id of <bes property> | Plain | <integer> | Returns the ID of the property as specified by the analysis that defines it. This is not the same as the unique property ID. Win:6.0 |
| source name of <bes property> | Plain | <string> | Returns the name of the property as specified by the analysis that defines it. This name is not necessarily the same as the name of the property. Win:6.0 |
| statistic range of <bes property> | Plain | <statistic range> | Returns the range of statistical bins associated with the given property. The property must be marked for statistical aggregation. If not, or if no clients have reported results, it throws NoSuchObject. Win:6.0 |
| unique value of <bes property> | Plain | <bes property with multiplicity> | Returns the unique values of a given list of <bes property> types, removing duplicates and sorting by value. Win:7.1 |

Operators

| Key phrase | Return Type | Description |
|---------------------------------|-------------|--|
| <bes property> = <bes property> | <boolean> | Compares two BES Property types and returns TRUE if they are equal. Win:7.1 |

Examples

- size of (set of bes properties)
- ▶ Returns the current number of BES properties.

BES Property Set

These Inspectors iterate over the current set of BES properties and package them as a mathematical set, suitable for further set manipulation.

Creation Methods

| Key Phrase | Form | Description |
|---|--------------------|---|
| bes property set | <i>PlainGlobal</i> | An iteration over the BES Properties, represented as a mathematical set. Win:7.0 |
| intersection of <bes property set> | <i>Plain</i> | Returns the intersection of multiple BES property sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |
| reported property set of <bes computer> | <i>Plain</i> | Returns a list of all the BES properties that have reported on the specified computer(s). The list is formatted as a mathematical set. Win:7.0 |
| set of <bes property> | <i>Plain</i> | Creates a set from an iterated list of BES Properties. This can be subjected to arithmetic set operations such as union and intersection. Win:7.0 |
| union of <bes property set> | <i>Plain</i> | Returns the union of multiple BES property sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|------------------------------------|--------------|--------------------|---|
| <bes property set> as xml | <i>Cast</i> | <utf8 string> | Converts the specified set of BES Properties to XML format, for submission to the EvaluateRelevance API used by the BES Console and Web Reports. Win:7.0 |
| element of <bes property set> | <i>Plain</i> | <bes property> | Returns the unique elements of the specified <bes property set>, removing duplicates and sorting by value. Win:7.0 |
| intersection of <bes property set> | <i>Plain</i> | <bes property set> | Returns the intersection of multiple BES property sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |
| size of <bes property set> | <i>Plain</i> | <integer> | Returns the number of unique BES Properties in the specified set. Win:7.0 |
| union of <bes property set> | <i>Plain</i> | <bes property set> | Returns the union of multiple BES property sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |

Operators

| Key phrase | Return Type | Description |
|--|--------------------|--|
| <bes property set> {op} <bes property set> | <bes property set> | Operates on two sets of BES properties, where {op} is one of: -, *, +. Minus subtracts the elements of one set from the other, multiply performs an intersection and plus performs a union. Win:7.0 |
| <bes property set> = <bes property set> | <boolean> | Compares two sets of BES properties for equivalence. Win:7.0 |

BES Property with Multiplicity

These Inspectors deal with arrays of bes properties, allowing you to pluck out unique properties and count them. These objects are derived from ordinary bes properties.

Creation Methods

| Key Phrase | Form | Description |
|--------------------------------|--------------|---|
| unique value of <bes property> | <i>Plain</i> | Returns the unique values of a given list of <bes property> types, removing duplicates and sorting by value. Win:7.1 |

Properties

| Key Phrase | Form | Return Type | Description |
|--|--------------|-------------|--|
| multiplicity of <bes property with multiplicity> | <i>Plain</i> | <integer> | Sorts the list and returns the multiplicity, or count, of each unique element in the specified list of multiple <bes property> types. Win:7.1 |

BES Property Result

These Inspectors return the results derived from the given properties of the specified BES Client computers.

Creation Methods

| Key Phrase | Form | Description |
|---|--|---|
| property result of <bes computer> | <i>Plain</i> | Returns a list of all of the <bes property result> objects that the specified BES computer has reported. Win:6.0 |
| result <(bes computer, bes property)> | <i>Index<(bes computer, bes property)>Global</i> | Returns the result of the specified BES property and computer. Win:6.0 |
| result <(bes property, bes computer)> | <i>Index<(bes property, bes computer)>Global</i> | Returns the result of the specified BES property and computer. Win:6.0 |

| Key Phrase | Form | Description |
|--|-----------------------------|---|
| result from <bes computer> of <bes property> | <i>Index</i> <bes computer> | Returns the result of the specified BES property and computer. Win:6.0 |
| result from <bes property> of <bes computer> | <i>Index</i> <bes property> | Returns the result of the specified BES property and computer. Win:6.0 |
| result of <bes property> | <i>Plain</i> | Returns a list of the BES property results for every computer reporting a result for the specified property. Win:6.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|--|--------------|----------------|---|
| computer of <bes property result> | <i>Plain</i> | <bes computer> | Returns the computer corresponding to the specified BES property result. Win:6.0 |
| error flag of <bes property result> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES property result is an error. Win:6.0 |
| error message of <bes property result> | <i>Plain</i> | <string> | If the specified BES property result is an error, this Inspector returns the error message. Win:6.0 |
| plural flag of <bes property result> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES property result is a multiple result. Win:6.0 |
| property of <bes property result> | <i>Plain</i> | <bes property> | Returns the property corresponding to the specified BES property result. Win:6.0 |
| value count of <bes property result> | <i>Plain</i> | <integer> | Returns the number of values reported by this computer for the specified property result. Win:6.0 |
| value of <bes property result> | <i>Plain</i> | <string> | Returns a list of the <string> values reported by this computer for the specified property result. Win:6.0 |

BES Site

The site Inspectors return the names and IDs of the specified site objects. As of BES 7.0, the <bes custom site> type has been merged with bes site, which now represents all supported types, including external sites, master action sites, operator sites, and custom sites. All properties of bes custom site are now accessible via <bes site>. As a compatibility measure, bes sites still returns only external and master action sites.

Creation Methods

| Key Phrase | Form | Description |
|------------------------------|--------------------|---|
| all bes site | <i>PlainGlobal</i> | This iterative Inspector returns a list of all external, master, operator, and custom sites. <small>Win:7.0</small> |
| bes custom site | <i>PlainGlobal</i> | Returns a list of all custom sites. Deprecated as of version 7.0; instead use "all bes sites whose (custom site flag of it)". <small>Win:7.0</small> |
| bes site | <i>PlainGlobal</i> | Returns a list of all the BES sites. <small>Win:6.0</small> |
| custom site of <bes fixlet> | <i>Plain</i> | If the specified Fixlet message resides in a custom site, this Inspector returns the corresponding site object. <small>Win:7.0</small> |
| site of <bes computer group> | <i>Plain</i> | Returns the site corresponding to the specified BES Computer Group. <small>Win:7.0</small> |
| site of <bes fixlet> | <i>Plain</i> | Returns the <bes site> object which contains the specified fixlet. <small>Win:6.0</small> |
| site of <bes wizard> | <i>Plain</i> | Returns the site corresponding to the specified BES Wizard. <small>Win:7.0</small> |

Properties

| Key Phrase | Form | Return Type | Description |
|----------------------------------|--------------|----------------|---|
| creation date of <bes site> | <i>Plain</i> | <time> | Depending on the type of the BES site, this inspector returns the creation date: <ul style="list-style-type: none"> • External and Master sites: Does not exist (added in version 7.0). • Operator sites: The <moment> when the operator was created (added in version 7.0). • Custom sites: The <moment> when the site was created. Win:7.0 |
| creator of <bes site> | <i>Plain</i> | <bes user> | Returns the <bes user> who created the specified custom site. Does not exist for External, Master or Operator sites. Win:7.0 |
| custom site flag of <bes site> | <i>Plain</i> | <boolean> | Returns TRUE if and only if the specified site is a custom site. Win:7.0 |
| description of <bes site> | <i>Plain</i> | <string> | For a custom site, this is the description of the site that was specified by the creator. For External, Master or Operator sites, the description does not exist. Win:7.0 |
| display name of <bes site> | <i>Plain</i> | <string> | Beginning with version 7.1, a custom site can specify a display name that's different from the site name in the masthead. This inspector returns the display name; for the masthead name, use name of <bes site>. Win:7.1 |
| explicit owner of <bes site> | <i>Plain</i> | <bes user> | Returns a list of BES users that have been granted ownership of the specified site. Notice that the creator of this site is not included in the owner list. <ul style="list-style-type: none"> • Note: This is a Console-only Inspector. Win:7.1 |
| explicit owner set of <bes site> | <i>Plain</i> | <bes user set> | Returns the set of BES users who are owners (an iterated list) of the specified BES site. Win:7.1 |

| Key Phrase | Form | Return Type | Description |
|-----------------------------------|-----------------|------------------|--|
| explicit reader of <bes site> | <i>Plain</i> | <bes user> | Returns a list of BES users that have been granted reading privileges on the specified site. Notice that the creator, owners (unless explicitly added) and writers of this site are not included in this reader list. <ul style="list-style-type: none"> • Note: This is a Console-only Inspector. Win:7.1 |
| explicit reader set of <bes site> | <i>Plain</i> | <bes user set> | Returns the set of BES users who have read rights (the iterated list) on the specified BES custom site. Win:7.1 |
| explicit writer of <bes site> | <i>Plain</i> | <bes user> | Returns a list of BES users that have been granted writing privileges on the specified site. Notice that the creator and owners (unless explicitly added) of this site are not included in this reader list. <ul style="list-style-type: none"> • Note: This is a Console-only Inspector. Win:7.1 |
| explicit writer set of <bes site> | <i>Plain</i> | <bes user set> | Returns the set of BES users who have write permissions (as an iterated list) on the specified BES site. Win:7.1 |
| external site flag of <bes site> | <i>Plain</i> | <boolean> | Returns TRUE if and only if the specified site is an external site. Win:7.0 |
| fixlet <integer> of <bes site> | <i>Numbered</i> | <bes fixlet> | Returns the Fixlet with the specified ID from the given BES site. Win:6.0 |
| fixlet of <bes site> | <i>Plain</i> | <bes fixlet> | Returns a list all of the Fixlet objects in the given BES site. Win:6.0 |
| fixlet set of <bes site> | <i>Plain</i> | <bes fixlet set> | Returns the set of Fixlets that are associated with the specified BES Site. Win:7.0 |

| Key Phrase | Form | Return Type | Description |
|--------------------------------------|------------------------------|----------------|--|
| globally readable flag of <bes site> | <i>Plain</i> | <boolean> | The value of the globally readable flag depends on the type of site: <ul style="list-style-type: none"> • External sites: True if and only if the site has been marked as readable by all users. • Master sites: True. • Operator sites: False. • Custom sites: True if and only if the site has been marked as readable by all users. Win:7.0 |
| id of <bes site> | <i>Plain</i> | <integer> | Returns the numeric ID unique to the specified BES site. Win:6.0 |
| master site flag of <bes site> | <i>Plain</i> | <boolean> | Returns TRUE if and only if the specified site is a master site. Win:7.0 |
| name of <bes site> | <i>Plain</i> | <string> | Returns the name of the specified BES site (undecorated). Win:6.0 |
| operator site flag of <bes site> | <i>Plain</i> | <boolean> | Returns TRUE if and only if the specified site is an operator site. Win:7.0 |
| owner flag <bes user> of <bes site> | <i>Index<bes user></i> | <boolean> | This Inspector is deprecated as of Version 7.0. Instead use "exists owner of <bes site> whose (it = <bes user>)". Win:7.0 |
| owner of <bes site> | <i>Plain</i> | <bes user> | Returns a list of BES users that have been granted ownership of the specified site. Notice that the creator of this site is not included in the owner list. <ul style="list-style-type: none"> • Note: This is a Console-only Inspector. Win:7.0 |
| owner set of <bes site> | <i>Plain</i> | <bes user set> | Returns the set of BES users who are owners (an iterated list) of the specified BES site. Win:7.0 |

| Key Phrase | Form | Return Type | Description |
|---------------------------------------|--------------|--------------------|--|
| reader of <bes site> | <i>Plain</i> | <bes user> | Returns a list of BES users that have been granted reading privileges on the specified site. Notice that the creator, owners (unless explicitly added) and writers of this site are not included in this reader list. <ul style="list-style-type: none"> • Note: This is a Console-only Inspector. Win:7.0 |
| reader set of <bes site> | <i>Plain</i> | <bes user set> | Returns the set of BES users who have read rights (the iterated list) on the specified BES custom site. Win:7.0 |
| subscribed computer of <bes site> | <i>Plain</i> | <bes computer> | Returns the list of computers that are subscribed to the specified BES site. Win:7.0 |
| subscribed computer set of <bes site> | <i>Plain</i> | <bes computer set> | Returns the list of computers that are subscribed to the specified BES site. The list is formatted as a mathematical set for easier manipulation. Win:7.0 |
| writer of <bes site> | <i>Plain</i> | <bes user> | Returns a list of BES users that have been granted writing privileges on the specified site. Notice that the creator and owners (unless explicitly added) of this site are not included in this reader list. <ul style="list-style-type: none"> • Note: This is a Console-only Inspector. Win:7.0 |
| writer set of <bes site> | <i>Plain</i> | <bes user set> | Returns the set of BES users who have write permissions (as an iterated list) on the specified BES site. Win:7.0 |

Examples

- display name of bes site whose (name of it = "Enterprise Security")
- ▶ Returns "Patches for Windows."

BES User

These Inspectors let you keep track of the users authorized to use the BES Console. You can iterate over the users, producing lists containing information such as the name and authorization level.

Creation Methods

| Key Phrase | Form | Description |
|---------------------------------|--------------------|---|
| administrator of <bes computer> | <i>Plain</i> | Iterates over the users who have administrative rights on this computer. Win:7.0 |
| author of <bes comment> | <i>Plain</i> | Returns the author of the specified BES Comment. Win:7.0 |
| bes user | <i>PlainGlobal</i> | Returns a list of all the BES users. Win:6.0 |
| creator of <bes site> | <i>Plain</i> | Returns the <bes user> who created the specified custom site. Does not exist for External, Master or Operator sites. Win:7.0 |
| current console user | <i>PlainGlobal</i> | Returns a user object for the user currently logged into the BES Console. Win:6.0 |
| element of <bes user set> | <i>Plain</i> | Returns the unique elements of the specified <bes user set>, removing duplicates and sorting by value. Win:7.0 |
| explicit owner of <bes site> | <i>Plain</i> | Returns a list of BES users that have been granted ownership of the specified site. Notice that the creator of this site is not included in the owner list. <ul style="list-style-type: none"> • Note: This is a Console-only Inspector. Win:7.1 |
| explicit reader of <bes site> | <i>Plain</i> | Returns a list of BES users that have been granted reading privileges on the specified site. Notice that the creator, owners (unless explicitly added) and writers of this site are not included in this reader list. <ul style="list-style-type: none"> • Note: This is a Console-only Inspector. Win:7.1 |

| Key Phrase | Form | Description |
|-------------------------------|--------------|--|
| explicit writer of <bes site> | <i>Plain</i> | Returns a list of BES users that have been granted writing privileges on the specified site. Notice that the creator and owners (unless explicitly added) of this site are not included in this reader list. <ul style="list-style-type: none"> • Note: This is a Console-only Inspector. Win:7.1 |
| issuer of <bes action> | <i>Plain</i> | Returns the BES user object corresponding to the issuer of the specified action. Win:6.0 |
| issuer of <bes activation> | <i>Plain</i> | Returns the <bes user> object corresponding to the user who issued the specified activation. Win:6.0 |
| issuer of <bes fixlet> | <i>Plain</i> | Returns the <bes user> object corresponding to the author of the specified fixlet. Win:6.0 |
| owner of <bes site> | <i>Plain</i> | Returns a list of BES users that have been granted ownership of the specified site. Notice that the creator of this site is not included in the owner list. <ul style="list-style-type: none"> • Note: This is a Console-only Inspector. Win:7.0 |
| reader of <bes site> | <i>Plain</i> | Returns a list of BES users that have been granted reading privileges on the specified site. Notice that the creator, owners (unless explicitly added) and writers of this site are not included in this reader list. <ul style="list-style-type: none"> • Note: This is a Console-only Inspector. Win:7.0 |
| stopper of <bes action> | <i>Plain</i> | If the specified action has been stopped, this Inspector returns the user who stopped it. Win:7.0 |
| writer of <bes site> | <i>Plain</i> | Returns a list of BES users that have been granted writing privileges on the specified site. Notice that the creator and owners (unless explicitly added) of this site are not included in this reader list. <ul style="list-style-type: none"> • Note: This is a Console-only Inspector. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|--|----------------------------------|--------------------|--|
| administered computer of <bes user> | <i>Plain</i> | <bes computer> | Iterates and returns a list of the computers that are administered by the specified BES user. Win:7.0 |
| administered computer set of <bes user> | <i>Plain</i> | <bes computer set> | Returns the set of computers that are administrable by the specified BES user. Win:7.0 |
| administrator <bes computer> of <bes user> | <i>Index<bes computer></i> | <boolean> | Returns TRUE if the specified user is an administrator of the given computers. Win:7.0 |
| creation time of <bes user> | <i>Plain</i> | <time> | Returns the time when the specified user was created. Win:6.0 |
| custom content flag of <bes user> | <i>Plain</i> | <boolean> | Returns TRUE if the user has been granted the privilege to author custom content/actions. Win:6.0 |
| issued action of <bes user> | <i>Plain</i> | <bes action> | Returns all actions, including hidden actions, issued by the specified user. Win:7.0 |
| issued action set of <bes user> | <i>Plain</i> | <bes action set> | Returns all actions, including hidden actions, issued by the specified user. This list is formatted as a mathematical set. Win:7.0 |
| last login time of <bes user> | <i>Plain</i> | <time> | Returns the time of the specified user's most recent database login. Win:6.0 |
| link <html> of <bes user> | <i>Index<html></i> | <html> | Returns an HTML string containing an <A> tag including the supplied HTML description that, when clicked, will open the specified user document (in the BES Console) or its description page (in Web Reports). Win:6.0 |
| link <string> of <bes user> | <i>Named</i> | <html> | Returns an HTML string containing an <A> tag including the supplied descriptive string that, when clicked, will open the given user document (in the BES Console) or description page (in Web Reports). Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|---|--------------|------------------------------|--|
| link href of <bes user> | <i>Plain</i> | <string> | The link href property does not return an <A> tag but rather returns the value of the href attribute of the <A> tag that would be constructed by the other link inspectors. This allows you to create more flexible linking formats. (See link of <bes user>). Note that link href returns a normal string, not an HTML string. Win:6.0 |
| link of <bes user> | <i>Plain</i> | <html> | Returns an HTML string containing an <A> tag that when clicked will open the specified user document (in the BES Console) or its description page (in Web Reports). Win:6.0 |
| master flag of <bes user> | <i>Plain</i> | <boolean> | Returns TRUE if the user is a master administrator. Win:6.0 |
| name of <bes user> | <i>Plain</i> | <string> | Returns the name of the specified BES user (database login name). Win:6.0 |
| set of <bes user> | <i>Plain</i> | <bes user set> | Converts the specified BES User list to a set that can be arithmetically manipulated. Win:7.0 |
| unique value of <bes user> | <i>Plain</i> | <bes user with multiplicity> | Returns the unique values of a given list of <bes user> types, removing duplicates and sorting by value. Win:7.1 |
| unmanagedasset privilege scanpoint flag of <bes user> | <i>Plain</i> | <boolean> | When you create or edit a user, you specify whether they can see all unmanaged assets, none, or only those that were scanned by a computer which the user manages. This Inspector returns TRUE if the "scanpoint only" option is set for the specified user. Win:7.0 |
| unmanagedasset privilege showall flag of <bes user> | <i>Plain</i> | <boolean> | When you create or edit a user, you specify whether they can see all unmanaged assets, none, or only those that were scanned by a computer which the user manages. This Inspector returns TRUE if all assets are visible for the specified user. Win:7.0 |

| Key Phrase | Form | Return Type | Description |
|--|-------|-------------|--|
| unmanagedasset privilege shownone flag of <bes user> | Plain | <boolean> | When you create or edit a user, you specify whether they can see all unmanaged assets, none, or only those that were scanned by a computer which the user manages. This Inspector returns TRUE if no assets are visible the specified user. Win:7.0 |

Operators

| Key phrase | Return Type | Description |
|-------------------------|-------------|--|
| <bes user> = <bes user> | <boolean> | Compares two BES Users. Win:7.0 |

Examples

- (name of item 0 of it, size of item 1 of it) of (it, sets of items 1 of (it, bes fixlets) whose (issuer of item 1 of it = item 0 of it)) of bes users
 - ▶ Returns a list of the names of the current BES Users and the number of Fixlets each one has issued.
- links (h1 of name of it) of bes users
 - ▶ Returns a list of HTML strings, each with an HTML link named after the user and formatted as a header (h1).
- links (name of it & "(" & master flag of it as string & ")") of bes users
 - ▶ Returns an HTML string that will print the name and master status of the user inside a clickable <A> tag.
- (br & html "Click here to open user " & name of it as string) of bes users
 - ▶ Returns an html string such as 'Click here to open user John' message that, when clicked, will open the corresponding BES user document.
- links of bes users
 - ▶ Returns a list of all the BES users formatted as links in an HTML string.
- size of (set of bes users)
 - ▶ Returns the current number of BES users.

Fixlet Count Pair

These Inspectors return information about the Fixlet count pair objects for each severity level.

Creation Methods

| Key Phrase | Form | Description |
|--|--------------|---|
| count map of <historical fixlet count> | <i>Plain</i> | Returns all of the <fixlet count pair> objects (one for each severity level) that were saved with the specified historical Fixlet count. Win:6.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|--|--------------|-------------|--|
| count of <fixlet count pair> | <i>Plain</i> | <integer> | Returns the Fixlet count for each severity level of the Fixlet count pairs. Win:6.0 |
| source severity of <fixlet count pair> | <i>Plain</i> | <string> | Returns the severity level corresponding to the given Fixlet count pair. Win:6.0 |

Historical Computer Count

These Inspectors provide information about historical computer count objects.

Creation Methods

| Key Phrase | Form | Description |
|--------------------|--------------------|---|
| all computer count | <i>PlainGlobal</i> | Returns a list of all <historical_computer_count> objects. Win:6.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|--------------------------------------|--------------|-------------|--|
| count of <historical computer count> | <i>Plain</i> | <integer> | Returns the count when the specified historical computer count was last archived. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|--|--------------|-------------|--|
| database id of <historical computer count> | <i>Plain</i> | <integer> | In the Web Reports environment, this Inspector returns the numeric ID of the database containing the specified historical computer count. Win:6.0 |
| time of <historical computer count> | <i>Plain</i> | <time> | Returns the time when the specified count was archived. Win:6.0 |

Historical Fixlet Count

These provide historical information about the number of Fixlets at different severity levels.

Creation Methods

| Key Phrase | Form | Description |
|------------------|--------------------|---|
| all fixlet count | <i>PlainGlobal</i> | Returns a list of all the historical Fixlet counts. <ul style="list-style-type: none"> • Note: This is a Web Reports-only Inspector. Win:6.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|--|--------------|---------------------|---|
| count map of <historical fixlet count> | <i>Plain</i> | <fixlet count pair> | Returns all of the <fixlet count pair> objects (one for each severity level) that were saved with the specified historical Fixlet count. Win:6.0 |
| database id of <historical fixlet count> | <i>Plain</i> | <integer> | In the Web Reports environment, this Inspector returns the numeric ID of the database containing the specified historical Fixlet count. Win:6.0 |
| time of <historical fixlet count> | <i>Plain</i> | <time> | Returns the time when the specified historical Fixlet count was calculated. Win:6.0 |

Statistic Range

Statistical ranges are time intervals used to examine particular statistical bins.

Creation Methods

| Key Phrase | Form | Description |
|---|--------------------------------|--|
| range <time range> of <statistic range> | <i>Index<time range></i> | For the duration of the specified time range, (time0 to time1), this Inspector returns a sub-range of bins beginning with earliest bin containing time0 and going up to (but not including) the bin containing time1. If either of these bins does not exist, it throws NoSuchObject. Win:6.0 |
| statistic range of <bes property> | <i>Plain</i> | Returns the range of statistical bins associated with the given property. The property must be marked for statistical aggregation. If not, or if no clients have reported results, it throws NoSuchObject. Win:6.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|---|--------------------------------|-------------------|--|
| bin at <time> of <statistic range> | <i>Index<time></i> | <statistical bin> | Returns the bin in the specified statistical range which brackets the given time. If no such bin exists, it throws NoSuchObject. Win:6.0 |
| bin of <statistic range> | <i>Plain</i> | <statistical bin> | Returns a list of the individual bins in the specified range. Primarily useful after downsampling (see total <time interval> of <statistic range>). Win:6.0 |
| end of <statistic range> | <i>Plain</i> | <time> | Returns the ending time of the statistical range. Win:6.0 |
| range <time range> of <statistic range> | <i>Index<time range></i> | <statistic range> | For the duration of the specified time range, (time0 to time1), this Inspector returns a sub-range of bins beginning with earliest bin containing time0 and going up to (but not including) the bin containing time1. If either of these bins does not exist, it throws NoSuchObject. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|--|-----------------------------------|-------------------|--|
| start of <statistic range> | <i>Plain</i> | <time> | Returns the starting time of the statistical range. Win:6.0 |
| total <time interval> of <statistic range> | <i>Index<time interval></i> | <statistical bin> | This Inspector can be used to downsample or consolidate bins. It statistically totals over the given range, producing a new series of bins broken down by the (larger) specified time interval. The resulting range will start and end on a multiple of the interval. For example, if you ask for day bins, the results will start and end at midnight. If the specified time interval is not a multiple of the length of the starting bin of the range, this Inspector throws NoSuchObject. For example, you cannot get 6 hour totals of a range which starts with day bins. Win:6.0 |
| total of <statistic range> | <i>Plain</i> | <statistical bin> | Totals the bins over the specified range, producing a single summary bin. This allows you to reduce the data by constraining the range. Win:6.0 |

Examples

- mean of total of range ((now - day) & now) of statistics of property 1 of current analysis
- ▶ Returns the mean (average) value across all reported values in the last day. Note that this might fail if there have been no reports in the last day.

Statistical Bin

Statistical bins contain property information summed over all computers in a given time period.

Creation Methods

| Key Phrase | Form | Description |
|------------------------------------|--------------------------|--|
| bin at <time> of <statistic range> | <i>Index<time></i> | Returns the bin in the specified statistical range which brackets the given time. If no such bin exists, it throws NoSuchObject. Win:6.0 |
| bin of <statistic range> | <i>Plain</i> | Returns a list of the individual bins in the specified range. Primarily useful after downsampling (see total <time interval> of <statistic range>). Win:6.0 |

| Key Phrase | Form | Description |
|--|-----------------------------------|--|
| total <time interval> of <statistic range> | <i>Index<time interval></i> | This Inspector can be used to downsample or consolidate bins. It statistically totals over the given range, producing a new series of bins broken down by the (larger) specified time interval. The resulting range will start and end on a multiple of the interval. For example, if you ask for day bins, the results will start and end at midnight. If the specified time interval is not a multiple of the length of the starting bin of the range, this Inspector throws NoSuchObject. For example, you cannot get 6 hour totals of a range which starts with day bins. Win:6.0 |
| total of <statistic range> | <i>Plain</i> | Totals the bins over the specified range, producing a single summary bin. This allows you to reduce the data by constraining the range. Win:6.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|--------------------------------------|--------------|--------------------------|--|
| end of <statistical bin> | <i>Plain</i> | <time> | Returns the ending time of the specified statistical bin. Win:6.0 |
| exponential fit of <statistical bin> | <i>Plain</i> | <exponential projection> | Calculates a least-squares fit on the sum of the logarithms of the absolute values of the values. This provides a way to extrapolate an exponential change of values. Win:6.0 |
| failure rate of <statistical bin> | <i>Plain</i> | <floating point> | The integral over time of the number of failing computers divided by the integral over time of the number of reporting computers. Win:6.0 |
| geometric mean of <statistical bin> | <i>Plain</i> | <floating point> | Returns the geometric mean of the specified statistical bin. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|--|--------------|---------------------|---|
| javascript array <string> of <statistical bin> | <i>Named</i> | <html> | Produces a section of JavaScript which initializes the named array of objects, one for each input bin. Each object in the array has JavaScript properties which match the above bin data properties. For each inspector property, the equivalent JavaScript property is named by CamelCasing the name of the inspector property. Win:6.0 |
| kurtosis of <statistical bin> | <i>Plain</i> | <floating point> | Returns the kurtosis (a measure of the "narrowness" of the distribution) of the specified statistical bin. Win:6.0 |
| length of <statistical bin> | <i>Plain</i> | <time interval> | Returns a time interval corresponding to the length (or period) of the specified bin. Win:6.0 |
| linear fit of <statistical bin> | <i>Plain</i> | <linear projection> | Calculates a least-squares fit on the values, providing a tool for extrapolating a linear change of values. Win:6.0 |
| logarithm kurtosis of <statistical bin> | <i>Plain</i> | <floating point> | The kurtosis of the logarithms of the absolute values of the nonzero reported values. Win:6.0 |
| logarithm skewness of <statistical bin> | <i>Plain</i> | <floating point> | The skewness of the logarithms of the absolute values of the nonzero reported values. Win:6.0 |
| logarithm standard deviation of <statistical bin> | <i>Plain</i> | <floating point> | The standard deviation of the logarithms of the absolute values of the nonzero reported values. Win:6.0 |
| logarithm variance of <statistical bin> | <i>Plain</i> | <floating point> | The variance of the logarithms of the absolute values of the nonzero reported values. Win:6.0 |
| maximum single computer total of <statistical bin> | <i>Plain</i> | <floating point> | Returns a floating point number representing the largest computer total in the specified bin. Win:6.0 |
| maximum value of <statistical bin> | <i>Plain</i> | <floating point> | The maximum single value reported by any computer over the duration of the bin. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|--|--------------|------------------|---|
| mean computer count of <statistical bin> | <i>Plain</i> | <floating point> | This is the integral over time of the number of computers reporting this property divided by the duration of the bin. It might be fractional if computers started or stopped reporting this property during the interval of the bin. Win:6.0 |
| mean failing computer count of <statistical bin> | <i>Plain</i> | <floating point> | Returns the mean count of the computers where the inspection has failed. Win:6.0 |
| mean logarithm of <statistical bin> | <i>Plain</i> | <floating point> | The integral over time of the sum of the logarithms of the absolute values of all nonzero reported values, divided by the integral over time of the number of nonzero reported values. Win:6.0 |
| mean nonzero value count of <statistical bin> | <i>Plain</i> | <floating point> | Provides a measure of nonzero values, which is useful in interpreting the logarithmic results, which ignore zero values. The logarithmic results generally aren't interesting for any property that can be zero, so this Inspector can be used to validate property statistics. Win:6.0 |
| mean of <statistical bin> | <i>Plain</i> | <floating point> | The integral over time of the sum of all reported values, divided by the integral over time of the number of reported values. The variance, standard deviation, skewness, and kurtosis inspectors have this same domain. In particular, computers that fail and computers that report no values don't affect these statistics. Win:6.0 |
| mean sample interval of <statistical bin> | <i>Plain</i> | <time interval> | The sample interval is the time between consecutive samples on a single computer. The mean sample interval is the integral over time of the sum over computers of the sample interval divided by the integral over time of the number of reporting computers. This is the inverse of the mean sample rate. Win:6.0 |
| mean sample rate of <statistical bin> | <i>Plain</i> | <rate> | This is the inverse of the mean sample interval. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|---|--------------|------------------|--|
| mean successful computer count of <statistical bin> | <i>Plain</i> | <floating point> | Returns the mean count of the computers where the inspection has succeeded. Win:6.0 |
| mean total of <statistical bin> | <i>Plain</i> | <floating point> | The integral over time of the sum of all values reported divided by the integral over time of the number of computers reporting this property (successfully or failing). Win:6.0 |
| mean value count of <statistical bin> | <i>Plain</i> | <floating point> | This is the integral over time of the number of values reported divided by the integral over time of the number of computers reporting. That is, this is a mean over both time and computers. Win:6.0 |
| mean zero value count of <statistical bin> | <i>Plain</i> | <floating point> | Provides a measure of zero values, which is useful in interpreting the logarithmic results, which ignore zero values. The logarithmic results generally aren't interesting for any property that can be zero, so this Inspector can be used to test for that issue. Win:6.0 |
| minimum single computer total of <statistical bin> | <i>Plain</i> | <floating point> | The minimum over time and computers of the total of simultaneous values. (Thus, for a singular property, the same as "minimum value.".) Win:6.0 |
| minimum value of <statistical bin> | <i>Plain</i> | <floating point> | The minimum single value reported by any computer over the duration of the bin. Win:6.0 |
| skewness of <statistical bin> | <i>Plain</i> | <floating point> | Returns a floating point number representing the skewness (a measure the assymetry of the data) over the specified bin. Win:6.0 |
| standard deviation of <statistical bin> | <i>Plain</i> | <floating point> | Returns a floating point number representing the standard deviation of the data over the specified bin. Win:6.0 |
| start of <statistical bin> | <i>Plain</i> | <time> | Returns the starting time of the statistical bin. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|--|--------------|------------------|---|
| success rate of <statistical bin> | <i>Plain</i> | <floating point> | The integral over time of the number of successful computers divided by the integral over time of the number of reporting computers. Win:6.0 |
| total lower bound of <statistical bin> | <i>Plain</i> | <floating point> | Returns the lower bound of a group of statistical bins. Win:6.0 |
| total upper bound of <statistical bin> | <i>Plain</i> | <floating point> | Returns the upper bound of a group of statistical bins. Win:6.0 |
| variance of <statistical bin> | <i>Plain</i> | <floating point> | Returns the variance of the specified statistical bin. Win:6.0 |

Examples

■ javascript array "statistics" of totals (6*hour) of statistics of property 1 of current analysis

► Produces a JavaScript variable named "statistics" which holds an array of objects representing the statistical data for 6-hour periods across the entire range of data for the specified property. Make sure to restrict the range to a known size, so that the resulting array is not too big. For this example, the range must be 5-minute or hour bins, since day bins cannot be downsampled to 6-hour periods.

Rate

Rates are floating point numbers divided by time intervals. These Inspectors let you examine and convert rate objects.

Creation Methods

| Key Phrase | Form | Description |
|---------------------------------------|--------------|---|
| maximum of <rate> | <i>Plain</i> | Returns the maximum value from a list of <rate> types. Win:7.1, Mac:7.1 |
| mean sample rate of <statistical bin> | <i>Plain</i> | For instantaneous data, BES keeps sample-rate statistics to provide a gauge of how well-reported the data is. The sample interval is the time between consecutive samples on a single computer; the sample rate is the reciprocal of that time interval. Win:6.0 |
| minimum of <rate> | <i>Plain</i> | Returns the minimum value from a list of <rate> types. Win:7.1, Mac:7.1 |

| Key Phrase | Form | Description |
|-----------------------------|--------------|--|
| rate of <linear projection> | <i>Plain</i> | Returns the slope of the linear projection. Multiply this by a time interval to compute the projected growth over that period. Win:6.0, Mac:7.1 |

Properties

| Key Phrase | Form | Return Type | Description |
|------------------------|--------------|--------------------------|--|
| <rate> as string | <i>Cast</i> | <string> | Casts a rate as a string. Win:6.0, Mac:7.1 |
| extrema of <rate> | <i>Plain</i> | <(rate, rate)> | Returns the minimum and maximum extreme values of the given list of <rate> types. Win:7.1, Mac:7.1 |
| maximum of <rate> | <i>Plain</i> | <rate> | Returns the maximum value from a list of <rate> types. Win:7.1, Mac:7.1 |
| minimum of <rate> | <i>Plain</i> | <rate> | Returns the minimum value from a list of <rate> types. Win:7.1, Mac:7.1 |
| unique value of <rate> | <i>Plain</i> | <rate with multiplicity> | Returns the unique values of a given list of <rate> types, removing duplicates and sorting by value. Win:7.1, Mac:7.1 |

Operators

| Key phrase | Return Type | Description |
|--------------------------|------------------|---|
| - <rate> | <rate> | Returns the negative of the given rate. Win:6.0, Mac:7.1 |
| <rate> * <time interval> | <floating point> | Multiplies a <rate> by a <time interval>, producing a floating point number. Win:6.0, Mac:7.1 |
| <rate> {cmp} <rate> | <boolean> | Compare two rates, returning a boolean TRUE or FALSE, where {cmp} is one of: <, <=, =. Win:6.0 |

| Key phrase | Return Type | Description |
|--------------------------|------------------|--|
| <rate> {op} <rate> | <rate> | Operate on two rates, returning a new rate, where {op} is one of: -, +. Win:6.0 |
| <time interval> * <rate> | <floating point> | Multiplies a <time interval> by a <rate>, producing a floating point number. Win:6.0, Mac:7.1 |

Rate with Multiplicity

These Inspectors deal with rate arrays, allowing you to pluck out unique rate values and count them. These objects are derived from ordinary rate types.

Creation Methods

| Key Phrase | Form | Description |
|------------------------|-------|--|
| unique value of <rate> | Plain | Returns the unique values of a given list of <rate> types, removing duplicates and sorting by value. Win:7.1, Mac:7.1 |

Properties

| Key Phrase | Form | Return Type | Description |
|--|-------|-------------|---|
| multiplicity of <rate with multiplicity> | Plain | <integer> | Sorts the list and returns the multiplicity, or count, of each unique element in the specified list of multiple <rate> types. Win:7.1, Mac:7.1 |

Linear Projection

These Inspectors return statistical correlation information about the linearity of specific aggregated properties.

Creation Methods

| Key Phrase | Form | Description |
|---------------------------------|-------|---|
| linear fit of <statistical bin> | Plain | This Inspector calculates a least-squares fit on the sum of the values to project how that sum might change with time. Win:6.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|--|--------------------------|------------------|--|
| correlation coefficient of <linear projection> | <i>Plain</i> | <floating point> | Returns a floating-point number between -1 and 1, representing how well a linear projection fits the data. Win:6.0, Mac:7.1 |
| extrapolation <time> of <linear projection> | <i>Index<time></i> | <floating point> | Returns the projected value at the specified time, assuming a linear projection. Win:6.0, Mac:7.1 |
| rate of <linear projection> | <i>Plain</i> | <rate> | Returns the slope of the linear projection. Multiply this by a time interval to compute the projected growth over that period. Win:6.0, Mac:7.1 |

Exponential Projection

These Inspectors return statistical correlation information about the logarithms of the aggregated properties.

Creation Methods

| Key Phrase | Form | Description |
|--------------------------------------|--------------|--|
| exponential fit of <statistical bin> | <i>Plain</i> | Calculates a least-squares fit on the sum of the logarithms of the absolute values of the values. This provides a way to extrapolate an exponential change of values. Win:6.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|---|-----------------------------------|------------------|--|
| correlation coefficient of <exponential projection> | <i>Plain</i> | <floating point> | Returns a floating-point number between -1 and 1, representing how well an exponential projection fits the data. Win:6.0, Mac:7.1 |
| extrapolation <time> of <exponential projection> | <i>Index<time></i> | <floating point> | Returns the projected value at the specified time, assuming an exponential projection. Win:6.0, Mac:7.1 |
| rate <time interval> of <exponential projection> | <i>Index<time interval></i> | <floating point> | Returns the slope of the exponential projection over the specified time interval. Win:6.0, Mac:7.1 |

BES Action Parameter

A Fixlet can incorporate parameters in its associated Action(s). When the Fixlet becomes relevant to the network, the BES Console will prompt the user for the value of the parameter. For example, a Fixlet Action might need to start a Windows service specified by the Console user. When the the Action is taken, the Console would prompt for the name of the service. That value would then be passed down to the BES Client and substituted into the local Action script upon execution.

Creation Methods

| Key Phrase | Form | Description |
|---------------------------|--------------|--|
| parameter of <bes action> | <i>Plain</i> | Returns the parameter(s) for the specified BES Action. An action parameter has two inspectable properties: a name and a value. Parameters are embedded in Actions to allow the Console user to supply a custom value. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|---------------------------------|--------------|-------------|--|
| name of <bes action parameter> | <i>Plain</i> | <string> | Returns the name of the specified Action parameter. Win:7.0 |
| value of <bes action parameter> | <i>Plain</i> | <string> | Returns the value associated with the specified Action parameter. Win:7.0 |

Examples

- names of parameters of bes action whose (name of it contains "Download")
- ▶ Returns the parameter names of bes actions with "Download" in the name.

BES Baseline Component

These Inspectors return the individual components of a Baseline, such as Fixlets, Tasks or other Baselines.

Creation Methods

| Key Phrase | Form | Description |
|---|--------------|--|
| component of <bes baseline component group> | <i>Plain</i> | Returns a list of the components of the specified BES Baseline component group. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|---|--------------|---------------------|--|
| action of <bes baseline component> | <i>Plain</i> | <bes fixlet action> | Returns the Action corresponding to the specified BES Baseline component. Win:7.0 |
| applicable computer count of <bes baseline component> | <i>Plain</i> | <integer> | Returns the number of computers (regardless of locking) that have reported that the specified BES Baseline component is relevant. Win:7.0 |
| applicable computer set of <bes baseline component> | <i>Plain</i> | <bes computer set> | Returns the set of computers where the given baseline component(s) is applicable, i.e., those computers where the baseline component is relevant. Win:7.0 |
| id of <bes baseline component> | <i>Plain</i> | <integer> | Returns the numeric ID of the specified BES Baseline component. Win:7.0 |
| include in relevance flag of <bes baseline component> | <i>Plain</i> | <boolean> | When you define a Baseline by adding components, the default is to OR the relevance from each baseline component with the overall Baseline relevance. Thus, the multiple Action group will be relevant on machines where any of the components are relevant. If you add a component that is always relevant (such as "true"), you might want to uncheck the "Baseline will be relevant on applicable computers where this component is relevant" checkbox (click the + next to the component name to see it). This Inspector returns TRUE if this box is checked for the specified component. Win:7.0 |
| name of <bes baseline component> | <i>Plain</i> | <string> | Returns the name of the specified BES Baseline component. Win:7.0 |
| relevance of <bes baseline component> | <i>Plain</i> | <string> | Returns the relevance expression used to determine if the specified BES Baseline component is applicable on a client computer. Win:7.0 |
| source fixlet of <bes baseline component> | <i>Plain</i> | <bes fixlet> | Returns the BES Fixlet(s) associated with the specified BES Baseline component. Win:7.0 |

| Key Phrase | Form | Return Type | Description |
|--|--------------|--------------------|--|
| unknown computer count of <bes baseline component> | <i>Plain</i> | <integer> | Returns the number of unknown computers associated with the specified baseline component. Win:7.0 |
| unknown computer set of <bes baseline component> | <i>Plain</i> | <bes computer set> | Returns the unknown computers associated with the specified baseline component. The list is formatted as a set for mathematical manipulations, included intersections and unions. Win:7.0 |

BES Baseline Component Group

Baselines provide a method of grouping Actions from multiple Fixlets, Tasks, or other Baselines. Once a Baseline is defined (in the BES Console) the Actions are all grouped for simultaneous application. This technique allows you to form natural groupings of Actions for a single-click deployment.

Creation Methods

| Key Phrase | Form | Description |
|---------------------------------|--------------|---|
| component group of <bes fixlet> | <i>Plain</i> | If the specified Fixlet message is a baseline, then this Inspector iterates over the component groups. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|---|--------------|--------------------------|--|
| component of <bes baseline component group> | <i>Plain</i> | <bes baseline component> | Returns a list of the components of the specified BES Baseline component group. Win:7.0 |
| name of <bes baseline component group> | <i>Plain</i> | <string> | Returns the name(s) of the specified BES Baseline component group(s). Win:7.0 |

BES Client Setting

These Inspectors return the name, value and scope of BES Client settings. These are named variables that are used to report on and control various client behaviors.

Creation Methods

| Key Phrase | Form | Description |
|----------------------------------|--------------|--|
| client setting of <bes computer> | <i>Plain</i> | Returns the client setting(s) for the specified computer. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|-------------------------------|--------------|-------------|---|
| name of <bes client setting> | <i>Plain</i> | <string> | Returns the name of the specified BES client setting. Win:7.0 |
| scope of <bes client setting> | <i>Plain</i> | <string> | Depending on the scope of the specified Client setting, returns 'Local' or a site URL. Win:7.0 |
| value of <bes client setting> | <i>Plain</i> | <string> | Returns the value associated with the specified BES Client setting. Win:7.0 |

Examples

- (name of it, scope of it, value of it) of client settings of bes computers
- ▶ Returns a list containing the name, scope and value for each of the BES Client settings for each of the BES computers.

BES Comment

These Inspectors return the text, timestamp and author of BES Comments.

Creation Methods

| Key Phrase | Form | Description |
|-------------------------|--------------|--|
| comment of <bes action> | <i>Plain</i> | Returns the comment associated with the specified BES Action. Win:7.0 |

| Key Phrase | Form | Description |
|---------------------------|--------------|---|
| comment of <bes computer> | <i>Plain</i> | Returns the comments assigned to the specified BES Computer. Win:7.0 |
| comment of <bes fixlet> | <i>Plain</i> | Returns the comments assigned to the specified BES Fixlet message. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|-------------------------------|--------------|-------------|--|
| author of <bes comment> | <i>Plain</i> | <bes user> | Returns the author of the specified BES Comment. Win:7.0 |
| deleted flag of <bes comment> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES Comment has been deleted. Win:7.0 |
| text of <bes comment> | <i>Plain</i> | <string> | Returns the text of the specified BES Comment. Win:7.0 |
| timestamp of <bes comment> | <i>Plain</i> | <time> | Returns the time that the specified BES Comment was posted. Win:7.0 |

Examples

- (name of author of it, text of it) of comments of bes fixlets
- ▶ Returns a list of all the comments attached to the BES Fixlets, along with the author's name.

BES Filter

These Inspectors return the filters, which represent the criteria used by the Find command (Ctrl-F in the BES Console). The filters are specific to computers, computer groups, Actions, Analyses, Baselines, Unmanaged Assets, Users, Tasks or Fixlets, and are appropriately flagged.

Creation Methods

| Key Phrase | Form | Description |
|------------|--------------------|---|
| bes filter | <i>PlainGlobal</i> | Returns the list of the global BES Filters, as created by the Find command (ctrl-F). Win:7.0 |

| Key Phrase | Form | Description |
|-----------------------------|-----------------------|---|
| bes filter <integer> | <i>NumberedGlobal</i> | Returns the filter with the specified ID. It is the same as "bes filter whose (id of it is <integer>)". Win:7.0 |
| element of <bes filter set> | <i>Plain</i> | Returns the unique elements of the specified <bes filter set>, removing duplicates and sorting by value. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|-------------------------------|--------------|------------------|--|
| action flag of <bes filter> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES Filter was designed for finding Actions. Win:7.0 |
| action set of <bes filter> | <i>Plain</i> | <bes action set> | Returns a filtered set of Actions. Given an Action filter that specifies "Name contains 'Custom Action'", this Inspector returns the set of BES Actions with 'Custom Action' in the name. Win:7.0 |
| analysis flag of <bes filter> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES Filter was designed for finding Analyses. Win:7.0 |
| analysis set of <bes filter> | <i>Plain</i> | <bes fixlet set> | Returns a filtered set of Analyses. Given an Analysis filter that specifies "Visibility equals Visible", this Inspector returns just the set of BES Analyses that are visible. Win:7.0 |
| baseline flag of <bes filter> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES Filter was designed for finding Baselines. Win:7.0 |
| baseline set of <bes filter> | <i>Plain</i> | <bes fixlet set> | Returns a filtered set of Baselines. Given a Baseline filter that specifies "Visibility equals Visible", this Inspector returns just the set of BES Baselines that are visible. Win:7.0 |
| computer flag of <bes filter> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES Filter was designed for finding computers. Win:7.0 |

| Key Phrase | Form | Return Type | Description |
|---|--------------|--------------------|--|
| computer group set of <bes filter> | <i>Plain</i> | <bes fixlet set> | Returns a filtered set of computer groups. Given a computer group filter that specifies "Name contains 'test'", this Inspector returns the set of computer groups that have 'test' in their name. Win:7.0 |
| computer set of <bes filter> | <i>Plain</i> | <bes computer set> | Returns a filtered set of Computers. Given a Computer filter that specifies "OS contains 'Win'", this Inspector returns the set of Windows Computers. Win:7.0 |
| fixlet flag of <bes filter> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES Filter was designed for finding Computers. Win:7.0 |
| fixlet set of <bes filter> | <i>Plain</i> | <bes fixlet set> | Returns a filtered set of Fixlets. Given a Fixlet filter that specifies "Visibility equals Globally Hidden", this Inspector returns just the set of BES Fixlets that are globally hidden. Win:7.0 |
| group flag of <bes filter> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES Filter was designed for finding computer groups. Win:7.0 |
| id of <bes filter> | <i>Plain</i> | <integer> | Returns the numeric ID unique to the specified BES filter. Win:7.0 |
| join by intersection flag of <bes filter> | <i>Plain</i> | <boolean> | Returns TRUE if the various find properties are intersected (included with ALL properties) in the specified filter. Win:7.0 |
| name of <bes filter> | <i>Plain</i> | <string> | Returns the name of the specified BES filter. Win:7.0 |
| private flag of <bes filter> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES filter is marked as private. Win:7.0 |
| set of <bes filter> | <i>Plain</i> | <bes filter set> | Converts the specified BES Filter list to a set that can be arithmetically manipulated. Win:7.0 |

| Key Phrase | Form | Return Type | Description |
|-------------------------------------|--------------|--------------------------------|---|
| task flag of <bes filter> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES Filter was designed for finding Tasks. Win:7.0 |
| task set of <bes filter> | <i>Plain</i> | <bes fixlet set> | Returns a filtered set of Tasks. Given a Task filter that specifies "Visibility equals Locally Hidden", this Inspector returns just the set of BES Tasks that are locally hidden. Win:7.0 |
| unique value of <bes filter> | <i>Plain</i> | <bes filter with multiplicity> | Returns the unique values of a given list of <bes filter> types, removing duplicates and sorting by value. Win:7.1 |
| unmanagedasset flag of <bes filter> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES Filter was designed for finding Unmanaged Assets. Win:7.0 |
| user flag of <bes filter> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES Filter was designed for finding Users. Win:7.0 |
| user set of <bes filter> | <i>Plain</i> | <bes user set> | Returns a filtered set of Console Operators. Given a Console Operator filter that specifies "Name contains Joe", this Inspector returns just the set of Console Operators named Joe. Win:7.0 |

Operators

| Key phrase | Return Type | Description |
|--|-------------|--|
| <bes filter set> contains <bes filter> | <boolean> | Returns TRUE if the specified filter set contains the given filter. Win:7.0 |
| <bes filter> = <bes filter> | <boolean> | Compares two BES Filter types and returns TRUE if they are equal. Win:7.1 |

Examples

- names of bes filters
- ▶ Returns a list of the currently defined BES Filters used in the Find (ctrl-F) commands.

- name of bes filter 2
- ▶ Returns the name of the second BES Filter (a saved Find command).
- size of (action set of bes filters)
- ▶ Returns the number of BES Filters that were designed for finding Actions.
- size of (set of bes filters)
- ▶ Returns the current number of defined and saved BES find filters.

BES Filter Set

These Inspectors return the iterated list of BES Filters, converted into a set to make it easy to do set arithmetic with the list.

Creation Methods

| Key Phrase | Form | Description |
|----------------------------------|--------------------|---|
| bes filter set | <i>PlainGlobal</i> | An iteration over the BES filters, represented as a mathematical set. Win:7.0 |
| intersection of <bes filter set> | <i>Plain</i> | Returns the intersection of multiple BES filter sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |
| set of <bes filter> | <i>Plain</i> | Creates a set from an iterated list of BES filters. This can be subjected to arithmetic set operations such as union and intersection. Win:7.0 |
| union of <bes filter set> | <i>Plain</i> | Returns the union of multiple BES filter sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|-----------------------------|--------------|--------------|---|
| element of <bes filter set> | <i>Plain</i> | <bes filter> | Returns the unique elements of the specified <bes filter set>, removing duplicates and sorting by value. Win:7.0 |

| Key Phrase | Form | Return Type | Description |
|----------------------------------|--------------|------------------|---|
| intersection of <bes filter set> | <i>Plain</i> | <bes filter set> | Returns the intersection of multiple BES filter sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |
| size of <bes filter set> | <i>Plain</i> | <integer> | Returns the number of unique BES Filters in the specified set. Win:7.0 |
| union of <bes filter set> | <i>Plain</i> | <bes filter set> | Returns the union of multiple BES filter sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |

Operators

| Key phrase | Return Type | Description |
|--|---------------------------|---|
| <bes filter set> {op} <bes filter set> | < <i>bes filter set</i> > | Operates on two sets of BES filters, where {op} is one of: -, *, +. Minus subtracts the elements of one set from the other, multiply performs an intersection and plus performs a union. Win:7.0 |
| <bes filter set> = <bes filter set> | < <i>boolean</i> > | Compares two sets of BES filters for equivalence. Win:7.0 |
| <bes filter set> contains <bes filter set> | < <i>boolean</i> > | Returns TRUE if the first filter set contains the second. Win:7.0 |
| <bes filter set> contains <bes filter> | < <i>boolean</i> > | Returns TRUE if the specified filter set contains the given filter. Win:7.0 |

BES Filter with Multiplicity

These Inspectors deal with arrays of bes filters, allowing you to pluck out unique filters and count them. These objects are derived from ordinary bes filters.

Creation Methods

| Key Phrase | Form | Description |
|------------------------------|--------------|---|
| unique value of <bes filter> | <i>Plain</i> | Returns the unique values of a given list of <bes filter> types, removing duplicates and sorting by value. Win:7.1 |

Properties

| Key Phrase | Form | Return Type | Description |
|--|--------------|-------------|--|
| multiplicity of <bes filter with multiplicity> | <i>Plain</i> | <integer> | Sorts the list and returns the multiplicity, or count, of each unique element in the specified list of multiple <bes filter> types. Win:7.1 |

BES Unmanagedasset

These Inspectors provide access to externally sourced data, such as that derived from Nmap scans on client computers. The results, such as OS, Device Type, Network Card Vendor, and Open Ports, are uploaded to the BES Server for storage and analysis. These Inspectors provide a way to monitor and report on mobile or hand-held devices that are not traditional BES Clients, but instead use "microAgents" to report their status. For more information on currently supported devices, consult the BigFix support pages.

Creation Methods

| Key Phrase | Form | Description |
|-------------------------------------|--------------------|--|
| asset of <bes unmanagedasset field> | <i>Plain</i> | Returns an asset (containing a name / value pair) from the specified BES unmanaged asset field. Win:7.0 |
| bes unmanagedasset | <i>PlainGlobal</i> | Returns a list of all the Unmanaged Assets currently defined in BES. Win:7.0 |

| Key Phrase | Form | Description |
|------------------------|--------------------|--|
| current unmanagedasset | <i>PlainGlobal</i> | Returns the unmanaged asset that is currently selected in the BES Console from the right-click context menu under the Unmanaged Assets tab. This Inspector is designed to assist you in the creation of extended Context Menu applications. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|---|--------------------------|----------------------------|---|
| client installed flag of <bes unmanagedasset> | <i>Plain</i> | <boolean> | Returns TRUE if the specified unmanaged asset is running the BES Client. Win:7.0 |
| field of <bes unmanagedasset> | <i>Plain</i> | <bes unmanagedasset field> | Returns a list of the fields from the specified BES Unmanaged Asset. Win:7.0 |
| id of <bes unmanagedasset> | <i>Plain</i> | <integer> | Returns the unique numeric ID of the given unmanaged asset. Win:7.0 |
| link <html> of <bes unmanagedasset> | <i>Index<html></i> | <html> | Returns an HTML string containing an <A> tag including the supplied HTML description that, when clicked, will open the specified unmanaged asset (in the BES Console) or its description page (in Web Reports). Win:7.0 |
| link <string> of <bes unmanagedasset> | <i>Named</i> | <html> | Returns an HTML string containing an <A> tag including the supplied descriptive string that, when clicked, will open the specified unmanaged asset (in the BES Console) or its description page (in Web Reports). Win:7.0 |
| link href of <bes unmanagedasset> | <i>Plain</i> | <string> | The link href property does not return an <A> tag but rather returns the value of the href attribute of the <A> tag that would be constructed by the other link inspectors. This allows you to create more flexible linking formats. (See link of <bes unmanaged asset>). Note that link href returns a normal string, not an HTML string. Win:7.0 |

| Key Phrase | Form | Return Type | Description |
|--------------------------------|-------|-------------|---|
| link of <bes unmanagedasset> | Plain | <html> | Returns an HTML string containing an <A> tag that when clicked will open the specified BES unmanaged asset document (in the BES Console) or its description page (in Web Reports). Win:7.0 |
| source of <bes unmanagedasset> | Plain | <string> | Returns the source of the specified Unmanaged Asset as a string value. Win:7.0 |

Examples

- (values of fields whose (name of it is "Hostname")) of bes unmanagedassets whose (not client installed flag of it)
 - ▶ Returns the hostnames of all devices that are running windows but are not running the BES Client.
- (name of it & " - " & value of it) of fields of bes unmanagedasset whose (id of it is 55)
 - ▶ Outputs a list of name/value pairs for each field in the specified BES Unmanaged Asset, for instance:
 - IP Address - 10.10.42.1
 - Hostname - Donald.

BES Unmanagedasset Field

These Inspectors provide authors with access to the individual fields of various unmanaged assets. Each field consists of a name / value pair, analogous to BES properties. There are three types of fields:

- IdentifyingField: Each asset must have one IdentifyingField, such as a MAC Address, which is used to identify and correlate different reports from the same asset.
- FilterableField: These are displayed in the Console in both the Unmanaged Asset list and the unmanaged asset document, allowing sorting and filtering.
- NonFilterable: These are only displayed in the Unmanaged Assets document, and typically return a large amount of data, such as a list of vulnerabilities.

Creation Methods

| Key Phrase | Form | Description |
|-------------------------------|-------|---|
| field of <bes unmanagedasset> | Plain | Returns a list of the fields from the specified BES Unmanaged Asset. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|---|--------------|----------------------|---|
| asset of <bes unmanagedasset field> | <i>Plain</i> | <bes unmanagedasset> | Returns an asset (containing a name / value pair) from the specified BES unmanaged asset field. Win:7.0 |
| editable flag of <bes unmanagedasset field> | <i>Plain</i> | <boolean> | Returns TRUE if the specified BES Unmanaged Asset is editable. Win:7.0 |
| filterable flag of <bes unmanagedasset field> | <i>Plain</i> | <boolean> | Returns TRUE if the specified asset field is filterable. Fields that are filterable will show up in the Unmanaged Assets list, allowing you to sort and filter them. Win:7.0 |
| name of <bes unmanagedasset field> | <i>Plain</i> | <string> | Returns the name of the specified BES unmanaged asset field. Win:7.0 |
| value of <bes unmanagedasset field> | <i>Plain</i> | <string> | Returns the value (as a <string>) of the specified BES Unmanaged Asset field. Win:7.0 |

Examples

- (name of it & " - " & value of it) of fields of bes unmanagedasset whose (id of it is 55)
- ▶ Outputs a list of name/value pairs for each field in the specified BES Unmanaged Asset, for instance:
 - IP Address - 10.10.42.1
 - Hostname - Donald.

BES User

These Inspectors let you keep track of the users authorized to use the BES Console. You can iterate over the users, producing lists containing information such as the name and authorization level.

Creation Methods

| Key Phrase | Form | Description |
|---------------------------------|--------------|---|
| administrator of <bes computer> | <i>Plain</i> | Iterates over the users who have administrative rights on this computer. Win:7.0 |

| Key Phrase | Form | Description |
|-------------------------------|--------------------|--|
| author of <bes comment> | <i>Plain</i> | Returns the author of the specified BES Comment. Win:7.0 |
| bes user | <i>PlainGlobal</i> | Returns a list of all the BES users. Win:6.0 |
| creator of <bes site> | <i>Plain</i> | Returns the <bes user> who created the specified custom site. Does not exist for External, Master or Operator sites. Win:7.0 |
| current console user | <i>PlainGlobal</i> | Returns a user object for the user currently logged into the BES Console. Win:6.0 |
| element of <bes user set> | <i>Plain</i> | Returns the unique elements of the specified <bes user set>, removing duplicates and sorting by value. Win:7.0 |
| explicit owner of <bes site> | <i>Plain</i> | Returns a list of BES users that have been granted ownership of the specified site. Notice that the creator of this site is not included in the owner list. <ul style="list-style-type: none"> • Note: This is a Console-only Inspector. Win:7.1 |
| explicit reader of <bes site> | <i>Plain</i> | Returns a list of BES users that have been granted reading privileges on the specified site. Notice that the creator, owners (unless explicitly added) and writers of this site are not included in this reader list. <ul style="list-style-type: none"> • Note: This is a Console-only Inspector. Win:7.1 |
| explicit writer of <bes site> | <i>Plain</i> | Returns a list of BES users that have been granted writing privileges on the specified site. Notice that the creator and owners (unless explicitly added) of this site are not included in this reader list. <ul style="list-style-type: none"> • Note: This is a Console-only Inspector. Win:7.1 |
| issuer of <bes action> | <i>Plain</i> | Returns the BES user object corresponding to the issuer of the specified action. Win:6.0 |
| issuer of <bes activation> | <i>Plain</i> | Returns the <bes user> object corresponding to the user who issued the specified activation. Win:6.0 |

| Key Phrase | Form | Description |
|-------------------------|--------------|---|
| issuer of <bes fixlet> | <i>Plain</i> | Returns the <bes user> object corresponding to the author of the specified fixlet. Win:6.0 |
| owner of <bes site> | <i>Plain</i> | Returns a list of BES users that have been granted ownership of the specified site. Notice that the creator of this site is not included in the owner list. • Note: This is a Console-only Inspector. Win:7.0 |
| reader of <bes site> | <i>Plain</i> | Returns a list of BES users that have been granted reading privileges on the specified site. Notice that the creator, owners (unless explicitly added) and writers of this site are not included in this reader list. • Note: This is a Console-only Inspector. Win:7.0 |
| stopper of <bes action> | <i>Plain</i> | If the specified action has been stopped, this Inspector returns the user who stopped it. Win:7.0 |
| writer of <bes site> | <i>Plain</i> | Returns a list of BES users that have been granted writing privileges on the specified site. Notice that the creator and owners (unless explicitly added) of this site are not included in this reader list. • Note: This is a Console-only Inspector. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|--|----------------------------------|--------------------|--|
| administered computer of <bes user> | <i>Plain</i> | <bes computer> | Iterates and returns a list of the computers that are administered by the specified BES user. Win:7.0 |
| administered computer set of <bes user> | <i>Plain</i> | <bes computer set> | Returns the set of computers that are administerable by the specified BES user. Win:7.0 |
| administrator <bes computer> of <bes user> | <i>Index<bes computer></i> | <boolean> | Returns TRUE if the specified user is an administrator of the given computers. Win:7.0 |

| Key Phrase | Form | Return Type | Description |
|-----------------------------------|--------------------------|------------------|--|
| creation time of <bes user> | <i>Plain</i> | <time> | Returns the time when the specified user was created. Win:6.0 |
| custom content flag of <bes user> | <i>Plain</i> | <boolean> | Returns TRUE if the user has been granted the privilege to author custom content/actions. Win:6.0 |
| issued action of <bes user> | <i>Plain</i> | <bes action> | Returns all actions, including hidden actions, issued by the specified user. Win:7.0 |
| issued action set of <bes user> | <i>Plain</i> | <bes action set> | Returns all actions, including hidden actions, issued by the specified user. This list is formatted as a mathematical set. Win:7.0 |
| last login time of <bes user> | <i>Plain</i> | <time> | Returns the time of the specified user's most recent database login. Win:6.0 |
| link <html> of <bes user> | <i>Index<html></i> | <html> | Returns an HTML string containing an <A> tag including the supplied HTML description that, when clicked, will open the specified user document (in the BES Console) or its description page (in Web Reports). Win:6.0 |
| link <string> of <bes user> | <i>Named</i> | <html> | Returns an HTML string containing an <A> tag including the supplied descriptive string that, when clicked, will open the given user document (in the BES Console) or description page (in Web Reports). Win:6.0 |
| link href of <bes user> | <i>Plain</i> | <string> | The link href property does not return an <A> tag but rather returns the value of the href attribute of the <A> tag that would be constructed by the other link inspectors. This allows you to create more flexible linking formats. (See link of <bes user>). Note that link href returns a normal string, not an HTML string. Win:6.0 |
| link of <bes user> | <i>Plain</i> | <html> | Returns an HTML string containing an <A> tag that when clicked will open the specified user document (in the BES Console) or its description page (in Web Reports). Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|---|--------------|------------------------------|---|
| master flag of <bes user> | <i>Plain</i> | <boolean> | Returns TRUE if the user is a master administrator. Win:6.0 |
| name of <bes user> | <i>Plain</i> | <string> | Returns the name of the specified BES user (database login name). Win:6.0 |
| set of <bes user> | <i>Plain</i> | <bes user set> | Converts the specified BES User list to a set that can be arithmetically manipulated. Win:7.0 |
| unique value of <bes user> | <i>Plain</i> | <bes user with multiplicity> | Returns the unique values of a given list of <bes user> types, removing duplicates and sorting by value. Win:7.1 |
| unmanagedasset privilege scanpoint flag of <bes user> | <i>Plain</i> | <boolean> | When you create or edit a user, you specify whether they can see all unmanaged assets, none, or only those that were scanned by a computer which the user manages. This Inspector returns TRUE if the "scanpoint only" option is set for the specified user. Win:7.0 |
| unmanagedasset privilege showall flag of <bes user> | <i>Plain</i> | <boolean> | When you create or edit a user, you specify whether they can see all unmanaged assets, none, or only those that were scanned by a computer which the user manages. This Inspector returns TRUE if all assets are visible for the specified user. Win:7.0 |
| unmanagedasset privilege shownone flag of <bes user> | <i>Plain</i> | <boolean> | When you create or edit a user, you specify whether they can see all unmanaged assets, none, or only those that were scanned by a computer which the user manages. This Inspector returns TRUE if no assets are visible the specified user. Win:7.0 |

Operators

| Key phrase | Return Type | Description |
|-------------------------|-------------|--|
| <bes user> = <bes user> | <boolean> | Compares two BES Users. Win:7.0 |

Examples

■ (name of item 0 of it, size of item 1 of it) of (it, sets of items 1 of (it, bes fixlets) whose (issuer of item 1 of it = item 0 of it)) of bes users

▶ Returns a list of the names of the current BES Users and the number of Fixlets each one has issued.

■ links (h1 of name of it) of bes users

▶ Returns a list of HTML strings, each with an HTML link named after the user and formatted as a header (h1).

■ links (name of it & "(" & master flag of it as string & ")") of bes users

▶ Returns an HTML string that will print the name and master status of the user inside a clickable <A> tag.

■ (br & html "Click here to open user " & name of it as string) of bes users

▶ Returns an html string such as 'Click here to open user John' message that, when clicked, will open the corresponding BES user document.

■ links of bes users

▶ Returns a list of all the BES users formatted as links in an HTML string.

■ size of (set of bes users)

▶ Returns the current number of BES users.

BES User Set

These Inspectors iterate over the current set of BES users and package them as a mathematical set, suitable for further set manipulation.

Creation Methods

| Key Phrase | Form | Description |
|-------------------------------------|--------------------|--|
| administrator set of <bes computer> | <i>Plain</i> | Returns the set of users who have administrative rights on this computer. Win:7.0 |
| bes user set | <i>PlainGlobal</i> | An iteration over the BES Users, represented as a mathematical set. Win:7.0 |
| explicit owner set of <bes site> | <i>Plain</i> | Returns the set of BES users who are owners (an iterated list) of the specified BES site. Win:7.1 |

| Key Phrase | Form | Description |
|-----------------------------------|--------------|---|
| explicit reader set of <bes site> | <i>Plain</i> | Returns the set of BES users who have read rights (the iterated list) on the specified BES custom site. Win:7.1 |
| explicit writer set of <bes site> | <i>Plain</i> | Returns the set of BES users who have write permissions (as an iterated list) on the specified BES site. Win:7.1 |
| intersection of <bes user set> | <i>Plain</i> | Returns the intersection of multiple BES User sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |
| owner set of <bes site> | <i>Plain</i> | Returns the set of BES users who are owners (an iterated list) of the specified BES site. Win:7.0 |
| reader set of <bes site> | <i>Plain</i> | Returns the set of BES users who have read rights (the iterated list) on the specified BES custom site. Win:7.0 |
| set of <bes user> | <i>Plain</i> | Creates a set from an iterated list of BES Users. This can be subjected to arithmetic set operations such as union and intersection. Win:7.0 |
| union of <bes user set> | <i>Plain</i> | Returns the union of multiple BES User sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |
| user set of <bes filter> | <i>Plain</i> | Returns a filtered set of Console Operators. Given a Console Operator filter that specifies "Name contains Joe", this Inspector returns just the set of Console Operators named Joe. Win:7.0 |
| writer set of <bes site> | <i>Plain</i> | Returns the set of BES users who have write permissions (as an iterated list) on the specified BES site. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|--------------------------------|--------------|----------------|---|
| element of <bes user set> | <i>Plain</i> | <bes user> | Returns the unique elements of the specified <bes user set>, removing duplicates and sorting by value. Win:7.0 |
| intersection of <bes user set> | <i>Plain</i> | <bes user set> | Returns the intersection of multiple BES User sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |
| size of <bes user set> | <i>Plain</i> | <integer> | Returns the number of unique BES Users in the specified set. Win:7.0 |
| union of <bes user set> | <i>Plain</i> | <bes user set> | Returns the union of multiple BES User sets. The arguments to this Inspector are typically plural values or iterations, but you can also compose such a set by separating singlet values with semicolons. Win:7.0 |

Operators

| Key phrase | Return Type | Description |
|------------------------------------|-------------------------|---|
| <bes user set> {op} <bes user set> | < <i>bes user set</i> > | Operates on two sets of BES Users, where {op} is one of: -, *, +. Minus subtracts the elements of one set from the other, multiply performs an intersection and plus performs a union. Win:7.0 |
| <bes user set> = <bes user set> | < <i>boolean</i> > | Compares two sets of BES Users for equivalence. Win:7.0 |

BES User with Multiplicity

These Inspectors deal with arrays of bes users, allowing you to pluck out unique users and count them. These objects are derived from ordinary bes users.

Creation Methods

| Key Phrase | Form | Description |
|----------------------------|--------------|---|
| unique value of <bes user> | <i>Plain</i> | Returns the unique values of a given list of <bes user> types, removing duplicates and sorting by value. Win:7.1 |

Properties

| Key Phrase | Form | Return Type | Description |
|--|--------------|-------------|--|
| multiplicity of <bes user with multiplicity> | <i>Plain</i> | <integer> | Sorts the list and returns the multiplicity, or count, of each unique element in the specified list of multiple <bes user> types. Win:7.1 |

Utf8 String

UTF-8 (8-bit Unicode Transformation Format) is a variable-length character encoding format. It can represent all the characters in the Unicode standard, but it remains backward-compatible with ASCII. These Inspectors are specifically designed for the EvaluateRelevance API as used by BES Wizards.

Creation Methods

| Key Phrase | Form | Description |
|-------------------------|-------------|--|
| <bes action set> as xml | <i>Cast</i> | Casts a BES Action set as an XML document, for submission to to the ImportXML API in the Console. It can only be used in the Console using the EvaluateRelevance API, not the <?relevance ?> interface. Win:7.0 |
| <bes action> as xml | <i>Cast</i> | Converts the specified BES Action to XML format, for submission to the EvaluateRelevance API used by the BES Console and Web Reports. Win:7.0 |

| Key Phrase | <i>Form</i> | Description |
|---------------------------------|-------------|---|
| <bes computer group set> as xml | <i>Cast</i> | <p>Converts the specified set of BES computer groups to XML format, for submission to the EvaluateRelevance API used by the BES Console and Web Reports.</p> <p>Win:7.0</p> |
| <bes computer group> as xml | <i>Cast</i> | <p>Converts the specified BES computer group to XML format, for submission to the EvaluateRelevance API used by the BES Console and Web Reports.</p> <p>Win:7.0</p> |
| <bes fixlet set> as xml | <i>Cast</i> | <p>Converts the specified set of BES Fixlets to XML format, for submission to the EvaluateRelevance API used by the BES Console and Web Reports.</p> <p>Win:7.0</p> |
| <bes fixlet> as xml | <i>Cast</i> | <p>Converts the specified BES Fixlet to XML format, for submission to the EvaluateRelevance API used by the BES Console and Web Reports.</p> <p>Win:7.0</p> |
| <bes property set> as xml | <i>Cast</i> | <p>Converts the specified set of BES Properties to XML format, for submission to the EvaluateRelevance API used by the BES Console and Web Reports.</p> <p>Win:7.0</p> |
| <bes property> as xml | <i>Cast</i> | <p>Converts the specified BES Property to XML format, for submission to the EvaluateRelevance API used by the BES Console and Web Reports.</p> <p>Win:7.0</p> |

BES Deployment Option

These options allow you to customize the behavior of your BES deployment. They are set by the system administrator in the BES Admin Tool, under the Advanced Options tab.

Creation Methods

| Key Phrase | Form | Description |
|--------------------------------|--------------------|--|
| bes deployment option | <i>PlainGlobal</i> | Returns the current deployment options as listed in the BES Admin Tool, under the Advanced Options tab. You can add your own name/value pairs to this list. Win:7.0 |
| bes deployment option <string> | <i>NamedGlobal</i> | Returns the value associated with the deployment option named by the <string>. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|--|--------------|-------------|---|
| database id of <bes deployment option> | <i>Plain</i> | <integer> | In the Web Reports environment, this Inspector returns the numeric ID of the database in which this BES deployment option resides. Win:7.0 |
| database name of <bes deployment option> | <i>Plain</i> | <string> | In the Web Reports environment, this Inspector returns the name of the database containing the specified BES deployment option. Win:7.0 |
| name of <bes deployment option> | <i>Plain</i> | <string> | Returns the name of the specified BES deployment option. Win:7.0 |
| value of <bes deployment option> | <i>Plain</i> | <string> | Returns the <string> value reported by this computer for the specified BES deployment option(s). Win:7.0 |

Examples

- (name of it, value of it) of bes deployment options
- ▶ Returns a list of the names and values of the current BES deployment options.

BES Wizard

These are Console-only Inspectors that return a list of the available BES Wizards.

Creation Methods

| Key Phrase | Form | Description |
|---------------------------------|--------------------|---|
| bes wizard | <i>PlainGlobal</i> | Returns a list of all the available BES Wizards. <ul style="list-style-type: none"> Note: This is a Console-only Inspector. Win:6.0 |
| current wizard | <i>PlainGlobal</i> | If this Inspector is being evaluated in the context of a Wizard, then it returns the corresponding <bes wizard> object. Win:6.0 |
| wizard of <bes wizard variable> | <i>Plain</i> | Returns the <bes wizard> object to which the specified variable belongs. You can use "dashboard id of wizard of <bes wizard variable>" to get the correct dashboard id to use with the Store/DeleteVariable script functions (private variables are CONSOLE only). Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|-------------------------------|--------------|-------------|--|
| charset of <bes wizard> | <i>Plain</i> | <string> | Returns the charset that should be used when displaying the specified Wizard. Win:6.0 |
| dashboard id of <bes wizard> | <i>Plain</i> | <string> | Returns an ID that can be used by Dashboards/Wizards to unambiguously identify stored variables. Win:7.0 |
| database id of <bes wizard> | <i>Plain</i> | <integer> | In the Web Reports environment, this Inspector returns the numeric ID of the database in which this BES Wizard resides. Win:6.0 |
| database name of <bes wizard> | <i>Plain</i> | <string> | Returns the name (as a string) of the database containing the specified BES Wizard. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|-----------------------------------|--------------------------|-------------|---|
| default page name of <bes wizard> | <i>Plain</i> | <string> | Returns the name of the first page to display when launching the specified Wizard. Win:6.0 |
| dialog flag of <bes wizard> | <i>Plain</i> | <boolean> | Returns TRUE if the specified Wizard launches in a dialog box. Win:6.0 |
| document flag of <bes wizard> | <i>Plain</i> | <boolean> | Returns TRUE if the specified Wizard launches in an MDI document window. Win:6.0 |
| link <html> of <bes wizard> | <i>Index<html></i> | <html> | Returns an HTML string containing an <A> tag including the supplied HTML description that, when clicked, will open the specified Wizard. • Note: This is a Console-only Inspector. Win:6.0 |
| link <string> of <bes wizard> | <i>Named</i> | <html> | Returns an HTML string containing an <A> tag including the supplied descriptive string that, when clicked, will open the specified Wizard. • Note: This is a Console-only Inspector. Win:6.0 |
| link href of <bes wizard> | <i>Plain</i> | <string> | The link href property does not return an <A> tag but rather returns the value of the href attribute of the <A> tag that would be constructed by the other link inspectors. This allows you to create more flexible linking formats. (See link of <bes wizard>). Notice that link href returns a normal string, not an HTML string. • Note: This is a Console-only Inspector. Win:6.0 |
| link of <bes wizard> | <i>Plain</i> | <html> | Returns an HTML string containing an <A> tag that when clicked will open the specified Wizard. • Note: This is a Console-only Inspector. Win:6.0 |
| menu path of <bes wizard> | <i>Plain</i> | <string> | Returns the path of the menu containing the menu item that launches the specified Wizard. Win:6.0 |
| name of <bes wizard> | <i>Plain</i> | <string> | Returns the name of the specified BES Wizard. • Note: This is a Console-only Inspector. Win:6.0 |

| Key Phrase | Form | Return Type | Description |
|---|--------------|-----------------------|--|
| navbar name of <bes wizard> | <i>Plain</i> | <string> | Returns the name of the specified BES Wizard as listed in the Navigation Bar. Win:6.0 |
| pre60 flag of <bes wizard> | <i>Plain</i> | <boolean> | Returns TRUE if this wizard is an "old" (prior to version 6.0) style of Wizard. Win:6.0 |
| private variable <string> of <bes wizard> | <i>Named</i> | <string> | Returns a string containing the value of the named private variable for the given BES Wizard. Win:7.0 |
| private variable of <bes wizard> | <i>Plain</i> | <bes wizard variable> | Iterates over all the variables for a Wizard, returning a <bes wizard variable> type for each private variable. Private variables are Console-only. Win:7.0 |
| requires authoring flag of <bes wizard> | <i>Plain</i> | <boolean> | Returns TRUE if access to the specified Wizard requires that the user have the 'Authoring' bit set in their credentials. Win:6.0 |
| shared variable <string> of <bes wizard> | <i>Named</i> | <string> | Returns a string containing the value of the named public or shared variable for the given BES Wizard. Win:7.0 |
| shared variable of <bes wizard> | <i>Plain</i> | <bes wizard variable> | Iterates over all the variables for a Wizard, returning a <bes wizard variable> type for each shared variable. Win:7.0 |
| site of <bes wizard> | <i>Plain</i> | <bes site> | Returns the site hosting the specified BES Wizard. Win:7.0 |
| url of <bes wizard> | <i>Plain</i> | <string> | Returns the URL of the specified Wizard. For ordinary Wizards, this is of the form "siteid:<id>,<filename>", but for Wizards that were added using the "Debug->Load Wizard..." dialog this is of the form "file:///<fullpath>". Win:6.0 |
| variable of <bes wizard> | <i>Plain</i> | <bes wizard variable> | Iterates over all the variables for a Wizard, returning a <bes wizard variable> type for each variable. Win:7.0 |

Examples

- `links (h1 of name of it) of bes wizards`
- ▶ Returns a list of HTML strings, each with an HTML link named for the Wizard and formatted as a header (h1).

- `links (name of it & "(" & dialog flag of it as string & ")") of bes wizards`
- ▶ Returns an HTML string that will print the name and dialog flag of the Wizard inside a clickable <A> tag.

- `(br & html "Click here to open wizard " & name of it as string) of bes wizards`
- ▶ Returns an html string such as 'Click here to open wizard Windows Registry Wizard' that, when clicked, will open the corresponding Wizard.

BES Wizard Variable

These are Console-only Inspectors that return a list of the available BES Wizard variables.

Creation Methods

| Key Phrase | Form | Description |
|----------------------------------|--------------|--|
| private variable of <bes wizard> | <i>Plain</i> | Iterates over all the variables for a Wizard, returning a <bes wizard variable> type for each private variable. Private variables are Console-only. Win:7.0 |
| shared variable of <bes wizard> | <i>Plain</i> | Iterates over all the variables for a Wizard, returning a <bes wizard variable> type for each shared variable. Win:7.0 |
| variable of <bes wizard> | <i>Plain</i> | Iterates over all the variables for a Wizard, returning a <bes wizard variable> type for each variable. Win:7.0 |

Properties

| Key Phrase | Form | Return Type | Description |
|---------------------------------------|--------------|-------------|---|
| name of <bes wizard variable> | <i>Plain</i> | <string> | Returns the name of the specified Wizard variable. Win:7.0 |
| private flag of <bes wizard variable> | <i>Plain</i> | <boolean> | Returns the private flag of the given <bes wizard variable> (private vars are CONSOLE only). Win:7.0 |

| Key Phrase | Form | Return Type | Description |
|---------------------------------|--------------|--------------|---|
| value of <bes wizard variable> | <i>Plain</i> | <string> | Returns the value of the given BES Wizard variable. Win:7.0 |
| wizard of <bes wizard variable> | <i>Plain</i> | <bes wizard> | Returns the <bes wizard> object to which the specified variable belongs. You can use "dashboard id of wizard of <bes wizard variable>" to get the correct dashboard id to use with the Store/DeleteVariable script functions (private variables are CONSOLE only). Win:7.0 |

BES Wakeonlan Status

These Windows Inspectors return the status of the BES WakeOnLan feature.

Creation Methods

| Key Phrase | Form | Description |
|----------------------|--------------------|--|
| bes wakeonlan status | <i>PlainGlobal</i> | Returns the current BES WakeOnLan status. Win:7.1 |

Properties

| Key Phrase | Form | Return Type | Description |
|---|--------------|-------------|---|
| database id of <bes wakeonlan status> | <i>Plain</i> | <integer> | Returns the integer ID corresponding to the Database with WoL. Win:7.1 |
| database name of <bes wakeonlan status> | <i>Plain</i> | <string> | Returns the name(s) corresponding to the Database with WoL. Win:7.1 |
| enabled of <bes wakeonlan status> | <i>Plain</i> | <boolean> | Returns TRUE if the BES WakeOnLan status is currently enabled. Win:7.1 |

Examples

- (database id of it, enabled of it) of bes wakeonlan statuses
- ▶ Returns a list of database IDs and the WoL status for each, such as:

- 1, True
- 2, False.

BES Server

These Inspectors return information about the BES Server, allowing Dashboards and Web Reports to access files and other information from the BES database.

Creation Methods

| Key Phrase | Form | Description |
|--------------------|--------------------|---|
| current bes server | <i>PlainGlobal</i> | Returns a <bes server> object corresponding to the BES Server currently connected to the Console or Web Reports applications. The current bes server Inspectors allow dashboards to access files hosted on the current BES Server. Win:7.2 |

Properties

| Key Phrase | Form | Return Type | Description |
|-------------------------------|--------------|-------------|--|
| database id of <bes server> | <i>Plain</i> | <integer> | Returns the integer database ID corresponding to the specified BES Server. Win:7.2 |
| database name of <bes server> | <i>Plain</i> | <string> | Returns the database name (as a <string>) corresponding to the specified BES Server. Win:7.2 |
| url of <bes server> | <i>Plain</i> | <string> | Returns the URL of the specified BES Server, providing access to any files hosted on that server. Win:7.2 |

Key Phrases (Inspectors)

This chapter provides an alphabetical list of the Inspector keywords and their casting operators. Both lists include the context object type (From an object), and the resulting object type (Creates an object). These lists are not all-inclusive; they only include those Inspectors that are relevant to the context of the current Guide.

Key phrases

This is a list of the key phrases relevant to this document, sorted alphabetically.

| Key Phrase | Plural | Creates a | From a | Form |
|------------------------------------|-----------------|---------------------|--------------------------|-----------------|
| abbr <string> of <html> | abbrs | <html> | <html> | <i>Named</i> |
| abbr <string> of <string> | abbrs | <html> | <string> | <i>Named</i> |
| abbr of <html> | abbrs | <html> | <html> | <i>Plain</i> |
| abbr of <string> | abbrs | <html> | <string> | <i>Plain</i> |
| absolute value of <hertz> | absolute values | <hertz> | <hertz> | <i>Plain</i> |
| absolute value of <integer> | absolute values | <integer> | <integer> | <i>Plain</i> |
| absolute value of <time interval> | absolute values | <time interval> | <time interval> | <i>Plain</i> |
| acronym <string> of <html> | acronyms | <html> | <html> | <i>Named</i> |
| acronym <string> of <string> | acronyms | <html> | <string> | <i>Named</i> |
| acronym of <html> | acronyms | <html> | <html> | <i>Plain</i> |
| acronym of <string> | acronyms | <html> | <string> | <i>Plain</i> |
| action <integer> of <bes fixlet> | actions | <bes fixlet action> | <bes fixlet> | <i>Numbered</i> |
| action <string> of <bes fixlet> | actions | <bes fixlet action> | <bes fixlet> | <i>Named</i> |
| action flag of <bes filter> | action flags | <boolean> | <bes filter> | <i>Plain</i> |
| action of <bes action result> | actions | <bes action> | <bes action result> | <i>Plain</i> |
| action of <bes baseline component> | actions | <bes fixlet action> | <bes baseline component> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|----------------------------|----------------------|------------------|---|
| action of <bes fixlet> | actions | <bes fixlet action> | <bes fixlet> | Plain |
| action result of <bes computer> | action results | <bes action result> | <bes computer> | Plain |
| action script of <bes action> | action scripts | <string> | <bes action> | Plain |
| action script type of <bes action> | action script types | <string> | <bes action> | Plain |
| action set of <bes filter> | action sets | <bes action set> | <bes filter> | Plain |
| activation of <bes fixlet> | activations | <bes activation> | <bes fixlet> | Plain |
| active directory path of <bes computer> | active directory paths | <distinguished name> | <bes computer> | Plain |
| active flag of <bes activation> | active flags | <boolean> | <bes activation> | Plain |
| address <string> of <html> | address | <html> | <html> | Named |
| address <string> of <string> | address | <html> | <string> | Named |
| address of <html> | address | <html> | <html> | Plain |
| address of <string> | address | <html> | <string> | Plain |
| administered computer of <bes user> | administered computers | <bes computer> | <bes user> | Plain |
| administered computer set of <bes user> | administered computer sets | <bes computer set> | <bes user> | Plain |
| administrator <(bes computer, bes user)> | administrators | <boolean> | <world> | Index<(bes computer, bes user)>Global |
| administrator <(bes user, bes computer)> | administrators | <boolean> | <world> | Index<(bes user, bes computer)>Global |
| administrator <bes computer> of <bes user> | administrators | <boolean> | <bes user> | Index<bes computer> |
| administrator <bes user> of <bes computer> | administrators | <boolean> | <bes computer> | Index<bes user> |
| administrator of <bes computer> | administrators | <bes user> | <bes computer> | Plain |

| Key Phrase | Plural | Creates a | From a | Form |
|---|----------------------------|-----------------------------|--------------------------|--------------------|
| administrator set of <bes computer> | administrator sets | <bes user set> | <bes computer> | <i>Plain</i> |
| all bes site | all bes sites | <bes site> | <world> | <i>PlainGlobal</i> |
| all computer count | all computer counts | <historical computer count> | <world> | <i>PlainGlobal</i> |
| all fixlet count | all fixlet counts | <historical fixlet count> | <world> | <i>PlainGlobal</i> |
| analysis flag of <bes filter> | analysis flags | <boolean> | <bes filter> | <i>Plain</i> |
| analysis flag of <bes fixlet> | analysis flags | <boolean> | <bes fixlet> | <i>Plain</i> |
| analysis flag of <bes property> | analysis flags | <boolean> | <bes property> | <i>Plain</i> |
| analysis of <bes activation> | analyses | <bes fixlet> | <bes activation> | <i>Plain</i> |
| analysis set of <bes filter> | analysis sets | <bes fixlet set> | <bes filter> | <i>Plain</i> |
| anchor <string> of <html> | anchors | <html> | <html> | <i>Named</i> |
| anchor <string> of <string> | anchors | <html> | <string> | <i>Named</i> |
| anchor of <html> | anchors | <html> | <html> | <i>Plain</i> |
| anchor of <string> | anchors | <html> | <string> | <i>Plain</i> |
| applicability relevance of <bes action> | applicability relevances | <string> | <bes action> | <i>Plain</i> |
| applicable computer count of <bes baseline component> | applicable computer counts | <integer> | <bes baseline component> | <i>Plain</i> |
| applicable computer count of <bes fixlet> | applicable computer counts | <integer> | <bes fixlet> | <i>Plain</i> |
| applicable computer of <bes fixlet> | applicable computers | <bes computer> | <bes fixlet> | <i>Plain</i> |
| applicable computer set of <bes baseline component> | applicable computer sets | <bes computer set> | <bes baseline component> | <i>Plain</i> |
| applicable computer set of <bes fixlet> | applicable computer sets | <bes computer set> | <bes fixlet> | <i>Plain</i> |
| apply count of <bes action result> | apply counts | <integer> | <bes action result> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|-----------------|----------------------|----------------------------|-----------------------|
| april | aprils | <month> | <world> | <i>PlainGlobal</i> |
| april <integer> | aprils | <day of year> | <world> | <i>NumberedGlobal</i> |
| april <integer> of <integer> | aprils | <date> | <integer> | <i>Numbered</i> |
| april of <integer> | aprils | <month and year> | <integer> | <i>Plain</i> |
| asset of <bes unmanagedasset field> | assets | <bes unmanagedasset> | <bes unmanagedasset field> | <i>Plain</i> |
| attribute <integer> of <xml dom node> | attributes | <xml dom node> | <xml dom node> | <i>Numbered</i> |
| attribute <string> of <xml dom node> | attributes | <xml dom node> | <xml dom node> | <i>Named</i> |
| attribute of <xml dom node> | attributes | <xml dom node> | <xml dom node> | <i>Plain</i> |
| august | augusts | <month> | <world> | <i>PlainGlobal</i> |
| august <integer> | augusts | <day of year> | <world> | <i>NumberedGlobal</i> |
| august <integer> of <integer> | augusts | <date> | <integer> | <i>Numbered</i> |
| august of <integer> | augusts | <month and year> | <integer> | <i>Plain</i> |
| author of <bes comment> | authors | <bes user> | <bes comment> | <i>Plain</i> |
| automatic flag of <bes computer group> | automatic flags | <boolean> | <bes computer group> | <i>Plain</i> |
| b <string> of <html> | bs | <html> | <html> | <i>Named</i> |
| b <string> of <string> | bs | <html> | <string> | <i>Named</i> |
| b of <html> | bs | <html> | <html> | <i>Plain</i> |
| b of <string> | bs | <html> | <string> | <i>Plain</i> |
| base <string> of <html> | bases | <html> | <html> | <i>Named</i> |
| base <string> of <string> | bases | <html> | <string> | <i>Named</i> |
| base of <html> | bases | <html> | <html> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|--|------------------------|---------------|--------------------|
| base of <string> | bases | <html> | <string> | <i>Plain</i> |
| baseline flag of <bes filter> | baseline flags | <boolean> | <bes filter> | <i>Plain</i> |
| baseline flag of <bes fixlet> | baseline flags | <boolean> | <bes fixlet> | <i>Plain</i> |
| baseline set of <bes filter> | baseline sets | <bes fixlet set> | <bes filter> | <i>Plain</i> |
| bes action | bes actions | <bes action> | <world> | <i>PlainGlobal</i> |
| bes action set | bes action sets | <bes action set> | <world> | <i>PlainGlobal</i> |
| bes action status constrained | bes action statuses constrained | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes action status download failed | bes action statuses download failed | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes action status error | bes action statuses error | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes action status evaluating | bes action statuses evaluating | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes action status expired | bes action statuses expired | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes action status failed | bes action statuses failed | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes action status fixed | bes action statuses fixed | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes action status invalid signature | bes action statuses invalid signature | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes action status irrelevant | bes action statuses irrelevant | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes action status locked | bes action statuses locked | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes action status offers disabled | bes action statuses offers disabled | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes action status pending downloads | bes action statuses pending downloads | <bes action status> | <world> | <i>PlainGlobal</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|-----------------------------------|-------------------------------------|--------------------------|---------|--------------------|
| bes action status pending login | bes action statuses pending login | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes action status pending message | bes action statuses pending message | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes action status pending offer | bes action statuses pending offer | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes action status pending restart | bes action statuses pending restart | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes action status postponed | bes action statuses postponed | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes action status running | bes action statuses running | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes action status unreported | bes action statuses unreported | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes action status user cancelled | bes action statuses user cancelled | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes action status waiting | bes action statuses waiting | <bes action status> | <world> | <i>PlainGlobal</i> |
| bes brand | bes brands | <string> | <world> | <i>PlainGlobal</i> |
| bes computer | bes computers | <bes computer> | <world> | <i>PlainGlobal</i> |
| bes computer group | bes computer groups | <bes computer group> | <world> | <i>PlainGlobal</i> |
| bes computer group set | bes computer group sets | <bes computer group set> | <world> | <i>PlainGlobal</i> |
| bes computer set | bes computer sets | <bes computer set> | <world> | <i>PlainGlobal</i> |
| bes custom site | bes custom sites | <bes site> | <world> | <i>PlainGlobal</i> |
| bes deployment option | bes deployment options | <bes deployment option> | <world> | <i>PlainGlobal</i> |
| bes deployment option <string> | bes deployment options | <bes deployment option> | <world> | <i>NamedGlobal</i> |
| bes filter | bes filters | <bes filter> | <world> | <i>PlainGlobal</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|------------------------------------|------------------------|------------------------|-------------------|--------------------------|
| bes filter <integer> | bes filters | <bes filter> | <world> | <i>NumberedGlobal</i> |
| bes filter set | bes filter sets | <bes filter set> | <world> | <i>PlainGlobal</i> |
| bes fixlet | bes fixlets | <bes fixlet> | <world> | <i>PlainGlobal</i> |
| bes fixlet set | bes fixlet sets | <bes fixlet set> | <world> | <i>PlainGlobal</i> |
| bes license | bes licenses | <license> | <world> | <i>PlainGlobal</i> |
| bes property | bes properties | <bes property> | <world> | <i>PlainGlobal</i> |
| bes property <string> | bes properties | <bes property> | <world> | <i>NamedGlobal</i> |
| bes property set | bes property sets | <bes property set> | <world> | <i>PlainGlobal</i> |
| bes site | bes sites | <bes site> | <world> | <i>PlainGlobal</i> |
| bes unmanagedasset | bes unmanagedassets | <bes unmanagedasset> | <world> | <i>PlainGlobal</i> |
| bes user | bes users | <bes user> | <world> | <i>PlainGlobal</i> |
| bes user set | bes user sets | <bes user set> | <world> | <i>PlainGlobal</i> |
| bes wakeonlan status | bes wakeonlan statuses | <bes wakeonlan status> | <world> | <i>PlainGlobal</i> |
| bes wizard | bes wizards | <bes wizard> | <world> | <i>PlainGlobal</i> |
| best activation of <bes fixlet> | best activations | <bes activation> | <bes fixlet> | <i>Plain</i> |
| big <string> of <html> | big | <html> | <html> | <i>Named</i> |
| big <string> of <string> | big | <html> | <string> | <i>Named</i> |
| big of <html> | big | <html> | <html> | <i>Plain</i> |
| big of <string> | big | <html> | <string> | <i>Plain</i> |
| bin at <time> of <statistic range> | bins at | <statistical bin> | <statistic range> | <i>Index<time></i> |
| bin of <statistic range> | bins | <statistical bin> | <statistic range> | <i>Plain</i> |
| binary operator <string> | binary operators | <binary operator> | <world> | <i>NamedGlobal</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|--------------------------------------|----------------------|--------------|--------------------------------|
| binary operator returning <type> | binary operators returning | <binary operator> | <world> | <i>Index<type>Global</i> |
| bit <integer> | bits | <bit set> | <world> | <i>NumberedGlobal</i> |
| bit <integer> of <bit set> | bits | <boolean> | <bit set> | <i>Numbered</i> |
| bit <integer> of <integer> | bits | <boolean> | <integer> | <i>Numbered</i> |
| bit set <string> | bit sets | <bit set> | <world> | <i>NamedGlobal</i> |
| blockquote <string> of <html> | blockquotes | <html> | <html> | <i>Named</i> |
| blockquote <string> of <string> | blockquotes | <html> | <string> | <i>Named</i> |
| blockquote of <html> | blockquotes | <html> | <html> | <i>Plain</i> |
| blockquote of <string> | blockquotes | <html> | <string> | <i>Plain</i> |
| body <string> of <html> | bodys | <html> | <html> | <i>Named</i> |
| body <string> of <string> | bodys | <html> | <string> | <i>Named</i> |
| body of <bes fixlet> | bodies | <html> | <bes fixlet> | <i>Plain</i> |
| body of <html> | bodys | <html> | <html> | <i>Plain</i> |
| body of <string> | bodys | <html> | <string> | <i>Plain</i> |
| boolean <string> | booleans | <boolean> | <world> | <i>NamedGlobal</i> |
| br | brs | <html> | <world> | <i>PlainGlobal</i> |
| br <string> | brs | <html> | <world> | <i>NamedGlobal</i> |
| caption <string> of <html> | captions | <html> | <html> | <i>Named</i> |
| caption <string> of <string> | captions | <html> | <string> | <i>Named</i> |
| caption of <html> | captions | <html> | <html> | <i>Plain</i> |
| caption of <string> | captions | <html> | <string> | <i>Plain</i> |
| case insensitive regex <string> | case insensitive regexes | <regular expression> | <world> | <i>NamedGlobal</i> |
| case insensitive regular expression <string> | case insensitive regular expressions | <regular expression> | <world> | <i>NamedGlobal</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---|------------------------|----------------------|----------------------|--------------------------------|
| cast <string> | casts | <cast> | <world> | <i>NamedGlobal</i> |
| cast from of <type> | casts from | <cast> | <type> | <i>Plain</i> |
| cast returning <type> | casts returning | <cast> | <world> | <i>Index<type>Global</i> |
| category of <bes fixlet> | categories | <string> | <bes fixlet> | <i>Plain</i> |
| category of <bes property> | categories | <string> | <bes property> | <i>Plain</i> |
| character <integer> | characters | <string> | <world> | <i>NumberedGlobal</i> |
| character <integer> of <string> | characters | <substring> | <string> | <i>Numbered</i> |
| character of <string> | characters | <substring> | <string> | <i>Plain</i> |
| charset of <bes fixlet> | charsets | <string> | <bes fixlet> | <i>Plain</i> |
| charset of <bes wizard> | charsets | <string> | <bes wizard> | <i>Plain</i> |
| child node <integer> of <xml dom node> | child nodes | <xml dom node> | <xml dom node> | <i>Numbered</i> |
| child node of <xml dom node> | child nodes | <xml dom node> | <xml dom node> | <i>Plain</i> |
| cite <string> of <html> | cites | <html> | <html> | <i>Named</i> |
| cite <string> of <string> | cites | <html> | <string> | <i>Named</i> |
| cite of <html> | cites | <html> | <html> | <i>Plain</i> |
| cite of <string> | cites | <html> | <string> | <i>Plain</i> |
| client evaluated flag of <bes computer group> | client evaluated flags | <boolean> | <bes computer group> | <i>Plain</i> |
| client installed flag of <bes unmanagedasset> | client installed flags | <boolean> | <bes unmanagedasset> | <i>Plain</i> |
| client setting of <bes computer> | client settings | <bes client setting> | <bes computer> | <i>Plain</i> |
| code <string> of <html> | codes | <html> | <html> | <i>Named</i> |
| code <string> of <string> | codes | <html> | <string> | <i>Named</i> |
| code of <html> | codes | <html> | <html> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---|----------------------|--------------------------------|--------------------------------|-----------------|
| code of <string> | codes | <html> | <string> | <i>Plain</i> |
| col <string> of <html> | cols | <html> | <html> | <i>Named</i> |
| col <string> of <string> | cols | <html> | <string> | <i>Named</i> |
| col of <html> | cols | <html> | <html> | <i>Plain</i> |
| col of <string> | cols | <html> | <string> | <i>Plain</i> |
| colgroup <string> of <html> | colgroups | <html> | <html> | <i>Named</i> |
| colgroup <string> of <string> | colgroups | <html> | <string> | <i>Named</i> |
| colgroup of <html> | colgroups | <html> | <html> | <i>Plain</i> |
| colgroup of <string> | colgroups | <html> | <string> | <i>Plain</i> |
| comment of <bes action> | comments | <bes comment> | <bes action> | <i>Plain</i> |
| comment of <bes computer> | comments | <bes comment> | <bes computer> | <i>Plain</i> |
| comment of <bes fixlet> | comments | <bes comment> | <bes fixlet> | <i>Plain</i> |
| component <integer> of <distinguished name> | components | <distinguished name component> | <distinguished name> | <i>Numbered</i> |
| component <integer> of <site version list> | components | <integer> | <site version list> | <i>Numbered</i> |
| component group of <bes fixlet> | component groups | <bes baseline component group> | <bes fixlet> | <i>Plain</i> |
| component of <bes baseline component group> | components | <bes baseline component> | <bes baseline component group> | <i>Plain</i> |
| component of <distinguished name> | components | <distinguished name component> | <distinguished name> | <i>Plain</i> |
| computer flag of <bes filter> | computer flags | <boolean> | <bes filter> | <i>Plain</i> |
| computer group flag of <bes action> | computer group flags | <boolean> | <bes action> | <i>Plain</i> |
| computer group set of <bes filter> | computer group sets | <bes fixlet set> | <bes filter> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---|---------------------------------|---------------------|---------------------------|-------------|
| computer of <bes action result> | computers | <bes computer> | <bes action result> | Plain |
| computer of <bes fixlet result> | computers | <bes computer> | <bes fixlet result> | Plain |
| computer of <bes property result> | computers | <bes computer> | <bes property result> | Plain |
| computer set of <bes filter> | computer sets | <bes computer set> | <bes filter> | Plain |
| concatenation <html> of <html> | concatenations | <html> | <html> | Index<html> |
| concatenation <html> of <string> | concatenations | <html> | <string> | Index<html> |
| concatenation <string> of <html> | concatenations | <html> | <html> | Named |
| concatenation <string> of <string> | concatenations | <string> | <string> | Named |
| concatenation of <html> | concatenations | <html> | <html> | Plain |
| concatenation of <string> | concatenations | <string> | <string> | Plain |
| conjunction of <boolean> | conjunctions | <boolean> | <boolean> | Plain |
| constrain by property name of <bes action> | constrain by property names | <string> | <bes action> | Plain |
| constrain by property relation of <bes action> | constrain by property relations | <string> | <bes action> | Plain |
| constrain by property value of <bes action> | constrain by property values | <string> | <bes action> | Plain |
| content id of <bes fixlet action> | content ids | <string> | <bes fixlet action> | Plain |
| correlation coefficient of <exponential projection> | correlation coefficients | <floating point> | <exponential projection> | Plain |
| correlation coefficient of <linear projection> | correlation coefficients | <floating point> | <linear projection> | Plain |
| count map of <historical fixlet count> | count maps | <fixlet count pair> | <historical fixlet count> | Plain |
| count of <fixlet count pair> | counts | <integer> | <fixlet count pair> | Plain |

| Key Phrase | Plural | Creates a | From a | Form |
|--------------------------------------|--------------------------|------------------------------|-----------------------------|-------------------------------------|
| count of <historical computer count> | counts | <integer> | <historical computer count> | <i>Plain</i> |
| cpu of <bes computer> | cpus | <string> | <bes computer> | <i>Plain</i> |
| creation date of <bes site> | creation dates | <time> | <bes site> | <i>Plain</i> |
| creation time of <bes activation> | creation times | <time> | <bes activation> | <i>Plain</i> |
| creation time of <bes fixlet> | creation times | <time> | <bes fixlet> | <i>Plain</i> |
| creation time of <bes user> | creation times | <time> | <bes user> | <i>Plain</i> |
| creator of <bes site> | creators | <bes user> | <bes site> | <i>Plain</i> |
| cryptography | cryptographies | <cryptography> | <world> | <i>PlainGlobal</i> |
| current analysis | current analyses | <bes fixlet> | <world> | <i>PlainGlobal</i> |
| current bes server | current bes servers | <bes server> | <world> | <i>PlainGlobal</i> |
| current computer | current computers | <bes computer> | <world> | <i>PlainGlobal</i> |
| current console user | current console users | <bes user> | <world> | <i>PlainGlobal</i> |
| current date | current dates | <date> | <world> | <i>PlainGlobal</i> |
| current day_of_month | current days_of_month | <day of month> | <world> | <i>PlainGlobal</i> |
| current day_of_week | current days_of_week | <day of week> | <world> | <i>PlainGlobal</i> |
| current day_of_year | current days_of_year | <day of year> | <world> | <i>PlainGlobal</i> |
| current fixlet | current fixlets | <bes fixlet> | <world> | <i>PlainGlobal</i> |
| current month | current months | <month> | <world> | <i>PlainGlobal</i> |
| current month_and_year | current months_and_years | <month and year> | <world> | <i>PlainGlobal</i> |
| current task | current tasks | <bes fixlet> | <world> | <i>PlainGlobal</i> |
| current time_of_day | current times_of_day | <time of day with time zone> | <world> | <i>PlainGlobal</i> |
| current time_of_day <time zone> | current times_of_day | <time of day with time zone> | <world> | <i>Index<time zone>Global</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|------------------------------|----------------------|-------------------------|--------------------|
| current unmanagedasset | current unmanagedassets | <bes unmanagedasset> | <world> | <i>PlainGlobal</i> |
| current wizard | current wizards | <bes wizard> | <world> | <i>PlainGlobal</i> |
| current year | current years | <year> | <world> | <i>PlainGlobal</i> |
| custom content flag of <bes user> | custom content flags | <boolean> | <bes user> | <i>Plain</i> |
| custom flag of <bes fixlet> | custom flags | <boolean> | <bes fixlet> | <i>Plain</i> |
| custom flag of <bes property> | custom flags | <boolean> | <bes property> | <i>Plain</i> |
| custom site flag of <bes fixlet> | custom site flags | <boolean> | <bes fixlet> | <i>Plain</i> |
| custom site flag of <bes site> | custom site flags | <boolean> | <bes site> | <i>Plain</i> |
| custom site of <bes fixlet> | custom sites | <bes site> | <bes fixlet> | <i>Plain</i> |
| custom success relevance of <bes action> | custom success relevances | <string> | <bes action> | <i>Plain</i> |
| cve id list of <bes fixlet> | cve id lists | <string> | <bes fixlet> | <i>Plain</i> |
| dashboard id of <bes wizard> | dashboard ids | <string> | <bes wizard> | <i>Plain</i> |
| database id of <bes action> | database ids | <integer> | <bes action> | <i>Plain</i> |
| database id of <bes activation> | database ids | <integer> | <bes activation> | <i>Plain</i> |
| database id of <bes computer group> | database ids | <integer> | <bes computer group> | <i>Plain</i> |
| database id of <bes computer> | database ids | <integer> | <bes computer> | <i>Plain</i> |
| database id of <bes deployment option> | database ids | <integer> | <bes deployment option> | <i>Plain</i> |
| database id of <bes property> | database ids | <integer> | <bes property> | <i>Plain</i> |
| database id of <bes server> | database ids of <bes server> | <integer> | <bes server> | <i>Plain</i> |
| database id of <bes wakeonlan status> | database ids | <integer> | <bes wakeonlan status> | <i>Plain</i> |
| database id of <bes wizard> | database ids | <integer> | <bes wizard> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|--------------------------------|-----------------|-----------------------------|-------------------------------|
| database id of <historical computer count> | database ids | <integer> | <historical computer count> | <i>Plain</i> |
| database id of <historical fixlet count> | database ids | <integer> | <historical fixlet count> | <i>Plain</i> |
| database name of <bes action> | database names | <string> | <bes action> | <i>Plain</i> |
| database name of <bes computer> | database names | <string> | <bes computer> | <i>Plain</i> |
| database name of <bes deployment option> | database names | <string> | <bes deployment option> | <i>Plain</i> |
| database name of <bes server> | database names of <bes server> | <string> | <bes server> | <i>Plain</i> |
| database name of <bes wakeonlan status> | database names | <string> | <bes wakeonlan status> | <i>Plain</i> |
| database name of <bes wizard> | database names | <string> | <bes wizard> | <i>Plain</i> |
| date <string> | dates | <date> | <world> | <i>NamedGlobal</i> |
| date <time zone> of <time> | dates | <date> | <time> | <i>Index<time zone></i> |
| day | days | <time interval> | <world> | <i>PlainGlobal</i> |
| day of <day of year> | days | <day of month> | <day of year> | <i>Plain</i> |
| day_of_month <integer> | days_of_month | <day of month> | <world> | <i>NumberedGlobal</i> |
| day_of_month <string> | days_of_month | <day of month> | <world> | <i>NamedGlobal</i> |
| day_of_month of <date> | days_of_month | <day of month> | <date> | <i>Plain</i> |
| day_of_week <string> | days_of_week | <day of week> | <world> | <i>NamedGlobal</i> |
| day_of_week of <date> | days_of_week | <day of week> | <date> | <i>Plain</i> |
| day_of_year of <date> | days_of_year | <day of year> | <date> | <i>Plain</i> |
| dd <string> of <html> | dds | <html> | <html> | <i>Named</i> |
| dd <string> of <string> | dds | <html> | <string> | <i>Named</i> |
| dd of <html> | dds | <html> | <html> | <i>Plain</i> |
| dd of <string> | dds | <html> | <string> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|--------------------|---------------------|---------------------|-----------------------|
| december | decembers | <month> | <world> | <i>PlainGlobal</i> |
| december <integer> | decembers | <day of year> | <world> | <i>NumberedGlobal</i> |
| december <integer> of <integer> | decembers | <date> | <integer> | <i>Numbered</i> |
| december of <integer> | decembers | <month and year> | <integer> | <i>Plain</i> |
| default action of <bes fixlet> | default actions | <bes fixlet action> | <bes fixlet> | <i>Plain</i> |
| default flag of <bes property> | default flags | <boolean> | <bes property> | <i>Plain</i> |
| default page name of <bes wizard> | default page names | <string> | <bes wizard> | <i>Plain</i> |
| definition list <string> of <html> | definition lists | <html> | <html> | <i>Named</i> |
| definition list <string> of <string> | definition lists | <html> | <string> | <i>Named</i> |
| definition list of <html> | definition lists | <html> | <html> | <i>Plain</i> |
| definition list of <string> | definition lists | <html> | <string> | <i>Plain</i> |
| definition of <bes property> | definitions | <string> | <bes property> | <i>Plain</i> |
| del <string> of <html> | dels | <html> | <html> | <i>Named</i> |
| del <string> of <string> | dels | <html> | <string> | <i>Named</i> |
| del of <html> | dels | <html> | <html> | <i>Plain</i> |
| del of <string> | dels | <html> | <string> | <i>Plain</i> |
| deleted flag of <bes comment> | deleted flags | <boolean> | <bes comment> | <i>Plain</i> |
| description of <bes site> | descriptions | <string> | <bes site> | <i>Plain</i> |
| desired fips mode of <cryptography> | desired fips modes | <boolean> | <cryptography> | <i>Plain</i> |
| detailed status of <bes action result> | detailed statuses | <string> | <bes action result> | <i>Plain</i> |
| dfn <string> of <html> | dfns | <html> | <html> | <i>Named</i> |
| dfn <string> of <string> | dfns | <html> | <string> | <i>Named</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---|---------------------|----------------------|----------------------------|--------------|
| dfn of <html> | dfns | <html> | <html> | <i>Plain</i> |
| dfn of <string> | dfns | <html> | <string> | <i>Plain</i> |
| dialog flag of <bes wizard> | dialog flags | <boolean> | <bes wizard> | <i>Plain</i> |
| digest file name of <bes fixlet> | digest file names | <string> | <bes fixlet> | <i>Plain</i> |
| direct object type of <property> | direct object types | <type> | <property> | <i>Plain</i> |
| disjunction of <boolean> | disjunctions | <boolean> | <boolean> | <i>Plain</i> |
| display name of <bes site> | display names | <string> | <bes site> | <i>Plain</i> |
| div <string> of <html> | divs | <html> | <html> | <i>Named</i> |
| div <string> of <string> | divs | <html> | <string> | <i>Named</i> |
| div of <html> | divs | <html> | <html> | <i>Plain</i> |
| div of <string> | divs | <html> | <string> | <i>Plain</i> |
| divided by zero of <floating point> | divided by zeroes | <boolean> | <floating point> | <i>Plain</i> |
| document flag of <bes wizard> | document flags | <boolean> | <bes wizard> | <i>Plain</i> |
| download size of <bes fixlet> | download sizes | <integer> | <bes fixlet> | <i>Plain</i> |
| dt <string> of <html> | dts | <html> | <html> | <i>Named</i> |
| dt <string> of <string> | dts | <html> | <string> | <i>Named</i> |
| dt of <html> | dts | <html> | <html> | <i>Plain</i> |
| dt of <string> | dts | <html> | <string> | <i>Plain</i> |
| editable flag of <bes unmanagedasset field> | editable flags | <boolean> | <bes unmanagedasset field> | <i>Plain</i> |
| element of <bes action set> | elements | <bes action> | <bes action set> | <i>Plain</i> |
| element of <bes computer group set> | elements | <bes computer group> | <bes computer group set> | <i>Plain</i> |
| element of <bes computer set> | elements | <bes computer> | <bes computer set> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|-------------------------|--------------------|------------------------|--------------------|
| element of <bes filter set> | elements | <bes filter> | <bes filter set> | <i>Plain</i> |
| element of <bes fixlet set> | elements | <bes fixlet> | <bes fixlet set> | <i>Plain</i> |
| element of <bes property set> | elements | <bes property> | <bes property set> | <i>Plain</i> |
| element of <bes user set> | elements | <bes user> | <bes user set> | <i>Plain</i> |
| element of <integer set> | elements | <integer> | <integer set> | <i>Plain</i> |
| element of <string set> | elements | <string> | <string set> | <i>Plain</i> |
| em <string> of <html> | ems | <html> | <html> | <i>Named</i> |
| em <string> of <string> | ems | <html> | <string> | <i>Named</i> |
| em of <html> | ems | <html> | <html> | <i>Plain</i> |
| em of <string> | ems | <html> | <string> | <i>Plain</i> |
| enabled of <bes wakeonlan status> | enables | <boolean> | <bes wakeonlan status> | <i>Plain</i> |
| encryption certificate of <license> | encryption certificates | <x509 certificate> | <license> | <i>Plain</i> |
| end date of <bes action> | end dates | <date> | <bes action> | <i>Plain</i> |
| end flag of <bes action> | end flags | <boolean> | <bes action> | <i>Plain</i> |
| end of <statistic range> | ends | <time> | <statistic range> | <i>Plain</i> |
| end of <statistical bin> | ends | <time> | <statistical bin> | <i>Plain</i> |
| end of <substring> | ends | <string position> | <substring> | <i>Plain</i> |
| end of <time range> | ends | <time> | <time range> | <i>Plain</i> |
| end time_of_day of <bes action> | end times_of_day | <time of day> | <bes action> | <i>Plain</i> |
| error <string> | errors | <undefined> | <world> | <i>NamedGlobal</i> |
| error flag of <bes property result> | error flags | <boolean> | <bes property result> | <i>Plain</i> |
| error message of <bes property result> | error messages | <string> | <bes property result> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|----------------------|--------------------------------------|--------------------------|-------------|
| evaluation period of <bes property> | evaluation periods | <time interval> | <bes property> | Plain |
| explicit owner of <bes site> | explicit owners | <bes user> | <bes site> | Plain |
| explicit owner set of <bes site> | explicit owner sets | <bes user set> | <bes site> | Plain |
| explicit reader of <bes site> | explicit readers | <bes user> | <bes site> | Plain |
| explicit reader set of <bes site> | explicit reader sets | <bes user set> | <bes site> | Plain |
| explicit writer of <bes site> | explicit writers | <bes user> | <bes site> | Plain |
| explicit writer set of <bes site> | explicit writer sets | <bes user set> | <bes site> | Plain |
| exponential fit of <statistical bin> | exponential fits | <exponential projection> | <statistical bin> | Plain |
| external site flag of <bes site> | external site flags | <boolean> | <bes site> | Plain |
| extrapolation <time> of <exponential projection> | extrapolations | <floating point> | <exponential projection> | Index<time> |
| extrapolation <time> of <linear projection> | extrapolations | <floating point> | <linear projection> | Index<time> |
| extrema of <date> | extremas | <(date, date)> | <date> | Plain |
| extrema of <day of month> | extremas | <(day of month, day of month)> | <day of month> | Plain |
| extrema of <day of year> | extremas | <(day of year, day of year)> | <day of year> | Plain |
| extrema of <floating point> | extremas | <(floating point, floating point)> | <floating point> | Plain |
| extrema of <hertz> | extremas | <(hertz, hertz)> | <hertz> | Plain |
| extrema of <integer> | extremas | <(integer, integer)> | <integer> | Plain |
| extrema of <ipv4 address> | extremas | <(ipv4 address, ipv4 address)> | <ipv4 address> | Plain |
| extrema of <ipv6 address> | extremas | <(ipv6 address, ipv6 address)> | <ipv6 address> | Plain |

| Key Phrase | Plural | Creates a | From a | Form |
|-----------------------------------|---------------|--|----------------------|-----------------------|
| extrema of <month and year> | extremas | <(month and year, month and year)> | <month and year> | <i>Plain</i> |
| extrema of <month> | extremas | <(month, month)> | <month> | <i>Plain</i> |
| extrema of <number of months> | extremas | <(number of months, number of months)> | <number of months> | <i>Plain</i> |
| extrema of <rate> | extremas | <(rate, rate)> | <rate> | <i>Plain</i> |
| extrema of <site version list> | extremas | <(site version list, site version list)> | <site version list> | <i>Plain</i> |
| extrema of <time interval> | extremas | <(time interval, time interval)> | <time interval> | <i>Plain</i> |
| extrema of <time of day> | extremas | <(time of day, time of day)> | <time of day> | <i>Plain</i> |
| extrema of <time> | extremas | <(time, time)> | <time> | <i>Plain</i> |
| extrema of <version> | extremas | <(version, version)> | <version> | <i>Plain</i> |
| extrema of <year> | extremas | <(year, year)> | <year> | <i>Plain</i> |
| failure rate of <statistical bin> | failure rates | <floating point> | <statistical bin> | <i>Plain</i> |
| false | falses | <boolean> | <world> | <i>PlainGlobal</i> |
| february | februarys | <month> | <world> | <i>PlainGlobal</i> |
| february <integer> | februarys | <day of year> | <world> | <i>NumberedGlobal</i> |
| february <integer> of <integer> | februarys | <date> | <integer> | <i>Numbered</i> |
| february of <integer> | februarys | <month and year> | <integer> | <i>Plain</i> |
| field of <bes unmanagedasset> | fields | <bes unmanagedasset field> | <bes unmanagedasset> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---|----------------------------|----------------------------|----------------------------|---------------------------|
| filterable flag of <bes unmanagedasset field> | filterable flags | <boolean> | <bes unmanagedasset field> | Plain |
| final part <time interval> of <time range> | final parts | <time range> | <time range> | Index<time interval> |
| finite of <floating point> | finites | <boolean> | <floating point> | Plain |
| fips mode failure message of <cryptography> | fips mode failure messages | <string> | <cryptography> | Plain |
| fips mode of <cryptography> | fips modes | <boolean> | <cryptography> | Plain |
| fips mode of <license> | fips modes | <boolean> | <license> | Plain |
| first <day of week> of <month and year> | firsts | <date> | <month and year> | Index<day of week> |
| first <integer> of <string> | firsts | <substring> | <string> | Numbered |
| first <string> of <string> | firsts | <substring> | <string> | Named |
| first became relevant of <bes fixlet result> | first became relevants | <time> | <bes fixlet result> | Plain |
| first child of <xml dom node> | first children | <xml dom node> | <xml dom node> | Plain |
| first friday of <month and year> | first fridays | <date> | <month and year> | Plain |
| first match <regular expression> of <string> | first matches | <regular expression match> | <string> | Index<regular expression> |
| first monday of <month and year> | first mondays | <date> | <month and year> | Plain |
| first saturday of <month and year> | first saturdays | <date> | <month and year> | Plain |
| first sunday of <month and year> | first sundays | <date> | <month and year> | Plain |
| first thursday of <month and year> | first thursdays | <date> | <month and year> | Plain |
| first tuesday of <month and year> | first tuesdays | <date> | <month and year> | Plain |

| Key Phrase | Plural | Creates a | From a | Form |
|---------------------------------------|-------------------------|------------------|---------------------|--|
| first wednesday of <month and year> | first wednesdays | <date> | <month and year> | <i>Plain</i> |
| fixlet <integer> of <bes site> | fixlets | <bes fixlet> | <bes site> | <i>Numbered</i> |
| fixlet flag of <bes filter> | fixlet flags | <boolean> | <bes filter> | <i>Plain</i> |
| fixlet flag of <bes fixlet> | fixlet flags | <boolean> | <bes fixlet> | <i>Plain</i> |
| fixlet of <bes fixlet result> | fixlets | <bes fixlet> | <bes fixlet result> | <i>Plain</i> |
| fixlet of <bes site> | fixlets | <bes fixlet> | <bes site> | <i>Plain</i> |
| fixlet set of <bes filter> | fixlet sets | <bes fixlet set> | <bes filter> | <i>Plain</i> |
| fixlet set of <bes site> | fixlet sets | <bes fixlet set> | <bes site> | <i>Plain</i> |
| floating point <floating point> | floating points | <floating point> | <world> | <i>Index<floating point>Global</i> |
| floating point <string> | floating points | <floating point> | <world> | <i>NamedGlobal</i> |
| following text of <string position> | following texts | <substring> | <string position> | <i>Plain</i> |
| following text of <substring> | following texts | <substring> | <substring> | <i>Plain</i> |
| friday | fridays | <day of week> | <world> | <i>PlainGlobal</i> |
| gather url of <license> | gather urls | <string> | <license> | <i>Plain</i> |
| geometric mean of <statistical bin> | geometric means | <floating point> | <statistical bin> | <i>Plain</i> |
| ghz | ghzs | <hertz> | <world> | <i>PlainGlobal</i> |
| globally readable flag of <bes site> | globally readable flags | <boolean> | <bes site> | <i>Plain</i> |
| globally visible flag of <bes fixlet> | globally visible flags | <boolean> | <bes fixlet> | <i>Plain</i> |
| greatest hz | greatest hzs | <hertz> | <world> | <i>PlainGlobal</i> |
| greatest integer | greatest integers | <integer> | <world> | <i>PlainGlobal</i> |
| greatest time interval | greatest time intervals | <time interval> | <world> | <i>PlainGlobal</i> |
| group flag of <bes filter> | group flags | <boolean> | <bes filter> | <i>Plain</i> |
| group flag of <bes fixlet> | group flags | <boolean> | <bes fixlet> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|-----------------------------------|--------------------|------------------|---------------|--------------|
| group member flag of <bes action> | group member flags | <boolean> | <bes action> | <i>Plain</i> |
| h1 <string> of <html> | h1s | <html> | <html> | <i>Named</i> |
| h1 <string> of <string> | h1s | <html> | <string> | <i>Named</i> |
| h1 of <html> | h1s | <html> | <html> | <i>Plain</i> |
| h1 of <string> | h1s | <html> | <string> | <i>Plain</i> |
| h2 <string> of <html> | h2s | <html> | <html> | <i>Named</i> |
| h2 <string> of <string> | h2s | <html> | <string> | <i>Named</i> |
| h2 of <html> | h2s | <html> | <html> | <i>Plain</i> |
| h2 of <string> | h2s | <html> | <string> | <i>Plain</i> |
| h3 <string> of <html> | h3s | <html> | <html> | <i>Named</i> |
| h3 <string> of <string> | h3s | <html> | <string> | <i>Named</i> |
| h3 of <html> | h3s | <html> | <html> | <i>Plain</i> |
| h3 of <string> | h3s | <html> | <string> | <i>Plain</i> |
| h4 <string> of <html> | h4s | <html> | <html> | <i>Named</i> |
| h4 <string> of <string> | h4s | <html> | <string> | <i>Named</i> |
| h4 of <html> | h4s | <html> | <html> | <i>Plain</i> |
| h4 of <string> | h4s | <html> | <string> | <i>Plain</i> |
| h5 <string> of <html> | h5s | <html> | <html> | <i>Named</i> |
| h5 <string> of <string> | h5s | <html> | <string> | <i>Named</i> |
| h5 of <html> | h5s | <html> | <html> | <i>Plain</i> |
| h5 of <string> | h5s | <html> | <string> | <i>Plain</i> |
| h6 <string> of <html> | h6s | <html> | <html> | <i>Named</i> |
| h6 <string> of <string> | h6s | <html> | <string> | <i>Named</i> |
| h6 of <html> | h6s | <html> | <html> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---|------------------------|------------------|------------------------------|--|
| h6 of <string> | h6s | <html> | <string> | <i>Plain</i> |
| head <string> of <html> | heads | <html> | <html> | <i>Named</i> |
| head <string> of <string> | heads | <html> | <string> | <i>Named</i> |
| head of <html> | heads | <html> | <html> | <i>Plain</i> |
| head of <string> | heads | <html> | <string> | <i>Plain</i> |
| hexadecet <integer> of <ipv6 address> | hexadecets | <integer> | <ipv6 address> | <i>Numbered</i> |
| hexadecimal integer <string> | hexadecimal integers | <integer> | <world> | <i>NamedGlobal</i> |
| hexadecimal string <string> | hexadecimal strings | <string> | <world> | <i>NamedGlobal</i> |
| hidden bes action | hidden bes actions | <bes action> | <world> | <i>PlainGlobal</i> |
| hidden bes action set | hidden bes action sets | <bes action set> | <world> | <i>PlainGlobal</i> |
| hidden flag of <bes action> | hidden flags | <boolean> | <bes action> | <i>Plain</i> |
| hostname of <bes computer> | hostnames | <string> | <bes computer> | <i>Plain</i> |
| hour | hours | <time interval> | <world> | <i>PlainGlobal</i> |
| hour_of_day of <time of day with time zone> | hours_of_day | <integer> | <time of day with time zone> | <i>Plain</i> |
| hour_of_day of <time of day> | hours_of_day | <integer> | <time of day> | <i>Plain</i> |
| hr | hrs | <html> | <world> | <i>PlainGlobal</i> |
| hr <string> | hrs | <html> | <world> | <i>NamedGlobal</i> |
| html <string> | htmls | <html> | <world> | <i>NamedGlobal</i> |
| html <string> of <html> | htmls | <html> | <html> | <i>Named</i> |
| html <string> of <string> | htmls | <html> | <string> | <i>Named</i> |
| html of <html> | htmls | <html> | <html> | <i>Plain</i> |
| html of <string> | htmls | <html> | <string> | <i>Plain</i> |
| html tag <(string, html)> | html tags | <html> | <world> | <i>Index<(string, html)>Global</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---|----------------------------|---------------------------------|--------------------------|---|
| html tag <(string, html attribute list, html)> | html tags | <html> | <world> | <i>Index<(string, html attribute list, html)>Global</i> |
| html tag <(string, html attribute list, string)> | html tags | <html> | <world> | <i>Index<(string, html attribute list, string)>Global</i> |
| html tag <(string, string)> | html tags | <html> | <world> | <i>Index<(string, string)>Global</i> |
| html tag <string> of <html> | html tags | <html> | <html> | <i>Named</i> |
| html tag <string> of <string> | html tags | <html> | <string> | <i>Named</i> |
| hz | hzs | <hertz> | <world> | <i>PlainGlobal</i> |
| id of <bes action> | ids | <integer> | <bes action> | <i>Plain</i> |
| id of <bes activation> | ids | <integer> | <bes activation> | <i>Plain</i> |
| id of <bes baseline component> | ids | <integer> | <bes baseline component> | <i>Plain</i> |
| id of <bes computer group> | ids | <integer> | <bes computer group> | <i>Plain</i> |
| id of <bes computer> | ids | <integer> | <bes computer> | <i>Plain</i> |
| id of <bes filter> | ids | <integer> | <bes filter> | <i>Plain</i> |
| id of <bes fixlet> | ids | <integer> | <bes fixlet> | <i>Plain</i> |
| id of <bes property> | ids | <(integer, integer, integer)> | <bes property> | <i>Plain</i> |
| id of <bes site> | ids | <integer> | <bes site> | <i>Plain</i> |
| id of <bes unmanagedasset> | ids | <integer> | <bes unmanagedasset> | <i>Plain</i> |
| in console context | in console contexts | <boolean> | <world> | <i>PlainGlobal</i> |
| in web reports context | in web reports contexts | <boolean> | <world> | <i>PlainGlobal</i> |
| include in relevance flag of <bes baseline component> | include in relevance flags | <boolean> | <bes baseline component> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|------------------|--------------------------|--------------------------|-----------------------------------|
| index type of <property> | index types | <type> | <property> | <i>Plain</i> |
| inexact of <floating point> | inexacts | <boolean> | <floating point> | <i>Plain</i> |
| infinite of <floating point> | infinites | <boolean> | <floating point> | <i>Plain</i> |
| initial part <time interval> of <time range> | initial parts | <time range> | <time range> | <i>Index<time interval></i> |
| ins <string> of <html> | inss | <html> | <html> | <i>Named</i> |
| ins <string> of <string> | inss | <html> | <string> | <i>Named</i> |
| ins of <html> | inss | <html> | <html> | <i>Plain</i> |
| ins of <string> | inss | <html> | <string> | <i>Plain</i> |
| integer <integer> | integers | <integer> | <world> | <i>NumberedGlobal</i> |
| integer <string> | integers | <integer> | <world> | <i>NamedGlobal</i> |
| integer ceiling of <floating point> | integer ceilings | <integer> | <floating point> | <i>Plain</i> |
| integer floor of <floating point> | integer floors | <integer> | <floating point> | <i>Plain</i> |
| intersection of <bes action set> | intersections | <bes action set> | <bes action set> | <i>Plain</i> |
| intersection of <bes computer group set> | intersections | <bes computer group set> | <bes computer group set> | <i>Plain</i> |
| intersection of <bes computer set> | intersections | <bes computer set> | <bes computer set> | <i>Plain</i> |
| intersection of <bes filter set> | intersections | <bes filter set> | <bes filter set> | <i>Plain</i> |
| intersection of <bes fixlet set> | intersections | <bes fixlet set> | <bes fixlet set> | <i>Plain</i> |
| intersection of <bes property set> | intersections | <bes property set> | <bes property set> | <i>Plain</i> |
| intersection of <bes user set> | intersections | <bes user set> | <bes user set> | <i>Plain</i> |
| intersection of <integer set> | intersections | <integer set> | <integer set> | <i>Plain</i> |
| intersection of <string set> | intersections | <string set> | <string set> | <i>Plain</i> |
| invalid before of <x509 certificate> | invalid before | <time> | <x509 certificate> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|----------------------------|------------------|-------------------|-----------------------|
| invalid of <floating point> | invalids | <boolean> | <floating point> | <i>Plain</i> |
| ip address of <bes computer> | ip addresses | <ipv4 address> | <bes computer> | <i>Plain</i> |
| ipv4 part of <ipv6 address> | ipv4 parts | <ipv4 address> | <ipv6 address> | <i>Plain</i> |
| ipv6 address <string> | ipv6 addresses | <ipv6 address> | <world> | <i>NamedGlobal</i> |
| issued action of <bes user> | issued actions | <bes action> | <bes user> | <i>Plain</i> |
| issued action set of <bes user> | issued action sets | <bes action set> | <bes user> | <i>Plain</i> |
| issuer of <bes action> | issuers | <bes user> | <bes action> | <i>Plain</i> |
| issuer of <bes activation> | issuers | <bes user> | <bes activation> | <i>Plain</i> |
| issuer of <bes fixlet> | issuers | <bes user> | <bes fixlet> | <i>Plain</i> |
| italic <string> of <html> | italics | <html> | <html> | <i>Named</i> |
| italic <string> of <string> | italics | <html> | <string> | <i>Named</i> |
| italic of <html> | italics | <html> | <html> | <i>Plain</i> |
| italic of <string> | italics | <html> | <string> | <i>Plain</i> |
| january | januaries | <month> | <world> | <i>PlainGlobal</i> |
| january <integer> | januaries | <day of year> | <world> | <i>NumberedGlobal</i> |
| january <integer> of <integer> | januaries | <date> | <integer> | <i>Numbered</i> |
| january of <integer> | januaries | <month and year> | <integer> | <i>Plain</i> |
| javascript array <string> of <statistical bin> | javascript arrays | <html> | <statistical bin> | <i>Named</i> |
| join by intersection flag of <bes filter> | join by intersection flags | <boolean> | <bes filter> | <i>Plain</i> |
| july | julys | <month> | <world> | <i>PlainGlobal</i> |
| july <integer> | julys | <day of year> | <world> | <i>NumberedGlobal</i> |
| july <integer> of <integer> | julys | <date> | <integer> | <i>Numbered</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|--------------------------|------------------|---------------------|-----------------------|
| july of <integer> | julys | <month and year> | <integer> | <i>Plain</i> |
| june | junes | <month> | <world> | <i>PlainGlobal</i> |
| june <integer> | junes | <day of year> | <world> | <i>NumberedGlobal</i> |
| june <integer> of <integer> | junes | <date> | <integer> | <i>Numbered</i> |
| june of <integer> | junes | <month and year> | <integer> | <i>Plain</i> |
| kbd <string> of <html> | kbds | <html> | <html> | <i>Named</i> |
| kbd <string> of <string> | kbds | <html> | <string> | <i>Named</i> |
| kbd of <html> | kbds | <html> | <html> | <i>Plain</i> |
| kbd of <string> | kbds | <html> | <string> | <i>Plain</i> |
| keep statistics flag of <bes property> | keep statistics flags | <boolean> | <bes property> | <i>Plain</i> |
| khz | khzs | <hertz> | <world> | <i>PlainGlobal</i> |
| kurtosis of <statistical bin> | kurtoses | <floating point> | <statistical bin> | <i>Plain</i> |
| last <integer> of <string> | lasts | <substring> | <string> | <i>Numbered</i> |
| last <string> of <string> | lasts | <substring> | <string> | <i>Named</i> |
| last became nonrelevant of <bes fixlet result> | last became nonrelevants | <time> | <bes fixlet result> | <i>Plain</i> |
| last became relevant of <bes fixlet result> | last became relevants | <time> | <bes fixlet result> | <i>Plain</i> |
| last child of <xml dom node> | last children | <xml dom node> | <xml dom node> | <i>Plain</i> |
| last login time of <bes user> | last login times | <time> | <bes user> | <i>Plain</i> |
| last report time of <bes computer> | last report times | <time> | <bes computer> | <i>Plain</i> |
| leap of <year> | leaps | <boolean> | <year> | <i>Plain</i> |
| least hz | least hzs | <hertz> | <world> | <i>PlainGlobal</i> |
| least integer | least integers | <integer> | <world> | <i>PlainGlobal</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---|----------------------------|---------------------|----------------------|--------------------------|
| least significant one bit of <bit set> | least significant one bits | <integer> | <bit set> | <i>Plain</i> |
| least time interval | least time intervals | <time interval> | <world> | <i>PlainGlobal</i> |
| left operand type of <binary operator> | left operand types | <type> | <binary operator> | <i>Plain</i> |
| left shift <integer> of <bit set> | left shifts | <bit set> | <bit set> | <i>Numbered</i> |
| length of <month and year> | lengths | <time interval> | <month and year> | <i>Plain</i> |
| length of <rope> | lengths | <integer> | <rope> | <i>Plain</i> |
| length of <statistical bin> | lengths | <time interval> | <statistical bin> | <i>Plain</i> |
| length of <string> | lengths | <integer> | <string> | <i>Plain</i> |
| length of <time range> | lengths | <time interval> | <time range> | <i>Plain</i> |
| length of <year> | lengths | <time interval> | <year> | <i>Plain</i> |
| less significance <integer> of <floating point> | less significances | <floating point> | <floating point> | <i>Numbered</i> |
| li <string> of <html> | lis | <html> | <html> | <i>Named</i> |
| li <string> of <string> | lis | <html> | <string> | <i>Named</i> |
| li of <html> | lis | <html> | <html> | <i>Plain</i> |
| li of <string> | lis | <html> | <string> | <i>Plain</i> |
| line number of <bes action result> | line numbers | <integer> | <bes action result> | <i>Plain</i> |
| linear fit of <statistical bin> | linear fits | <linear projection> | <statistical bin> | <i>Plain</i> |
| link <html> of <bes action> | links | <html> | <bes action> | <i>Index<html></i> |
| link <html> of <bes computer> | links | <html> | <bes computer> | <i>Index<html></i> |
| link <html> of <bes fixlet> | links | <html> | <bes fixlet> | <i>Index<html></i> |
| link <html> of <bes unmanagedasset> | links | <html> | <bes unmanagedasset> | <i>Index<html></i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---------------------------------------|------------|-----------|----------------------|--------------------------|
| link <html> of <bes user> | links | <html> | <bes user> | <i>Index<html></i> |
| link <html> of <bes wizard> | links | <html> | <bes wizard> | <i>Index<html></i> |
| link <string> of <bes action> | links | <html> | <bes action> | <i>Named</i> |
| link <string> of <bes computer> | links | <html> | <bes computer> | <i>Named</i> |
| link <string> of <bes fixlet> | links | <html> | <bes fixlet> | <i>Named</i> |
| link <string> of <bes unmanagedasset> | links | <html> | <bes unmanagedasset> | <i>Named</i> |
| link <string> of <bes user> | links | <html> | <bes user> | <i>Named</i> |
| link <string> of <bes wizard> | links | <html> | <bes wizard> | <i>Named</i> |
| link <string> of <html> | links | <html> | <html> | <i>Named</i> |
| link <string> of <string> | links | <html> | <string> | <i>Named</i> |
| link href of <bes action> | link hrefs | <string> | <bes action> | <i>Plain</i> |
| link href of <bes computer> | link hrefs | <string> | <bes computer> | <i>Plain</i> |
| link href of <bes fixlet> | link hrefs | <string> | <bes fixlet> | <i>Plain</i> |
| link href of <bes unmanagedasset> | link hrefs | <string> | <bes unmanagedasset> | <i>Plain</i> |
| link href of <bes user> | link hrefs | <string> | <bes user> | <i>Plain</i> |
| link href of <bes wizard> | link hrefs | <string> | <bes wizard> | <i>Plain</i> |
| link of <bes action> | links | <html> | <bes action> | <i>Plain</i> |
| link of <bes computer> | links | <html> | <bes computer> | <i>Plain</i> |
| link of <bes fixlet> | links | <html> | <bes fixlet> | <i>Plain</i> |
| link of <bes unmanagedasset> | links | <html> | <bes unmanagedasset> | <i>Plain</i> |
| link of <bes user> | links | <html> | <bes user> | <i>Plain</i> |
| link of <bes wizard> | links | <html> | <bes wizard> | <i>Plain</i> |
| link of <html> | links | <html> | <html> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---|-------------------------------|----------------------------|----------------------|--|
| link of <string> | links | <html> | <string> | <i>Plain</i> |
| local time <string> | local times | <time> | <world> | <i>NamedGlobal</i> |
| local time zone | local time zones | <time zone> | <world> | <i>PlainGlobal</i> |
| locally visible flag of <bes fixlet> | locally visible flags | <boolean> | <bes fixlet> | <i>Plain</i> |
| locked flag of <bes computer> | locked flags | <boolean> | <bes computer> | <i>Plain</i> |
| logarithm kurtosis of <statistical bin> | logarithm kurtoses | <floating point> | <statistical bin> | <i>Plain</i> |
| logarithm skewness of <statistical bin> | logarithm skewnesses | <floating point> | <statistical bin> | <i>Plain</i> |
| logarithm standard deviation of <statistical bin> | logarithm standard deviations | <floating point> | <statistical bin> | <i>Plain</i> |
| logarithm variance of <statistical bin> | logarithm variances | <floating point> | <statistical bin> | <i>Plain</i> |
| management rights flag of <bes action> | management rights flags | <boolean> | <bes action> | <i>Plain</i> |
| manual flag of <bes computer group> | manual flags | <boolean> | <bes computer group> | <i>Plain</i> |
| march | marches | <month> | <world> | <i>PlainGlobal</i> |
| march <integer> | marches | <day of year> | <world> | <i>NumberedGlobal</i> |
| march <integer> of <integer> | marches | <date> | <integer> | <i>Numbered</i> |
| march of <integer> | marches | <month and year> | <integer> | <i>Plain</i> |
| master flag of <bes user> | master flags | <boolean> | <bes user> | <i>Plain</i> |
| master site flag of <bes fixlet> | master site flags | <boolean> | <bes fixlet> | <i>Plain</i> |
| master site flag of <bes site> | master site flags | <boolean> | <bes site> | <i>Plain</i> |
| match <regular expression> of <string> | matches | <regular expression match> | <string> | <i>Index<regular expression></i> |
| maximum of <date> | maxima | <date> | <date> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|--------------------------------|---------------------|---------------------|-----------------------|
| maximum of <day of month> | maxima | <day of month> | <day of month> | <i>Plain</i> |
| maximum of <day of year> | maxima | <day of year> | <day of year> | <i>Plain</i> |
| maximum of <floating point> | maxima | <floating point> | <floating point> | <i>Plain</i> |
| maximum of <hertz> | maxima | <hertz> | <hertz> | <i>Plain</i> |
| maximum of <integer> | maxima | <integer> | <integer> | <i>Plain</i> |
| maximum of <ipv4 address> | maxima | <ipv4 address> | <ipv4 address> | <i>Plain</i> |
| maximum of <ipv6 address> | maxima | <ipv6 address> | <ipv6 address> | <i>Plain</i> |
| maximum of <month and year> | maxima | <month and year> | <month and year> | <i>Plain</i> |
| maximum of <month> | maxima | <month> | <month> | <i>Plain</i> |
| maximum of <number of months> | maxima | <number of months> | <number of months> | <i>Plain</i> |
| maximum of <rate> | maxima | <rate> | <rate> | <i>Plain</i> |
| maximum of <site version list> | maxima | <site version list> | <site version list> | <i>Plain</i> |
| maximum of <time interval> | maxima | <time interval> | <time interval> | <i>Plain</i> |
| maximum of <time of day> | maxima | <time of day> | <time of day> | <i>Plain</i> |
| maximum of <time> | maxima | <time> | <time> | <i>Plain</i> |
| maximum of <version> | maxima | <version> | <version> | <i>Plain</i> |
| maximum of <year> | maxima | <year> | <year> | <i>Plain</i> |
| maximum single computer total of <statistical bin> | maximum single computer totals | <floating point> | <statistical bin> | <i>Plain</i> |
| maximum value of <statistical bin> | maximum values | <floating point> | <statistical bin> | <i>Plain</i> |
| may | mays | <month> | <world> | <i>PlainGlobal</i> |
| may <integer> | mays | <day of year> | <world> | <i>NumberedGlobal</i> |
| may <integer> of <integer> | mays | <date> | <integer> | <i>Numbered</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---|---------------------------------|--------------------|----------------------|--------------|
| may of <integer> | mays | <month and year> | <integer> | <i>Plain</i> |
| mean computer count of <statistical bin> | mean computer counts | <floating point> | <statistical bin> | <i>Plain</i> |
| mean failing computer count of <statistical bin> | mean failing computer counts | <floating point> | <statistical bin> | <i>Plain</i> |
| mean logarithm of <statistical bin> | mean logarithms | <floating point> | <statistical bin> | <i>Plain</i> |
| mean nonzero value count of <statistical bin> | mean nonzero value counts | <floating point> | <statistical bin> | <i>Plain</i> |
| mean of <floating point> | means | <floating point> | <floating point> | <i>Plain</i> |
| mean of <integer> | means | <floating point> | <integer> | <i>Plain</i> |
| mean of <statistical bin> | means | <floating point> | <statistical bin> | <i>Plain</i> |
| mean sample interval of <statistical bin> | mean sample intervals | <time interval> | <statistical bin> | <i>Plain</i> |
| mean sample rate of <statistical bin> | mean sample rates | <rate> | <statistical bin> | <i>Plain</i> |
| mean successful computer count of <statistical bin> | mean successful computer counts | <floating point> | <statistical bin> | <i>Plain</i> |
| mean total of <statistical bin> | mean totals | <floating point> | <statistical bin> | <i>Plain</i> |
| mean value count of <statistical bin> | mean value counts | <floating point> | <statistical bin> | <i>Plain</i> |
| mean zero value count of <statistical bin> | mean zero value counts | <floating point> | <statistical bin> | <i>Plain</i> |
| member action of <bes action> | member actions | <bes action> | <bes action> | <i>Plain</i> |
| member action set of <bes action> | member action sets | <bes action set> | <bes action> | <i>Plain</i> |
| member of <bes computer group> | members | <bes computer> | <bes computer group> | <i>Plain</i> |
| member set of <bes computer group> | member sets | <bes computer set> | <bes computer group> | <i>Plain</i> |
| menu path of <bes wizard> | menu paths | <string> | <bes wizard> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|-----------------------------|------------------|------------------|--------------------|
| message action button flag of <bes action> | message action button flags | <boolean> | <bes action> | <i>Plain</i> |
| message allow cancel flag of <bes action> | message allow cancel flags | <boolean> | <bes action> | <i>Plain</i> |
| message of <bes fixlet> | messages | <html> | <bes fixlet> | <i>Plain</i> |
| message postpone delay of <bes action> | message postpone delays | <time interval> | <bes action> | <i>Plain</i> |
| message text of <bes action> | message texts | <string> | <bes action> | <i>Plain</i> |
| message timeout delay of <bes action> | message timeout delays | <time interval> | <bes action> | <i>Plain</i> |
| message title of <bes action> | message titles | <string> | <bes action> | <i>Plain</i> |
| meta <string> of <html> | metas | <html> | <html> | <i>Named</i> |
| meta <string> of <string> | metas | <html> | <string> | <i>Named</i> |
| meta of <html> | metas | <html> | <html> | <i>Plain</i> |
| meta of <string> | metas | <html> | <string> | <i>Plain</i> |
| mhz | mhzs | <hertz> | <world> | <i>PlainGlobal</i> |
| microsecond | microseconds | <time interval> | <world> | <i>PlainGlobal</i> |
| middle action of <bes action> | middle actions | <bes action> | <bes action> | <i>Plain</i> |
| midnight | midnights | <time of day> | <world> | <i>PlainGlobal</i> |
| millisecond | milliseconds | <time interval> | <world> | <i>PlainGlobal</i> |
| mime field <string> of <bes fixlet> | mime fields | <string> | <bes fixlet> | <i>Named</i> |
| minimum of <date> | minima | <date> | <date> | <i>Plain</i> |
| minimum of <day of month> | minima | <day of month> | <day of month> | <i>Plain</i> |
| minimum of <day of year> | minima | <day of year> | <day of year> | <i>Plain</i> |
| minimum of <floating point> | minima | <floating point> | <floating point> | <i>Plain</i> |
| minimum of <hertz> | minima | <hertz> | <hertz> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|--------------------------------|---------------------|------------------------------|--------------------|
| minimum of <integer> | minima | <integer> | <integer> | <i>Plain</i> |
| minimum of <ipv4 address> | minima | <ipv4 address> | <ipv4 address> | <i>Plain</i> |
| minimum of <ipv6 address> | minima | <ipv6 address> | <ipv6 address> | <i>Plain</i> |
| minimum of <month and year> | minima | <month and year> | <month and year> | <i>Plain</i> |
| minimum of <month> | minima | <month> | <month> | <i>Plain</i> |
| minimum of <number of months> | minima | <number of months> | <number of months> | <i>Plain</i> |
| minimum of <rate> | minima | <rate> | <rate> | <i>Plain</i> |
| minimum of <site version list> | minima | <site version list> | <site version list> | <i>Plain</i> |
| minimum of <time interval> | minima | <time interval> | <time interval> | <i>Plain</i> |
| minimum of <time of day> | minima | <time of day> | <time of day> | <i>Plain</i> |
| minimum of <time> | minima | <time> | <time> | <i>Plain</i> |
| minimum of <version> | minima | <version> | <version> | <i>Plain</i> |
| minimum of <year> | minima | <year> | <year> | <i>Plain</i> |
| minimum single computer total of <statistical bin> | minimum single computer totals | <floating point> | <statistical bin> | <i>Plain</i> |
| minimum value of <statistical bin> | minimum values | <floating point> | <statistical bin> | <i>Plain</i> |
| minute | minutes | <time interval> | <world> | <i>PlainGlobal</i> |
| minute_of_hour of <time of day with time zone> | minutes_of_hour | <integer> | <time of day with time zone> | <i>Plain</i> |
| minute_of_hour of <time of day> | minutes_of_hour | <integer> | <time of day> | <i>Plain</i> |
| modification time of <bes activation> | modification times | <time> | <bes activation> | <i>Plain</i> |
| module <string> | modules | <module> | <world> | <i>NamedGlobal</i> |
| monday | mondays | <day of week> | <world> | <i>PlainGlobal</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|---------------------------|--------------------|--|-----------------------|
| month | months | <number of months> | <world> | <i>PlainGlobal</i> |
| month <integer> | months | <month> | <world> | <i>NumberedGlobal</i> |
| month <string> | months | <month> | <world> | <i>NamedGlobal</i> |
| month of <date> | months | <month> | <date> | <i>Plain</i> |
| month of <day of year> | months | <month> | <day of year> | <i>Plain</i> |
| month of <month and year> | months | <month> | <month and year> | <i>Plain</i> |
| month_and_year of <date> | months_and_years | <month and year> | <date> | <i>Plain</i> |
| more significance <integer> of <floating point> | more significances | <floating point> | <floating point> | <i>Numbered</i> |
| most significant one bit of <bit set> | most significant one bits | <integer> | <bit set> | <i>Plain</i> |
| multiple flag of <bes action> | multiple flags | <boolean> | <bes action> | <i>Plain</i> |
| multiplicity of <bes action with multiplicity> | multiplicities | <integer> | <bes action with multiplicity> | <i>Plain</i> |
| multiplicity of <bes computer group with multiplicity> | multiplicities | <integer> | <bes computer group with multiplicity> | <i>Plain</i> |
| multiplicity of <bes computer with multiplicity> | multiplicities | <integer> | <bes computer with multiplicity> | <i>Plain</i> |
| multiplicity of <bes filter with multiplicity> | multiplicities | <integer> | <bes filter with multiplicity> | <i>Plain</i> |
| multiplicity of <bes fixlet with multiplicity> | multiplicities | <integer> | <bes fixlet with multiplicity> | <i>Plain</i> |
| multiplicity of <bes property with multiplicity> | multiplicities | <integer> | <bes property with multiplicity> | <i>Plain</i> |
| multiplicity of <bes user with multiplicity> | multiplicities | <integer> | <bes user with multiplicity> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---|----------------|------------------|---------------------------------------|--------------|
| multiplicity of <date with multiplicity> | multiplicities | <integer> | <date with multiplicity> | <i>Plain</i> |
| multiplicity of <day of month with multiplicity> | multiplicities | <integer> | <day of month with multiplicity> | <i>Plain</i> |
| multiplicity of <day of week with multiplicity> | multiplicities | <integer> | <day of week with multiplicity> | <i>Plain</i> |
| multiplicity of <day of year with multiplicity> | multiplicities | <integer> | <day of year with multiplicity> | <i>Plain</i> |
| multiplicity of <floating point with multiplicity> | multiplicities | <integer> | <floating point with multiplicity> | <i>Plain</i> |
| multiplicity of <hertz with multiplicity> | multiplicities | <integer> | <hertz with multiplicity> | <i>Plain</i> |
| multiplicity of <integer with multiplicity> | multiplicities | <integer> | <integer with multiplicity> | <i>Plain</i> |
| multiplicity of <ipv4 address with multiplicity> | multiplicities | <integer> | <ipv4 address with multiplicity> | <i>Plain</i> |
| multiplicity of <ipv6 address with multiplicity> | multiplicities | <integer> | <ipv6 address with multiplicity> | <i>Plain</i> |
| multiplicity of <month and year with multiplicity> | multiplicities | <integer> | <month and year with multiplicity> | <i>Plain</i> |
| multiplicity of <month with multiplicity> | multiplicities | <integer> | <month with multiplicity> | <i>Plain</i> |
| multiplicity of <number of months with multiplicity> | multiplicities | <integer> | <number of months with multiplicity> | <i>Plain</i> |
| multiplicity of <rate with multiplicity> | multiplicities | <integer> | <rate with multiplicity> | <i>Plain</i> |
| multiplicity of <site version list with multiplicity> | multiplicities | <integer> | <site version list with multiplicity> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|----------------|------------------|--|--------------|
| multiplicity of <string with multiplicity> | multiplicities | <integer> | <string with multiplicity> | <i>Plain</i> |
| multiplicity of <time interval with multiplicity> | multiplicities | <integer> | <time interval with multiplicity> | <i>Plain</i> |
| multiplicity of <time of day with multiplicity> | multiplicities | <integer> | <time of day with multiplicity> | <i>Plain</i> |
| multiplicity of <time of day with time zone with multiplicity> | multiplicities | <integer> | <time of day with time zone with multiplicity> | <i>Plain</i> |
| multiplicity of <time range with multiplicity> | multiplicities | <integer> | <time range with multiplicity> | <i>Plain</i> |
| multiplicity of <time with multiplicity> | multiplicities | <integer> | <time with multiplicity> | <i>Plain</i> |
| multiplicity of <time zone with multiplicity> | multiplicities | <integer> | <time zone with multiplicity> | <i>Plain</i> |
| multiplicity of <version with multiplicity> | multiplicities | <integer> | <version with multiplicity> | <i>Plain</i> |
| multiplicity of <year with multiplicity> | multiplicities | <integer> | <year with multiplicity> | <i>Plain</i> |
| multivalued of <property> | multivalueds | <boolean> | <property> | <i>Plain</i> |
| name of <bes action parameter> | names | <string> | <bes action parameter> | <i>Plain</i> |
| name of <bes action> | names | <string> | <bes action> | <i>Plain</i> |
| name of <bes activation> | names | <string> | <bes activation> | <i>Plain</i> |
| name of <bes baseline component group> | names | <string> | <bes baseline component group> | <i>Plain</i> |
| name of <bes baseline component> | names | <string> | <bes baseline component> | <i>Plain</i> |
| name of <bes client setting> | names | <string> | <bes client setting> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|------------------------------------|---------------|----------------|----------------------------|-------------|
| name of <bes computer group> | names | <string> | <bes computer group> | Plain |
| name of <bes computer> | names | <string> | <bes computer> | Plain |
| name of <bes deployment option> | names | <string> | <bes deployment option> | Plain |
| name of <bes filter> | names | <string> | <bes filter> | Plain |
| name of <bes fixlet> | names | <string> | <bes fixlet> | Plain |
| name of <bes property> | names | <string> | <bes property> | Plain |
| name of <bes site> | names | <string> | <bes site> | Plain |
| name of <bes unmanagedasset field> | names | <string> | <bes unmanagedasset field> | Plain |
| name of <bes user> | names | <string> | <bes user> | Plain |
| name of <bes wizard variable> | names | <string> | <bes wizard variable> | Plain |
| name of <bes wizard> | names | <string> | <bes wizard> | Plain |
| name of <binary operator> | names | <string> | <binary operator> | Plain |
| name of <cast> | names | <string> | <cast> | Plain |
| name of <type> | names | <string> | <type> | Plain |
| name of <unary operator> | names | <string> | <unary operator> | Plain |
| nan of <floating point> | nans | <boolean> | <floating point> | Plain |
| navbar name of <bes wizard> | navbar names | <string> | <bes wizard> | Plain |
| next sibling of <xml dom node> | next siblings | <xml dom node> | <xml dom node> | Plain |
| node name of <xml dom node> | node names | <string> | <xml dom node> | Plain |
| node type of <xml dom node> | node types | <integer> | <xml dom node> | Plain |
| node value of <xml dom node> | node values | <string> | <xml dom node> | Plain |
| noon | noons | <time of day> | <world> | PlainGlobal |

| Key Phrase | Plural | Creates a | From a | Form |
|--|-------------------------|------------------|------------------|-----------------------|
| normal of <floating point> | normals | <boolean> | <floating point> | <i>Plain</i> |
| november | novembers | <month> | <world> | <i>PlainGlobal</i> |
| november <integer> | novembers | <day of year> | <world> | <i>NumberedGlobal</i> |
| november <integer> of <integer> | novembers | <date> | <integer> | <i>Numbered</i> |
| november of <integer> | novembers | <month and year> | <integer> | <i>Plain</i> |
| now | nows | <time> | <world> | <i>PlainGlobal</i> |
| numeric value of <string> | numeric values | <integer> | <string> | <i>Plain</i> |
| october | octobers | <month> | <world> | <i>PlainGlobal</i> |
| october <integer> | octobers | <day of year> | <world> | <i>NumberedGlobal</i> |
| october <integer> of <integer> | octobers | <date> | <integer> | <i>Numbered</i> |
| october of <integer> | octobers | <month and year> | <integer> | <i>Plain</i> |
| offer category of <bes action> | offer categories | <string> | <bes action> | <i>Plain</i> |
| offer description html of <bes action> | offer description htmls | <html> | <bes action> | <i>Plain</i> |
| offer flag of <bes action> | offer flags | <boolean> | <bes action> | <i>Plain</i> |
| ol <string> of <html> | ols | <html> | <html> | <i>Named</i> |
| ol <string> of <string> | ols | <html> | <string> | <i>Named</i> |
| ol of <html> | ols | <html> | <html> | <i>Plain</i> |
| ol of <string> | ols | <html> | <string> | <i>Plain</i> |
| one bit of <bit set> | one bits | <integer> | <bit set> | <i>Plain</i> |
| open action count of <bes fixlet> | open action counts | <integer> | <bes fixlet> | <i>Plain</i> |
| operand type of <cast> | operand types | <type> | <cast> | <i>Plain</i> |
| operand type of <unary operator> | operand types | <type> | <unary operator> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|-------------------------------------|---------------------|------------------------|------------------|-----------------|
| operating system of <bes computer> | operating systems | <string> | <bes computer> | Plain |
| operator site flag of <bes action> | operator site flags | <boolean> | <bes action> | Plain |
| operator site flag of <bes fixlet> | operator site flags | <boolean> | <bes fixlet> | Plain |
| operator site flag of <bes site> | operator site flags | <boolean> | <bes site> | Plain |
| ordered list <string> of <html> | ordered lists | <html> | <html> | Named |
| ordered list <string> of <string> | ordered lists | <html> | <string> | Named |
| ordered list of <html> | ordered lists | <html> | <html> | Plain |
| ordered list of <string> | ordered lists | <html> | <string> | Plain |
| overflow of <floating point> | overflows | <boolean> | <floating point> | Plain |
| owner document of <xml dom node> | owner documents | <xml dom document> | <xml dom node> | Plain |
| owner flag <bes user> of <bes site> | owner flags | <boolean> | <bes site> | Index<bes user> |
| owner of <bes site> | owners | <bes user> | <bes site> | Plain |
| owner set of <bes site> | owner sets | <bes user set> | <bes site> | Plain |
| p <string> of <html> | ps | <html> | <html> | Named |
| p <string> of <string> | ps | <html> | <string> | Named |
| p of <html> | ps | <html> | <html> | Plain |
| p of <string> | ps | <html> | <string> | Plain |
| parameter <string> of <bes action> | parameters | <string> | <bes action> | Named |
| parameter of <bes action> | parameters | <bes action parameter> | <bes action> | Plain |
| parent group of <bes action> | parent groups | <bes action> | <bes action> | Plain |
| parent node of <xml dom node> | parent nodes | <xml dom node> | <xml dom node> | Plain |
| parent of <type> | parents | <type> | <type> | Plain |

| Key Phrase | Plural | Creates a | From a | Form |
|--|-------------------------------|-------------------|----------------------------|-----------------|
| parenthesized part <integer> of <regular expression match> | parenthesized parts | <substring> | <regular expression match> | <i>Numbered</i> |
| parenthesized part of <regular expression match> | parenthesized parts | <substring> | <regular expression match> | <i>Plain</i> |
| plural flag of <bes property result> | plural flags | <boolean> | <bes property result> | <i>Plain</i> |
| plural name of <property> | plural names | <string> | <property> | <i>Plain</i> |
| position <integer> of <string> | positions | <string position> | <string> | <i>Numbered</i> |
| position of <string> | positions | <string position> | <string> | <i>Plain</i> |
| postaction allow cancel flag of <bes action> | postaction allow cancel flags | <boolean> | <bes action> | <i>Plain</i> |
| postaction force delay of <bes action> | postaction force delays | <time interval> | <bes action> | <i>Plain</i> |
| postaction message text of <bes action> | postaction message texts | <string> | <bes action> | <i>Plain</i> |
| postaction message title of <bes action> | postaction message titles | <string> | <bes action> | <i>Plain</i> |
| postaction postpone delay of <bes action> | postaction postpone delays | <time interval> | <bes action> | <i>Plain</i> |
| pre <string> of <html> | pres | <html> | <html> | <i>Named</i> |
| pre <string> of <string> | pres | <html> | <string> | <i>Named</i> |
| pre of <html> | pres | <html> | <html> | <i>Plain</i> |
| pre of <string> | pres | <html> | <string> | <i>Plain</i> |
| pre60 flag of <bes wizard> | pre60 flags | <boolean> | <bes wizard> | <i>Plain</i> |
| preceding text of <string position> | preceding texts | <substring> | <string position> | <i>Plain</i> |
| preceding text of <substring> | preceding texts | <substring> | <substring> | <i>Plain</i> |
| previous sibling of <xml dom node> | previous siblings | <xml dom node> | <xml dom node> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---|----------------------|-----------------------|-----------------------|--------------------------------|
| private flag of <bes filter> | private flags | <boolean> | <bes filter> | <i>Plain</i> |
| private flag of <bes wizard variable> | private flags | <boolean> | <bes wizard variable> | <i>Plain</i> |
| private variable <string> of <bes wizard> | private variables | <string> | <bes wizard> | <i>Named</i> |
| private variable of <bes wizard> | private variables | <bes wizard variable> | <bes wizard> | <i>Plain</i> |
| product of <integer> | products | <integer> | <integer> | <i>Plain</i> |
| property <integer> of <bes fixlet> | properties | <bes property> | <bes fixlet> | <i>Numbered</i> |
| property <string> | properties | <property> | <world> | <i>NamedGlobal</i> |
| property <string> of <type> | properties | <property> | <type> | <i>Named</i> |
| property of <bes fixlet> | properties | <bes property> | <bes fixlet> | <i>Plain</i> |
| property of <bes property result> | properties | <bes property> | <bes property result> | <i>Plain</i> |
| property of <type> | properties | <property> | <type> | <i>Plain</i> |
| property result of <bes computer> | property results | <bes property result> | <bes computer> | <i>Plain</i> |
| property returning <type> | properties returning | <property> | <world> | <i>Index<type>Global</i> |
| property returning <type> of <type> | properties returning | <property> | <type> | <i>Index<type></i> |
| q <string> of <html> | qs | <html> | <html> | <i>Named</i> |
| q <string> of <string> | qs | <html> | <string> | <i>Named</i> |
| q of <html> | qs | <html> | <html> | <i>Plain</i> |
| q of <string> | qs | <html> | <string> | <i>Plain</i> |
| range <time range> of <statistic range> | ranges | <statistic range> | <statistic range> | <i>Index<time range></i> |
| range after <time> of <time range> | ranges after | <time range> | <time range> | <i>Index<time></i> |
| range before <time> of <time range> | ranges before | <time range> | <time range> | <i>Index<time></i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---|------------------------------|----------------------|--------------------------|--|
| rate <time interval> of <exponential projection> | rates | <floating point> | <exponential projection> | <i>Index<time interval></i> |
| rate of <linear projection> | rates | <rate> | <linear projection> | <i>Plain</i> |
| reader of <bes site> | readers | <bes user> | <bes site> | <i>Plain</i> |
| reader set of <bes site> | reader sets | <bes user set> | <bes site> | <i>Plain</i> |
| reapplication interval of <bes action> | reapplication intervals | <time interval> | <bes action> | <i>Plain</i> |
| reapplication limit of <bes action> | reapplication limits | <integer> | <bes action> | <i>Plain</i> |
| reapply flag of <bes action> | reapply flags | <boolean> | <bes action> | <i>Plain</i> |
| regex <string> | regexes | <regular expression> | <world> | <i>NamedGlobal</i> |
| regular expression <string> | regular expressions | <regular expression> | <world> | <i>NamedGlobal</i> |
| relative significance place <integer> of <floating point> | relative significance places | <floating point> | <floating point> | <i>Numbered</i> |
| relative significance place of <floating point> | relative significance places | <floating point> | <floating point> | <i>Plain</i> |
| relay distance of <bes computer> | relay distances | <integer> | <bes computer> | <i>Plain</i> |
| relay hostname of <bes computer> | relay hostnames | <string> | <bes computer> | <i>Plain</i> |
| relay selection method of <bes computer> | relay selection methods | <string> | <bes computer> | <i>Plain</i> |
| relay server flag of <bes computer> | relay server flags | <boolean> | <bes computer> | <i>Plain</i> |
| relay server of <bes computer> | relay servers | <string> | <bes computer> | <i>Plain</i> |
| relevance of <bes baseline component> | relevances | <string> | <bes baseline component> | <i>Plain</i> |
| relevance of <bes fixlet> | relevances | <string> | <bes fixlet> | <i>Plain</i> |
| relevant <(bes computer, bes fixlet)> | relevants | <boolean> | <world> | <i>Index<(bes computer, bes fixlet)>Global</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---|--------------------------|---------------------|---------------------|--|
| relevant <(bes fixlet, bes computer)> | relevants | <boolean> | <world> | <i>Index<(bes fixlet, bes computer)>Global</i> |
| relevant <bes computer> of <bes fixlet> | relevants | <boolean> | <bes fixlet> | <i>Index<bes computer></i> |
| relevant <bes fixlet> of <bes computer> | relevants | <boolean> | <bes computer> | <i>Index<bes fixlet></i> |
| relevant fixlet of <bes computer> | relevant fixlets | <bes fixlet> | <bes computer> | <i>Plain</i> |
| relevant fixlet set of <bes computer> | relevant fixlet sets | <bes fixlet set> | <bes computer> | <i>Plain</i> |
| relevant flag of <bes fixlet result> | relevant flags | <boolean> | <bes fixlet result> | <i>Plain</i> |
| reported action set of <bes computer> | reported action sets | <bes action set> | <bes computer> | <i>Plain</i> |
| reported computer set of <bes action> | reported computer sets | <bes computer set> | <bes action> | <i>Plain</i> |
| reported computer set of <bes property> | reported computer sets | <bes computer set> | <bes property> | <i>Plain</i> |
| reported property set of <bes computer> | reported property sets | <bes property set> | <bes computer> | <i>Plain</i> |
| require user absence of <bes action> | require user absences | <boolean> | <bes action> | <i>Plain</i> |
| require user presence of <bes action> | require user presences | <boolean> | <bes action> | <i>Plain</i> |
| requires authoring flag of <bes wizard> | requires authoring flags | <boolean> | <bes wizard> | <i>Plain</i> |
| reserved flag of <bes property> | reserved flags | <boolean> | <bes property> | <i>Plain</i> |
| restart flag of <bes action> | restart flags | <boolean> | <bes action> | <i>Plain</i> |
| result <(bes action, bes computer)> | results | <bes action result> | <world> | <i>Index<(bes action, bes computer)>Global</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|--------------|-----------------------|-------------------|--|
| result <(bes computer, bes action)> | results | <bes action result> | <world> | <i>Index<(bes computer, bes action)>Global</i> |
| result <(bes computer, bes fixlet)> | results | <bes fixlet result> | <world> | <i>Index<(bes computer, bes fixlet)>Global</i> |
| result <(bes computer, bes property)> | results | <bes property result> | <world> | <i>Index<(bes computer, bes property)>Global</i> |
| result <(bes fixlet, bes computer)> | results | <bes fixlet result> | <world> | <i>Index<(bes fixlet, bes computer)>Global</i> |
| result <(bes property, bes computer)> | results | <bes property result> | <world> | <i>Index<(bes property, bes computer)>Global</i> |
| result from <bes action> of <bes computer> | results from | <bes action result> | <bes computer> | <i>Index<bes action></i> |
| result from <bes computer> of <bes action> | results from | <bes action result> | <bes action> | <i>Index<bes computer></i> |
| result from <bes computer> of <bes fixlet> | results from | <bes fixlet result> | <bes fixlet> | <i>Index<bes computer></i> |
| result from <bes computer> of <bes property> | results from | <bes property result> | <bes property> | <i>Index<bes computer></i> |
| result from <bes fixlet> of <bes computer> | results from | <bes fixlet result> | <bes computer> | <i>Index<bes fixlet></i> |
| result from <bes property> of <bes computer> | results from | <bes property result> | <bes computer> | <i>Index<bes property></i> |
| result of <bes action> | results | <bes action result> | <bes action> | <i>Plain</i> |
| result of <bes fixlet> | results | <bes fixlet result> | <bes fixlet> | <i>Plain</i> |
| result of <bes property> | results | <bes property result> | <bes property> | <i>Plain</i> |
| result type of <binary operator> | result types | <type> | <binary operator> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|-----------------------------|-----------------|----------------------|--------------------|
| result type of <property> | result types | <type> | <property> | <i>Plain</i> |
| result type of <unary operator> | result types | <type> | <unary operator> | <i>Plain</i> |
| retry count of <bes action result> | retry counts | <integer> | <bes action result> | <i>Plain</i> |
| retry delay of <bes action> | retry delays | <time interval> | <bes action> | <i>Plain</i> |
| retry limit of <bes action> | retry limits | <integer> | <bes action> | <i>Plain</i> |
| retry wait for reboot flag of <bes action> | retry wait for reboot flags | <boolean> | <bes action> | <i>Plain</i> |
| right operand type of <binary operator> | right operand types | <type> | <binary operator> | <i>Plain</i> |
| right shift <integer> of <bit set> | right shifts | <bit set> | <bit set> | <i>Numbered</i> |
| root server flag of <bes computer> | root server flags | <boolean> | <bes computer> | <i>Plain</i> |
| root server of <bes computer> | root servers | <string> | <bes computer> | <i>Plain</i> |
| rope <string> | ropes | <rope> | <world> | <i>NamedGlobal</i> |
| running message text of <bes action> | running message texts | <string> | <bes action> | <i>Plain</i> |
| running message title of <bes action> | running message titles | <string> | <bes action> | <i>Plain</i> |
| samp <string> of <html> | samps | <html> | <html> | <i>Named</i> |
| samp <string> of <string> | samps | <html> | <string> | <i>Named</i> |
| samp of <html> | samps | <html> | <html> | <i>Plain</i> |
| samp of <string> | samps | <html> | <string> | <i>Plain</i> |
| sans id list of <bes fixlet> | sans id lists | <string> | <bes fixlet> | <i>Plain</i> |
| saturday | saturdays | <day of week> | <world> | <i>PlainGlobal</i> |
| scope of <bes client setting> | scopes | <string> | <bes client setting> | <i>Plain</i> |
| script of <bes fixlet action> | scripts | <string> | <bes fixlet action> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|-------------------------|--------------------------|------------------------------|-----------------------|
| script type of <bes fixlet action> | script types | <string> | <bes fixlet action> | <i>Plain</i> |
| second | seconds | <time interval> | <world> | <i>PlainGlobal</i> |
| second_of_minute of <time of day with time zone> | seconds_of_minute | <integer> | <time of day with time zone> | <i>Plain</i> |
| second_of_minute of <time of day> | seconds_of_minute | <integer> | <time of day> | <i>Plain</i> |
| select <string> of <xml dom node> | selects | <xml dom node> | <xml dom node> | <i>Named</i> |
| selected groups string of <bes action> | selected groups strings | <string> | <bes action> | <i>Plain</i> |
| september | septembers | <month> | <world> | <i>PlainGlobal</i> |
| september <integer> | septembers | <day of year> | <world> | <i>NumberedGlobal</i> |
| september <integer> of <integer> | septembers | <date> | <integer> | <i>Numbered</i> |
| september of <integer> | septembers | <month and year> | <integer> | <i>Plain</i> |
| set of <bes action> | sets | <bes action set> | <bes action> | <i>Plain</i> |
| set of <bes computer group> | sets | <bes computer group set> | <bes computer group> | <i>Plain</i> |
| set of <bes computer> | sets | <bes computer set> | <bes computer> | <i>Plain</i> |
| set of <bes filter> | sets | <bes filter set> | <bes filter> | <i>Plain</i> |
| set of <bes fixlet> | sets | <bes fixlet set> | <bes fixlet> | <i>Plain</i> |
| set of <bes property> | sets | <bes property set> | <bes property> | <i>Plain</i> |
| set of <bes user> | sets | <bes user set> | <bes user> | <i>Plain</i> |
| set of <integer> | sets | <integer set> | <integer> | <i>Plain</i> |
| set of <string> | sets | <string set> | <string> | <i>Plain</i> |
| settings flag of <bes action> | settings flags | <boolean> | <bes action> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|----------------------------|-----------------------|----------------------|--------------------|
| sha1 of <x509 certificate> | sha1s | <string> | <x509 certificate> | <i>Plain</i> |
| shared variable <string> of <bes wizard> | shared variables | <string> | <bes wizard> | <i>Named</i> |
| shared variable of <bes wizard> | shared variables | <bes wizard variable> | <bes wizard> | <i>Plain</i> |
| show message flag of <bes action> | show message flags | <boolean> | <bes action> | <i>Plain</i> |
| show running message flag of <bes action> | show running message flags | <boolean> | <bes action> | <i>Plain</i> |
| shutdown flag of <bes action> | shutdown flags | <boolean> | <bes action> | <i>Plain</i> |
| significance place <integer> of <floating point> | significance places | <floating point> | <floating point> | <i>Numbered</i> |
| significance place of <floating point> | significance places | <floating point> | <floating point> | <i>Plain</i> |
| significance threshold of <floating point> | significance thresholds | <floating point> | <floating point> | <i>Plain</i> |
| significant digits <integer> of <hertz> | significant digitss | <hertz> | <hertz> | <i>Numbered</i> |
| significant digits <integer> of <integer> | significant digitss | <integer> | <integer> | <i>Numbered</i> |
| simple name of <bes property> | simple names | <string> | <bes property> | <i>Plain</i> |
| single flag of <bes action> | single flags | <boolean> | <bes action> | <i>Plain</i> |
| singular name of <property> | singular names | <string> | <property> | <i>Plain</i> |
| site of <bes computer group> | sites | <bes site> | <bes computer group> | <i>Plain</i> |
| site of <bes fixlet> | sites | <bes site> | <bes fixlet> | <i>Plain</i> |
| site of <bes wizard> | sites | <bes site> | <bes wizard> | <i>Plain</i> |
| site version list <string> | site version lists | <site version list> | <world> | <i>NamedGlobal</i> |
| size of <bes action set> | sizes | <integer> | <bes action set> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|---------------------------|------------------|--------------------------|-------|
| size of <bes computer group set> | sizes | <integer> | <bes computer group set> | Plain |
| size of <bes computer set> | sizes | <integer> | <bes computer set> | Plain |
| size of <bes filter set> | sizes | <integer> | <bes filter set> | Plain |
| size of <bes fixlet set> | sizes | <integer> | <bes fixlet set> | Plain |
| size of <bes property set> | sizes | <integer> | <bes property set> | Plain |
| size of <bes user set> | sizes | <integer> | <bes user set> | Plain |
| size of <integer set> | sizes | <integer> | <integer set> | Plain |
| size of <string set> | sizes | <integer> | <string set> | Plain |
| size of <type> | sizes | <integer> | <type> | Plain |
| skewness of <statistical bin> | skewnesses | <floating point> | <statistical bin> | Plain |
| small <string> of <html> | smalls | <html> | <html> | Named |
| small <string> of <string> | smalls | <html> | <string> | Named |
| small of <html> | smalls | <html> | <html> | Plain |
| small of <string> | smalls | <html> | <string> | Plain |
| source analysis of <bes property> | source analyses | <bes fixlet> | <bes property> | Plain |
| source evaluation period of <bes property> | source evaluation periods | <time interval> | <bes property> | Plain |
| source fixlet of <bes action> | source fixlets | <bes fixlet> | <bes action> | Plain |
| source fixlet of <bes baseline component> | source fixlets | <bes fixlet> | <bes baseline component> | Plain |
| source id of <bes fixlet> | source ids | <string> | <bes fixlet> | Plain |
| source id of <bes property> | source ids | <integer> | <bes property> | Plain |
| source name of <bes property> | source names | <string> | <bes property> | Plain |
| source of <bes fixlet> | sources | <string> | <bes fixlet> | Plain |

| Key Phrase | Plural | Creates a | From a | Form |
|---|----------------------|---------------------|----------------------|--------------|
| source of <bes unmanagedasset> | sources | <string> | <bes unmanagedasset> | <i>Plain</i> |
| source release date of <bes fixlet> | source release dates | <date> | <bes fixlet> | <i>Plain</i> |
| source relevance of <bes action> | source relevances | <string> | <bes action> | <i>Plain</i> |
| source severity of <bes fixlet> | source severities | <string> | <bes fixlet> | <i>Plain</i> |
| source severity of <fixlet count pair> | source severitys | <string> | <fixlet count pair> | <i>Plain</i> |
| span <string> of <html> | spans | <html> | <html> | <i>Named</i> |
| span <string> of <string> | spans | <html> | <string> | <i>Named</i> |
| span of <html> | spans | <html> | <html> | <i>Plain</i> |
| span of <string> | spans | <html> | <string> | <i>Plain</i> |
| standard deviation of <floating point> | standard deviations | <floating point> | <floating point> | <i>Plain</i> |
| standard deviation of <integer> | standard deviations | <floating point> | <integer> | <i>Plain</i> |
| standard deviation of <statistical bin> | standard deviations | <floating point> | <statistical bin> | <i>Plain</i> |
| start date of <bes action> | start dates | <date> | <bes action> | <i>Plain</i> |
| start flag of <bes action> | start flags | <boolean> | <bes action> | <i>Plain</i> |
| start of <statistic range> | starts | <time> | <statistic range> | <i>Plain</i> |
| start of <statistical bin> | starts | <time> | <statistical bin> | <i>Plain</i> |
| start of <substring> | starts | <string position> | <substring> | <i>Plain</i> |
| start of <time range> | starts | <time> | <time range> | <i>Plain</i> |
| start time_of_day of <bes action> | start times_of_day | <time of day> | <bes action> | <i>Plain</i> |
| state of <bes action> | states | <string> | <bes action> | <i>Plain</i> |
| statistic range of <bes property> | statistic ranges | <statistic range> | <bes property> | <i>Plain</i> |
| status of <bes action result> | statuses | <bes action status> | <bes action result> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---|--------------------------------|--------------------|---------------|--------------------|
| stopper of <bes action> | stoppers | <bes user> | <bes action> | <i>Plain</i> |
| string <string> | strings | <string> | <world> | <i>NamedGlobal</i> |
| strong <string> of <html> | strongs | <html> | <html> | <i>Named</i> |
| strong <string> of <string> | strongs | <html> | <string> | <i>Named</i> |
| strong of <html> | strongs | <html> | <html> | <i>Plain</i> |
| strong of <string> | strongs | <html> | <string> | <i>Plain</i> |
| sub <string> of <html> | subs | <html> | <html> | <i>Named</i> |
| sub <string> of <string> | subs | <html> | <string> | <i>Named</i> |
| sub of <html> | subs | <html> | <html> | <i>Plain</i> |
| sub of <string> | subs | <html> | <string> | <i>Plain</i> |
| subscribed computer of <bes site> | subscribed computers | <bes computer> | <bes site> | <i>Plain</i> |
| subscribed computer set of <bes site> | subscribed computer sets | <bes computer set> | <bes site> | <i>Plain</i> |
| subscription flag of <bes action> | subscription flags | <boolean> | <bes action> | <i>Plain</i> |
| substring <string> of <string> | substrings | <substring> | <string> | <i>Named</i> |
| substring after <string> of <string> | substrings after | <substring> | <string> | <i>Named</i> |
| substring before <string> of <string> | substrings before | <substring> | <string> | <i>Named</i> |
| substring between <string> of <string> | substrings between | <substring> | <string> | <i>Named</i> |
| substring separated by <string> of <string> | substrings separated by | <substring> | <string> | <i>Named</i> |
| success on custom relevance of <bes action> | success on custom relevances | <boolean> | <bes action> | <i>Plain</i> |
| success on original relevance of <bes action> | success on original relevances | <boolean> | <bes action> | <i>Plain</i> |
| success on run to completion of <bes action> | success on run to completions | <boolean> | <bes action> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---|----------------------------|--------------------|-------------------|--------------------|
| success rate of <statistical bin> | success rates | <floating point> | <statistical bin> | <i>Plain</i> |
| sum of <integer> | sums | <integer> | <integer> | <i>Plain</i> |
| sunday | sundays | <day of week> | <world> | <i>PlainGlobal</i> |
| sup <string> of <html> | sups | <html> | <html> | <i>Named</i> |
| sup <string> of <string> | sups | <html> | <string> | <i>Named</i> |
| sup of <html> | sups | <html> | <html> | <i>Plain</i> |
| sup of <string> | sups | <html> | <string> | <i>Plain</i> |
| symbol of <binary operator> | symbols | <string> | <binary operator> | <i>Plain</i> |
| symbol of <unary operator> | symbols | <string> | <unary operator> | <i>Plain</i> |
| table <string> of <html> | tables | <html> | <html> | <i>Named</i> |
| table <string> of <string> | tables | <html> | <string> | <i>Named</i> |
| table of <html> | tables | <html> | <html> | <i>Plain</i> |
| table of <string> | tables | <html> | <string> | <i>Plain</i> |
| targeted by id flag of <bes action> | targeted by id flags | <boolean> | <bes action> | <i>Plain</i> |
| targeted by list flag of <bes action> | targeted by list flags | <boolean> | <bes action> | <i>Plain</i> |
| targeted by property flag of <bes action> | targeted by property flags | <boolean> | <bes action> | <i>Plain</i> |
| targeted computer of <bes action> | targeted computers | <bes computer> | <bes action> | <i>Plain</i> |
| targeted computer set of <bes action> | targeted computer sets | <bes computer set> | <bes action> | <i>Plain</i> |
| targeted list of <bes action> | targeted lists | <string> | <bes action> | <i>Plain</i> |
| targeted name of <bes action> | targeted names | <string> | <bes action> | <i>Plain</i> |
| targeting method of <bes action> | targeting methods | <string> | <bes action> | <i>Plain</i> |
| targeting relevance of <bes action> | targeting relevances | <string> | <bes action> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---------------------------------------|------------------------|------------------|---------------|--------------|
| task flag of <bes filter> | task flags | <boolean> | <bes filter> | <i>Plain</i> |
| task flag of <bes fixlet> | task flags | <boolean> | <bes fixlet> | <i>Plain</i> |
| task set of <bes filter> | task sets | <bes fixlet set> | <bes filter> | <i>Plain</i> |
| tbody <string> of <html> | tbody | <html> | <html> | <i>Named</i> |
| tbody <string> of <string> | tbody | <html> | <string> | <i>Named</i> |
| tbody of <html> | tbody | <html> | <html> | <i>Plain</i> |
| tbody of <string> | tbody | <html> | <string> | <i>Plain</i> |
| td <string> of <html> | tds | <html> | <html> | <i>Named</i> |
| td <string> of <string> | tds | <html> | <string> | <i>Named</i> |
| td of <html> | tds | <html> | <html> | <i>Plain</i> |
| td of <string> | tds | <html> | <string> | <i>Plain</i> |
| temporal distribution of <bes action> | temporal distributions | <time interval> | <bes action> | <i>Plain</i> |
| text of <bes comment> | texts | <string> | <bes comment> | <i>Plain</i> |
| tfoot <string> of <html> | tfoot | <html> | <html> | <i>Named</i> |
| tfoot <string> of <string> | tfoot | <html> | <string> | <i>Named</i> |
| tfoot of <html> | tfoot | <html> | <html> | <i>Plain</i> |
| tfoot of <string> | tfoot | <html> | <string> | <i>Plain</i> |
| th <string> of <html> | th | <html> | <html> | <i>Named</i> |
| th <string> of <string> | th | <html> | <string> | <i>Named</i> |
| th of <html> | th | <html> | <html> | <i>Plain</i> |
| th of <string> | th | <html> | <string> | <i>Plain</i> |
| thead <string> of <html> | thead | <html> | <html> | <i>Named</i> |
| thead <string> of <string> | thead | <html> | <string> | <i>Named</i> |
| thead of <html> | thead | <html> | <html> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|---------------------------|------------------------------|------------------------------|-----------------------------------|
| thead of <string> | theads | <html> | <string> | <i>Plain</i> |
| thursday | thursdays | <day of week> | <world> | <i>PlainGlobal</i> |
| time <string> | times | <time> | <world> | <i>NamedGlobal</i> |
| time <time zone> of <time> | times | <time of day with time zone> | <time> | <i>Index<time zone></i> |
| time interval <string> | time intervals | <time interval> | <world> | <i>NamedGlobal</i> |
| time issued of <bes action> | times issued | <time> | <bes action> | <i>Plain</i> |
| time of <historical computer count> | times | <time> | <historical computer count> | <i>Plain</i> |
| time of <historical fixlet count> | times | <time> | <historical fixlet count> | <i>Plain</i> |
| time of <time of day with time zone> | times | <time of day> | <time of day with time zone> | <i>Plain</i> |
| time range end of <bes action> | time range ends | <time of day> | <bes action> | <i>Plain</i> |
| time range start of <bes action> | time range starts | <time of day> | <bes action> | <i>Plain</i> |
| time stopped of <bes action> | times stopped | <time> | <bes action> | <i>Plain</i> |
| time zone <string> | time zones | <time zone> | <world> | <i>NamedGlobal</i> |
| time_of_day <string> | times_of_day | <time of day> | <world> | <i>NamedGlobal</i> |
| timestamp of <bes comment> | timestamps | <time> | <bes comment> | <i>Plain</i> |
| title <string> of <html> | titles | <html> | <html> | <i>Named</i> |
| title <string> of <string> | titles | <html> | <string> | <i>Named</i> |
| title of <html> | titles | <html> | <html> | <i>Plain</i> |
| title of <string> | titles | <html> | <string> | <i>Plain</i> |
| top level bes action | top level bes actions | <bes action> | <world> | <i>PlainGlobal</i> |
| top level bes action set | top level bes action sets | <bes action set> | <world> | <i>PlainGlobal</i> |
| total <time interval> of <statistic range> | totals | <statistical bin> | <statistic range> | <i>Index<time interval></i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|--------------------|-------------------|------------------------------|--------------------|
| total lower bound of <statistical bin> | total lower bounds | <floating point> | <statistical bin> | <i>Plain</i> |
| total of <statistic range> | totals | <statistical bin> | <statistic range> | <i>Plain</i> |
| total upper bound of <statistical bin> | total upper bounds | <floating point> | <statistical bin> | <i>Plain</i> |
| tr <string> of <html> | trs | <html> | <html> | <i>Named</i> |
| tr <string> of <string> | trs | <html> | <string> | <i>Named</i> |
| tr of <html> | trs | <html> | <html> | <i>Plain</i> |
| tr of <string> | trs | <html> | <string> | <i>Plain</i> |
| true | trues | <boolean> | <world> | <i>PlainGlobal</i> |
| tt <string> of <html> | tts | <html> | <html> | <i>Named</i> |
| tt <string> of <string> | tts | <html> | <string> | <i>Named</i> |
| tt of <html> | tts | <html> | <html> | <i>Plain</i> |
| tt of <string> | tts | <html> | <string> | <i>Plain</i> |
| tuesday | tuesdays | <day of week> | <world> | <i>PlainGlobal</i> |
| tuple string item <integer> of <string> | tuple string items | <string> | <string> | <i>Numbered</i> |
| tuple string item of <string> | tuple string items | <string> | <string> | <i>Plain</i> |
| two digit hour of <time of day with time zone> | two digit hours | <string> | <time of day with time zone> | <i>Plain</i> |
| two digit hour of <time of day> | two digit hours | <string> | <time of day> | <i>Plain</i> |
| two digit minute of <time of day with time zone> | two digit minutes | <string> | <time of day with time zone> | <i>Plain</i> |
| two digit minute of <time of day> | two digit minutes | <string> | <time of day> | <i>Plain</i> |
| two digit second of <time of day with time zone> | two digit seconds | <string> | <time of day with time zone> | <i>Plain</i> |
| two digit second of <time of day> | two digit seconds | <string> | <time of day> | <i>Plain</i> |
| type of <bes fixlet> | types | <string> | <bes fixlet> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|---------------------------|--|--------------------------------|--------------------------------|
| type of <distinguished name component> | types | <string> | <distinguished name component> | <i>Plain</i> |
| ul <string> of <html> | uls | <html> | <html> | <i>Named</i> |
| ul <string> of <string> | uls | <html> | <string> | <i>Named</i> |
| ul of <html> | uls | <html> | <html> | <i>Plain</i> |
| ul of <string> | uls | <html> | <string> | <i>Plain</i> |
| unary operator <string> | unary operators | <unary operator> | <world> | <i>NamedGlobal</i> |
| unary operator returning <type> | unary operators returning | <unary operator> | <world> | <i>Index<type>Global</i> |
| underflow of <floating point> | underflows | <boolean> | <floating point> | <i>Plain</i> |
| union of <bes action set> | unions | <bes action set> | <bes action set> | <i>Plain</i> |
| union of <bes computer group set> | unions | <bes computer group set> | <bes computer group set> | <i>Plain</i> |
| union of <bes computer set> | unions | <bes computer set> | <bes computer set> | <i>Plain</i> |
| union of <bes filter set> | unions | <bes filter set> | <bes filter set> | <i>Plain</i> |
| union of <bes fixlet set> | unions | <bes fixlet set> | <bes fixlet set> | <i>Plain</i> |
| union of <bes property set> | unions | <bes property set> | <bes property set> | <i>Plain</i> |
| union of <bes user set> | unions | <bes user set> | <bes user set> | <i>Plain</i> |
| union of <integer set> | unions | <integer set> | <integer set> | <i>Plain</i> |
| union of <string set> | unions | <string set> | <string set> | <i>Plain</i> |
| unique value of <bes action> | unique values | <bes action with multiplicity> | <bes action> | <i>Plain</i> |
| unique value of <bes computer group> | unique values | <bes computer group with multiplicity> | <bes computer group> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|----------------------------------|---------------|------------------------------------|------------------|--------------|
| unique value of <bes computer> | unique values | <bes computer with multiplicity> | <bes computer> | <i>Plain</i> |
| unique value of <bes filter> | unique values | <bes filter with multiplicity> | <bes filter> | <i>Plain</i> |
| unique value of <bes fixlet> | unique values | <bes fixlet with multiplicity> | <bes fixlet> | <i>Plain</i> |
| unique value of <bes property> | unique values | <bes property with multiplicity> | <bes property> | <i>Plain</i> |
| unique value of <bes user> | unique values | <bes user with multiplicity> | <bes user> | <i>Plain</i> |
| unique value of <date> | unique values | <date with multiplicity> | <date> | <i>Plain</i> |
| unique value of <day of month> | unique values | <day of month with multiplicity> | <day of month> | <i>Plain</i> |
| unique value of <day of week> | unique values | <day of week with multiplicity> | <day of week> | <i>Plain</i> |
| unique value of <day of year> | unique values | <day of year with multiplicity> | <day of year> | <i>Plain</i> |
| unique value of <floating point> | unique values | <floating point with multiplicity> | <floating point> | <i>Plain</i> |
| unique value of <hertz> | unique values | <hertz with multiplicity> | <hertz> | <i>Plain</i> |
| unique value of <integer> | unique values | <integer with multiplicity> | <integer> | <i>Plain</i> |
| unique value of <ipv4 address> | unique values | <ipv4 address with multiplicity> | <ipv4 address> | <i>Plain</i> |
| unique value of <ipv6 address> | unique values | <ipv6 address with multiplicity> | <ipv6 address> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|--|-----------------|--|------------------------------|--------------------|
| unique value of <month and year> | unique values | <month and year with multiplicity> | <month and year> | <i>Plain</i> |
| unique value of <month> | unique values | <month with multiplicity> | <month> | <i>Plain</i> |
| unique value of <number of months> | unique values | <number of months with multiplicity> | <number of months> | <i>Plain</i> |
| unique value of <rate> | unique values | <rate with multiplicity> | <rate> | <i>Plain</i> |
| unique value of <site version list> | unique values | <site version list with multiplicity> | <site version list> | <i>Plain</i> |
| unique value of <string> | unique values | <string with multiplicity> | <string> | <i>Plain</i> |
| unique value of <time interval> | unique values | <time interval with multiplicity> | <time interval> | <i>Plain</i> |
| unique value of <time of day with time zone> | unique values | <time of day with time zone with multiplicity> | <time of day with time zone> | <i>Plain</i> |
| unique value of <time of day> | unique values | <time of day with multiplicity> | <time of day> | <i>Plain</i> |
| unique value of <time range> | unique values | <time range with multiplicity> | <time range> | <i>Plain</i> |
| unique value of <time zone> | unique values | <time zone with multiplicity> | <time zone> | <i>Plain</i> |
| unique value of <time> | unique values | <time with multiplicity> | <time> | <i>Plain</i> |
| unique value of <version> | unique values | <version with multiplicity> | <version> | <i>Plain</i> |
| unique value of <year> | unique values | <year with multiplicity> | <year> | <i>Plain</i> |
| universal time <string> | universal times | <time> | <world> | <i>NamedGlobal</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---|--|--------------------|--------------------------|--------------------|
| universal time zone | universal time zones | <time zone> | <world> | <i>PlainGlobal</i> |
| unknown computer count of <bes baseline component> | unknown computer counts | <integer> | <bes baseline component> | <i>Plain</i> |
| unknown computer set of <bes baseline component> | unknown computer sets | <bes computer set> | <bes baseline component> | <i>Plain</i> |
| unlocked computer count of <bes fixlet> | unlocked computer counts | <integer> | <bes fixlet> | <i>Plain</i> |
| unmanagedasset flag of <bes filter> | unmanagedasset flags | <boolean> | <bes filter> | <i>Plain</i> |
| unmanagedasset privilege scanpoint flag of <bes user> | unmanagedasset privilege scanpoint flags | <boolean> | <bes user> | <i>Plain</i> |
| unmanagedasset privilege showall flag of <bes user> | unmanagedasset privilege showall flags | <boolean> | <bes user> | <i>Plain</i> |
| unmanagedasset privilege shownone flag of <bes user> | unmanagedasset privilege shownone flags | <boolean> | <bes user> | <i>Plain</i> |
| unordered list <string> of <html> | unordered lists | <html> | <html> | <i>Named</i> |
| unordered list <string> of <string> | unordered lists | <html> | <string> | <i>Named</i> |
| unordered list of <html> | unordered lists | <html> | <html> | <i>Plain</i> |
| unordered list of <string> | unordered lists | <html> | <string> | <i>Plain</i> |
| untargeted flag of <bes action> | untargeted flags | <boolean> | <bes action> | <i>Plain</i> |
| urgent flag of <bes action> | urgent flags | <boolean> | <bes action> | <i>Plain</i> |
| url of <bes server> | urls of <bes server> | <string> | <bes server> | <i>Plain</i> |
| url of <bes wizard> | urls | <string> | <bes wizard> | <i>Plain</i> |
| user flag of <bes filter> | user flags | <boolean> | <bes filter> | <i>Plain</i> |
| user set of <bes filter> | user sets | <bes user set> | <bes filter> | <i>Plain</i> |
| usual name of <property> | usual names | <string> | <property> | <i>Plain</i> |
| value count of <bes property result> | value counts | <integer> | <bes property result> | <i>Plain</i> |

| Key Phrase | Plural | Creates a | From a | Form |
|---|-----------------------|-----------------------|--------------------------------|-------------|
| value of <bes action parameter> | values | <string> | <bes action parameter> | Plain |
| value of <bes client setting> | values | <string> | <bes client setting> | Plain |
| value of <bes deployment option> | values | <string> | <bes deployment option> | Plain |
| value of <bes property result> | values | <string> | <bes property result> | Plain |
| value of <bes unmanagedasset field> | values | <string> | <bes unmanagedasset field> | Plain |
| value of <bes wizard variable> | values | <string> | <bes wizard variable> | Plain |
| value of <distinguished name component> | values | <string> | <distinguished name component> | Plain |
| var <string> of <html> | vars | <html> | <html> | Named |
| var <string> of <string> | vars | <html> | <string> | Named |
| var of <html> | vars | <html> | <html> | Plain |
| var of <string> | vars | <html> | <string> | Plain |
| variable of <bes wizard> | variables | <bes wizard variable> | <bes wizard> | Plain |
| variance of <statistical bin> | variances | <floating point> | <statistical bin> | Plain |
| version string <string> of <module> | version strings | <string> | <module> | Named |
| wednesday | wednesdays | <day of week> | <world> | PlainGlobal |
| week | weeks | <time interval> | <world> | PlainGlobal |
| windows display time <string> | windows display times | <time> | <world> | NamedGlobal |
| wizard data of <bes fixlet> | wizard datas | <html> | <bes fixlet> | Plain |
| wizard link of <bes fixlet> | wizard links | <string> | <bes fixlet> | Plain |

| Key Phrase | Plural | Creates a | From a | Form |
|--|--------------------|------------------------------|------------------------------|--|
| wizard name of <bes fixlet> | wizard names | <string> | <bes fixlet> | <i>Plain</i> |
| wizard of <bes wizard variable> | wizards | <bes wizard> | <bes wizard variable> | <i>Plain</i> |
| writer of <bes site> | writers | <bes user> | <bes site> | <i>Plain</i> |
| writer set of <bes site> | writer sets | <bes user set> | <bes site> | <i>Plain</i> |
| xml document of <string> | xml documents | <xml dom document> | <string> | <i>Plain</i> |
| xpath <(string, string)> of <xml dom node> | xpaths | <xml dom node> | <xml dom node> | <i>Index<(string, string)></i> |
| xpath <string> of <xml dom node> | xpaths | <xml dom node> | <xml dom node> | <i>Named</i> |
| year | years | <number of months> | <world> | <i>PlainGlobal</i> |
| year <integer> | years | <year> | <world> | <i>NumberedGlobal</i> |
| year <string> | years | <year> | <world> | <i>NamedGlobal</i> |
| year of <date> | years | <year> | <date> | <i>Plain</i> |
| year of <month and year> | years | <year> | <month and year> | <i>Plain</i> |
| zone of <time of day with time zone> | zones | <time zone> | <time of day with time zone> | <i>Plain</i> |
| zoned time_of_day <string> | zoned times_of_day | <time of day with time zone> | <world> | <i>NamedGlobal</i> |

Casting Operators

The casting operators allow you to convert one type to another. This is a list of the casting operators sorted by key phrase.

| Key Phrase | Creates a | From a |
|---------------------------------|---------------|--------------------------|
| <bes action set> as xml | <utf8 string> | <bes action set> |
| <bes action status> as string | <string> | <bes action status> |
| <bes action> as xml | <utf8 string> | <bes action> |
| <bes computer group set> as xml | <utf8 string> | <bes computer group set> |
| <bes computer group> as xml | <utf8 string> | <bes computer group> |
| <bes fixlet set> as xml | <utf8 string> | <bes fixlet set> |
| <bes fixlet> as xml | <utf8 string> | <bes fixlet> |
| <bes property set> as xml | <utf8 string> | <bes property set> |
| <bes property> as xml | <utf8 string> | <bes property> |
| <binary operator> as string | <string> | <binary operator> |
| <bit set> as integer | <integer> | <bit set> |
| <bit set> as string | <string> | <bit set> |
| <boolean> as boolean | <boolean> | <boolean> |
| <boolean> as string | <string> | <boolean> |
| <cast> as string | <string> | <cast> |
| <date> as string | <string> | <date> |
| <day of month> as integer | <integer> | <day of month> |
| <day of month> as string | <string> | <day of month> |
| <day of month> as two digits | <string> | <day of month> |

| Key Phrase | Creates a | From a |
|---|------------------|------------------|
| <day of week> as string | <string> | <day of week> |
| <day of week> as three letters | <string> | <day of week> |
| <day of year> as string | <string> | <day of year> |
| <floating point> as floating point | <floating point> | <floating point> |
| <floating point> as integer | <integer> | <floating point> |
| <floating point> as scientific notation | <string> | <floating point> |
| <floating point> as standard notation | <string> | <floating point> |
| <floating point> as string | <string> | <floating point> |
| <hertz> as string | <string> | <hertz> |
| <html> as html | <html> | <html> |
| <html> as string | <string> | <html> |
| <integer> as bit set | <bit set> | <integer> |
| <integer> as bits | <bit set> | <integer> |
| <integer> as day_of_month | <day of month> | <integer> |
| <integer> as floating point | <floating point> | <integer> |
| <integer> as hexadecimal | <string> | <integer> |
| <integer> as integer | <integer> | <integer> |
| <integer> as month | <month> | <integer> |
| <integer> as string | <string> | <integer> |
| <integer> as year | <year> | <integer> |
| <ipv4 address> as ipv6 address | <ipv6 address> | <ipv4 address> |
| <ipv6 address> as compressed string | <string> | <ipv6 address> |
| <ipv6 address> as compressed string with ipv4 | <string> | <ipv6 address> |

| Key Phrase | Creates a | From a |
|---|------------------|---------------------|
| <ipv6 address> as string | <string> | <ipv6 address> |
| <ipv6 address> as string with ipv4 | <string> | <ipv6 address> |
| <ipv6 address> as string with leading zeros | <string> | <ipv6 address> |
| <month and year> as string | <string> | <month and year> |
| <month> as integer | <integer> | <month> |
| <month> as string | <string> | <month> |
| <month> as three letters | <string> | <month> |
| <month> as two digits | <string> | <month> |
| <number of months> as string | <string> | <number of months> |
| <property> as string | <string> | <property> |
| <rate> as string | <string> | <rate> |
| <rope> as string | <string> | <rope> |
| <site version list> as string | <string> | <site version list> |
| <string> as boolean | <boolean> | <string> |
| <string> as date | <date> | <string> |
| <string> as day_of_month | <day of month> | <string> |
| <string> as day_of_week | <day of week> | <string> |
| <string> as floating point | <floating point> | <string> |
| <string> as hexadecimal | <string> | <string> |
| <string> as html | <html> | <string> |
| <string> as integer | <integer> | <string> |
| <string> as ipv6 address | <ipv6 address> | <string> |

| Key Phrase | Creates a | From a |
|---|------------------------------|------------------------------|
| <string> as left trimmed string | <string> | <string> |
| <string> as local time | <time> | <string> |
| <string> as local zoned time_of_day | <time of day with time zone> | <string> |
| <string> as lowercase | <string> | <string> |
| <string> as month | <month> | <string> |
| <string> as right trimmed string | <string> | <string> |
| <string> as site version list | <site version list> | <string> |
| <string> as string | <string> | <string> |
| <string> as time | <time> | <string> |
| <string> as time interval | <time interval> | <string> |
| <string> as time zone | <time zone> | <string> |
| <string> as time_of_day | <time of day> | <string> |
| <string> as trimmed string | <string> | <string> |
| <string> as universal time | <time> | <string> |
| <string> as universal zoned time_of_day | <time of day with time zone> | <string> |
| <string> as uppercase | <string> | <string> |
| <string> as windows display time | <time> | <string> |
| <string> as year | <year> | <string> |
| <string> as zoned time_of_day | <time of day with time zone> | <string> |
| <time interval> as string | <string> | <time interval> |
| <time of day with time zone> as string | <string> | <time of day with time zone> |

| Key Phrase | Creates a | From a |
|----------------------------|-----------|------------------|
| <time of day> as string | <string> | <time of day> |
| <time range> as string | <string> | <time range> |
| <time zone> as string | <string> | <time zone> |
| <time> as local string | <string> | <time> |
| <time> as string | <string> | <time> |
| <time> as universal string | <string> | <time> |
| <type> as string | <string> | <type> |
| <unary operator> as string | <string> | <unary operator> |
| <xml dom node> as text | <string> | <xml dom node> |
| <xml dom node> as xml | <string> | <xml dom node> |
| <year> as integer | <integer> | <year> |
| <year> as string | <string> | <year> |

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