BigFix Session Library

A Guide to the BigFix Session Inspectors

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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 securitiy 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:

- `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
Binary Operator	<object> operator <operator>
Unary Operator	operator <keyword>
Cast	<object> as keyword
Global	keyword
Index<object>	keyword <object> of <object>
Index<object>Global	keyword <object>
Named	keyword "*name*" of <object>
NamedGlobal	keyword "*name*"
Numbered	keyword *number* of <object>
NumberedGlobal	keyword *number*
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.

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 <h1>AT&T</h1>

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:

<A href="linkid:openfixlet(2,1)">BES Clients in Seat Count Grace Mode</A>

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 <A href="linkid:openfixlet(2,1)">Click Here</A>, and:

- `link (b of "Click Here") of bes fixlet whose (id of it is 1)`

Returns <A href="linkid:openfixlet(2,1)">Click Here</A>, 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

NOTE: WebReports does not support 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.

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 = 7.6700694444444448;`
- `statistics[0].MeanSuccessfulComputerCount = 7.6700694444444448;`
- `statistics[0].MeanFailingComputerCount = 0.0000000000000000;`
- `statistics[0].SuccessRate = 1.0000000000000000;`
- `statistics[0].FailureRate = 0.0000000000000000;`
- `statistics[0].MeanValueCount = 1.0000000000000000;`
- `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 = 0.0000000000000000;`
- `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")`

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>	*Plain*	Returns the action corresponding to the action result. Win:6.0
bes action	*PlainGlobal*	Returns all actions, except those that are normally hidden in the console, such as subscription actions, management rights actions, etc. Win:6.0
element of <bes action set>	*Plain*	Retrieves an element of the current BES Action set. Win:7.0
hidden bes action	*PlainGlobal*	Returns all actions that are normally hidden by the console, such as subscription actions, management rights actions, etc. Win:6.0
issued action of <bes user>	*Plain*	Returns all actions, including hidden actions, issued by the specified user. Win:7.0
member action of <bes action>	*Plain*	Returns the individual member actions for the specified multiple action group parent, <bes action>. Win:7.0
middle action of <bes action>	*Plain*	For a start action this iterates over the list of <action> objects that make up the group. Win:6.0

Key Phrase	*Form*	Description
parent group of <bes action>	*Plain*	Returns the parent group action for the specified group action member. Win:7.0
top level bes action	*PlainGlobal*	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	*Cast*	<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>	*Plain*	<string>	Returns the script behind the specified action as a string. Win:6.0
action script type of <bes action>	*Plain*	<string>	Returns the MIME type of the specified action as a string. Win:6.0
applicability relevance of <bes action>	*Plain*	<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>	*Plain*	<bes comment>	Returns the comments assigned to the specified BES Action. Win:7.0
computer group flag of <bes action>	*Plain*	<boolean>	Returns TRUE if the specified action is a computer group action. Win:6.0
constrain by property name of <bes action>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<string>	Returns the custom relevance expression for this action, if it exists. Win:6.0
database id of <bes action>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified action is an end action. Win:6.0
end time_of_day of <bes action>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified action is a group member action. Win:6.0
hidden flag of <bes action>	*Plain*	<boolean>	Returns TRUE if the specified action is a hiding action. Win:6.0

Key Phrase	*Form*	Return Type	Description
id of <bes action>	*Plain*	<integer>	Returns the numeric ID number of the specified BES Action. Win:6.0
issuer of <bes action>	*Plain*	<bes user>	Returns the BES user object corresponding to the issuer of the specified action. Win:6.0
link <html> of <bes action>	*Index<html>*	<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>	*Named*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified action is a management rights action. Win:6.0
member action of <bes action>	*Plain*	<bes action>	Returns the individual member actions for the specified multiple action group parent, <bes action>. Win:7.0

Key Phrase	*Form*	Return Type	Description
member action set of <bes action>	*Plain*	<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>	*Plain*	<boolean>	Returns the value of the message action button flag, one of the settings that control the pre-action user interface. Win:6.0
message allow cancel flag of <bes action>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified action is a multiple action (see single flag of <bes action>). Win:6.0

Key Phrase	*Form*	Return Type	Description
name of <bes action>	*Plain*	<string>	Returns the name of the specified BES action. Win:6.0
operator site flag of <bes action>	*Plain*	<boolean>	Returns TRUE if the action is propagated from a non-master operator's site. Win:6.0
parameter <string> of <bes action>	*Named*	<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>	*Plain*	<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>	*Plain*	<bes action>	Returns the parent group action for the specified group action member. Win:7.0
postaction allow cancel flag of <bes action>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<string>	Returns the value of the message title flag, one of the settings that control the post-action user interface. Win:6.0

Key Phrase	*Form*	Return Type	Description
postaction postpone delay of <bes action>	*Plain*	<time interval>	Returns the value of the postpone delay flag, one of the settings that control the post-action user interface. Win:6.0
reapplication interval of <bes action>	*Plain*	<time interval>	Returns the time period specified between applications of the given BES Action. Win:7.0
reapplication limit of <bes action>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the reapply flag was set for the specified BES Action. Win:7.0
reported computer set of <bes action>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Index<bes computer>*	<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

Key Phrase	*Form*	Return Type	Description
result of <bes action>	*Plain*	<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>	*Plain*	<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
retry limit of <bes action>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified action is a settings action. Win:6.0

Key Phrase	*Form*	Return Type	Description
show message flag of <bes action>	*Plain*	<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>	*Plain*	<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>	*Plain*	<boolean>	Returns the value of the shutdown flag, one of the settings that control the post-action user interface. Win:6.0
single flag of <bes action>	*Plain*	<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>	*Plain*	<bes fixlet>	Returns the <bes fixlet> object that was the source of the specified action. Win:6.0
source relevance of <bes action>	*Plain*	<string>	Returns the original relevance expression for this action. Win:6.0
start date of <bes action>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified action is a start action. Win:6.0
start time_of_day of <bes action>	*Plain*	<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

Key Phrase	*Form*	Return Type	Description
state of <bes action>	*Plain*	<string>	Returns the current state of the specified action as a string. It should be one of the following: • Open • Stopped • Expired. Win:6.0
stopper of <bes action>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified action is a subscription action. Win:6.0
success on custom relevance of <bes action>	*Plain*	<boolean>	Returns TRUE if the success of the action is determined by the custom relevance becoming false (no longer relevant). Win:6.0
success on original relevance of <bes action>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<boolean>	Returns a boolean TRUE if the specified action is targeted by a Property Flag. Win:6.0

Key Phrase	*Form*	Return Type	Description
targeted computer of <bes action>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<string>	Returns one of the strings "By Property", "By Computer ID", "By List", or "Untargeted". Win:6.0
targeting relevance of <bes action>	*Plain*	<string>	Returns the relevance string that is being used to target the action. Win:6.0
temporal distribution of <bes action>	*Plain*	<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>	*Plain*	<time>	Returns the time when the action was issued. Win:6.0
time range end of <bes action>	*Plain*	<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

Key Phrase	*Form*	Return Type	Description
time range start of <bes action>	*Plain*	<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>	*Plain*	<time>	If the specified action has been stopped, this Inspector returns the time it was stopped. Win:7.0
untargeted flag of <bes action>	*Plain*	<boolean>	Returns a boolean TRUE if the specified action is untargeted. Win:6.0
urgent flag of <bes action>	*Plain*	<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

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, formated as name and ID.

```
(br & html "Click <A href='" & link href of it & html "'>here</A> to open action " & id of it as string) of bes actions
```
Creates clickable links listing all the current BES Actions, formated 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 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	*PlainGlobal*	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	*PlainGlobal*	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	*PlainGlobal*	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	*PlainGlobal*	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	*PlainGlobal*	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

Key Phrase	*Form*	Description
bes action status failed	*PlainGlobal*	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	*PlainGlobal*	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	*PlainGlobal*	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
bes action status irrelevant	*PlainGlobal*	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	*PlainGlobal*	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	*PlainGlobal*	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	*PlainGlobal*	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	*PlainGlobal*	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	*PlainGlobal*	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

Key Phrase	*Form*	Description
bes action status pending offer	*PlainGlobal*	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	*PlainGlobal*	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	*PlainGlobal*	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
bes action status running	*PlainGlobal*	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	*PlainGlobal*	Returns a constant representing an action status of 'not reported'. Win:6.0
bes action status user cancelled	*PlainGlobal*	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	*PlainGlobal*	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>	*Plain*	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	*Cast*	<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>	*Plain*	Returns the results of BES actions that have occurred on the specified computer. Win:6.0
result <(bes action, bes computer)>	*Index<(bes action, bes computer)>Global*	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)>	*Index<(bes computer, bes action)>Global*	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>	*Index<bes action>*	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

Key Phrase	*Form*	Description
result from <bes computer> of <bes action>	*Index<bes computer>*	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>	*Plain*	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>	*Plain*	<bes action>	Returns the action corresponding to the specified action result. Win:6.0
apply count of <bes action result>	*Plain*	<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>	*Plain*	<bes computer>	Returns the computer(s) that the specified action result applies to. Win:6.0
detailed status of <bes action result>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	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>	*Plain*	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>	*Plain*	<boolean>	Returns TRUE if the specified activation is active, FALSE if it has been stopped. Win:6.0
analysis of <bes activation>	*Plain*	<bes fixlet>	Returns the source analysis fixlet that spawned the specified activation. Win:6.0
database id of <bes	*Plain*	<integer>	In the Web Reports environment, this Inspector

Key Phrase	*Form*	Return Type	Description
activation>			returns the numeric ID of the database in which this BES Activation resides. Win:6.0
id of <bes activation>	*Plain*	<integer>	Returns the numeric ID of the BES activation object. Win:6.0
issuer of <bes activation>	*Plain*	<bes user>	Returns the <bes user> object corresponding to the user who issued the specified activation. Win:6.0
name of <bes activation>	*Plain*	<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>	*Plain*	Returns the computer(s) currently administered by the specified BES User. Win:7.0
applicable computer of <bes fixlet>	*Plain*	Returns a list of all of the <bes computer> objects reporting that the specified Fixlet message is relevant. Win:6.0
bes computer	*PlainGlobal*	Returns a list of all the BES computers visible to the current console user. Win:6.0
computer of <bes action result>	*Plain*	Returns the computer(s) that the specified action result applies to. Win:6.0
computer of <bes fixlet result>	*Plain*	Returns the BES computer associated with the specified Fixlet result. Win:6.0

Key Phrase	*Form*	Description
computer of <bes property result>	*Plain*	Returns the computer corresponding to the specified BES property result. Win:6.0
current computer	*PlainGlobal*	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>	*Plain*	Retrieves an element of the current BES computer set. Win:7.0
member of <bes computer group>	*Plain*	Returns the set of computers that comprise the specified BES Computer Group. Win:7.0
subscribed computer of <bes site>	*Plain*	Returns the list of computers that are subscribed to the specified BES site. Win:7.0
targeted computer of <bes action>	*Plain*	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>	*Plain*	<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>	*Plain*	<distinguished name>	Returns the result of the 'Active Directory Path' property of the specified computer. Win:7.0
administrator <bes user> of <bes computer>	*Index<bes user>*	<boolean>	Returns TRUE if the specified user is an administrator of the given computers. Win:7.0
administrator of <bes computer>	*Plain*	<bes user>	Iterates over the users who have administrative rights on this computer. Win:7.0

Key Phrase	*Form*	Return Type	Description
administrator set of <bes computer>	*Plain*	<bes user set>	Returns the set of users who have administrative rights on this computer. Win:7.0
client setting of <bes computer>	*Plain*	<bes client setting>	Returns the client setting(s) for the specified computer. Win:7.0
comment of <bes computer>	*Plain*	<bes comment>	Returns the comments assigned to the specified BES Computer. Win:7.0
cpu of <bes computer>	*Plain*	<string>	Returns the result of the 'CPU' Property for the specified computer. Win:7.0
database id of <bes computer>	*Plain*	<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>	*Plain*	<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>	*Plain*	<string>	Returns the result of the 'DNS Name' Property for the specified computer. Win:7.0
id of <bes computer>	*Plain*	<integer>	Returns the numeric ID unique to the specified BES computer. Win:6.0
ip address of <bes computer>	*Plain*	<ipv4 address>	Returns the result of the 'IP Address' property of the specified computer. Win:7.0
last report time of <bes computer>	*Plain*	<time>	Returns the time of the last report submitted by the specified BES computer. Win:6.0

Key Phrase	*Form*	Return Type	Description
link <html> of <bes computer>	*Index<html>*	<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>	*Named*	<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
link href of <bes computer>	*Plain*	<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>	*Plain*	<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>	*Plain*	<boolean>	Returns the result of the 'Locked' property of the specified computer. Win:7.0
name of <bes computer>	*Plain*	<string>	Returns the value of the specified 'Computer Name' property for the specified BES computer. Win:6.0
operating system of <bes computer>	*Plain*	<string>	Returns the result of the 'OS' Property for the specified computer. Win:7.0

Key Phrase	*Form*	Return Type	Description
property result of <bes computer>	*Plain*	<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>	*Plain*	<integer>	Returns the result of the 'Distance to BES Relay' property for the specified computer. Win:7.0
relay hostname of <bes computer>	*Plain*	<string>	Returns the result of the 'Relay Name of Client' property for the specified computer. Win:7.0
relay selection method of <bes computer>	*Plain*	<string>	Returns the result of the 'BES Relay Selection Method' property for the specified computer. Win:7.0
relay server flag of <bes computer>	*Plain*	<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
relay server of <bes computer>	*Plain*	<string>	Returns the result of the 'Relay' property of the specified computer. Win:7.0
relevant <bes fixlet> of <bes computer>	*Index<bes fixlet>*	<boolean>	Returns TRUE if the given Fixlet message is relevant on the specified computer. Win:6.0
relevant fixlet of <bes computer>	*Plain*	<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>	*Plain*	<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

Key Phrase	*Form*	Return Type	Description
reported action set of <bes computer>	*Plain*	<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>	*Plain*	<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>	*Index<bes action>*	<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>	*Index<bes fixlet>*	<bes fixlet result>	Returns a Fixlet result for the given computer and Fixlet. Win:7.0
result from <bes property> of <bes computer>	*Index<bes property>*	<bes property result>	Returns the result of the specified BES property and computer. Win:6.0
root server flag of <bes computer>	*Plain*	<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
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

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 <A href='" & link href of it & html "'>here</A> 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 Custom Site

These Inspectors allow you to look at the properties of BES Custom Sites, such as the name and description.

Creation Methods

Key Phrase	*Form*	Description
bes custom site	*PlainGlobal*	Returns a list of all the BES Fixlet objects. Win:6.0
custom site of <bes fixlet>	*Plain*	If the specified Fixlet message resides in a custom site, this Inspector returns the corresponding custom site object. Win:6.0

Properties

Key Phrase	*Form*	Return Type	Description
creation date of <bes custom site>	*Plain*	<time>	Returns the time when the BES custom site was created. Win:6.0
creator of <bes custom site>	*Plain*	<bes user>	Returns the <bes user> who created the specified custom site. Win:6.0
description of <bes custom site>	*Plain*	<string>	Returns the description of the BES custom site, as specified by the creator. Win:6.0
name of <bes custom site>	*Plain*	<string>	Returns the name of the specified BES custom site. Win:6.0
owner flag <bes user> of <bes custom site>	*Index<bes user>*	<boolean>	Returns TRUE if the given BES user is an owner of the specified custom site. Notice that "owner flag (creator of it) of it of <custom site>" returns false, i.e., the creator is not considered to be an owner of the site. • Note: This is a Console-only Inspector. Win:6.0

Key Phrase	*Form*	Return Type	Description
owner of <bes custom site>	*Plain*	<bes user>	Returns a list of BES users that have been granted ownership of the specified custom site. Notice that the creator of this site is not included in the owner list. • Note: This is a Console-only Inspector. Win:6.0
owner set of <bes custom site>	*Plain*	<bes user set>	Returns the set of BES users (similar to the iterated list) that have been granted ownership of the specified custom 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 custom site>	*Plain*	<bes user>	Returns a list of BES users that have been granted reading privileges on the specified custom 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:6.0
reader set of <bes custom site>	*Plain*	<bes user set>	Returns the set of BES users (similar to the iterated list) that have been granted reading privileges on the specified custom 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
writer of <bes custom site>	*Plain*	<bes user>	Returns a list of BES users that have been granted writing privileges on the specified custom 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:6.0

Key Phrase	*Form*	Return Type	Description
writer set of <bes custom site>	*Plain*	<bes user set>	Returns the set of BES users (similar to the iterated list) that have been granted writing privileges on the specified custom 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

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>	*Numbered*	Returns an object representing the nth action for the specified Fixlet message. Win:6.0
action <string> of <bes fixlet>	*Named*	Returns an object representing the named action for the specified Fixlet message. Win:6.0
action of <bes baseline component>	*Plain*	Returns the action(s) associated with the specified baseline component. Win:7.0
action of <bes fixlet>	*Plain*	Returns a list of all the Fixlet actions associated with the specified Fixlet message. Win:6.0
default action of <bes fixlet>	*Plain*	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>	*Plain*	<string>	Returns the content ID field for the specified Fixlet action. Win:6.0
script of <bes fixlet action>	*Plain*	<string>	Returns the script for the specified Fixlet action. Win:6.0
script type of <bes fixlet action>	*Plain*	<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)>	*Index<(bes computer, bes fixlet)>Global*	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)>	*Index<(bes fixlet, bes computer)>Global*	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>	*Index<bes computer>*	Returns a Fixlet result for the given computer and Fixlet. Win:7.0
result from <bes fixlet> of <bes computer>	*Index<bes fixlet>*	Returns a Fixlet result for the given computer and Fixlet. Win:7.0

Key Phrase	*Form*	Description
result of <bes fixlet>	*Plain*	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>	*Plain*	<bes computer>	Returns the BES computer associated with the specified Fixlet result. Win:6.0
first became relevant of <bes fixlet result>	*Plain*	<time>	Returns the time when the Fixlet result first became relevant. • Note: This is a Web Reports-only Inspector. Win:6.0
fixlet of <bes fixlet result>	*Plain*	<bes fixlet>	Returns the Fixlet message associated with the specified Fixlet result. Win:6.0
last became nonrelevant of <bes fixlet result>	*Plain*	<time>	Returns the time when the Fixlet result last became non-relevant. This may be tied to the successful completion of the Fixlet message. • Note: This is a Web Reports-only Inspector. Win:6.0
last became relevant of <bes fixlet result>	*Plain*	<time>	Returns the time when the Fixlet result last became relevant. • Note: This is a Web Reports-only Inspector. Win:6.0
relevant flag of <bes fixlet result>	*Plain*	<boolean>	Returns TRUE if the computer reports that the given Fixlet result is relevant, and FALSE otherwise. Win:6.0

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>	*Plain*	Returns the source analysis fixlet that spawned the specified activation. Win:6.0
bes fixlet	*PlainGlobal*	Returns a list of all the BES custom site objects. Win:6.0
current analysis	*PlainGlobal*	When this Inspector is evaluated in the context of an analysis, it returns the associated Fixlet object. • Note: This is a Console-only Inspector. Win:6.0
current fixlet	*PlainGlobal*	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	*PlainGlobal*	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>	*Plain*	Retrieves an element of the current BES Fixlet set. Win:7.0
fixlet <integer> of <bes site>	*Numbered*	Returns the Fixlet with the specified ID from the given BES site. Win:6.0
fixlet of <bes fixlet result>	*Plain*	Returns the Fixlet message associated with the specified Fixlet result. Win:6.0
fixlet of <bes site>	*Plain*	Returns a list all of the Fixlet objects in the given BES site. Win:6.0

Key Phrase	*Form*	Description
relevant fixlet of <bes computer>	*Plain*	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>	*Plain*	Returns the <bes fixlet> object corresponding to the analysis that defines the specified property. Win:6.0
source fixlet of <bes action>	*Plain*	Returns the <bes fixlet> object that was the source of the specified action. Win:6.0
source fixlet of <bes baseline component>	*Plain*	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	*Cast*	<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>	*Numbered*	<bes fixlet action>	Returns an object representing the nth action for the specified Fixlet message. Win:6.0
action <string> of <bes fixlet>	*Named*	<bes fixlet action>	Returns an object representing the named action for the specified Fixlet message. Win:6.0
action of <bes fixlet>	*Plain*	<bes fixlet action>	Returns a list of all the Fixlet actions associated with the specified Fixlet message. Win:6.0
activation of <bes fixlet>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified BES Fixlet message originates from an Analysis. Win:6.0

Key Phrase	*Form*	Return Type	Description
applicable computer count of <bes fixlet>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified BES Fixlet message originates from a Baseline. Win:6.0
best activation of <bes fixlet>	*Plain*	<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>	*Plain*	<html>	Returns an HTML string containing the body of the Fixlet message. Win:6.0
category of <bes fixlet>	*Plain*	<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>	*Plain*	<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>	*Plain*	<bes comment>	Returns the comments assigned to the specified BES Fixlet message. Win:7.0

Key Phrase	*Form*	Return Type	Description
component group of <bes fixlet>	*Plain*	<bes baseline component group>	If the specified Fixlet message is a baseline, then this Inspector iterates over the component groups. Win:7.0
custom flag of <bes fixlet>	*Plain*	<boolean>	Returns TRUE if the specified BES Fixlet message is custom. Win:6.0
custom site flag of <bes fixlet>	*Plain*	<boolean>	Returns true if and only if the specified Fixlet message resides in a custom site. Win:6.0
custom site of <bes fixlet>	*Plain*	<bes custom site>	If the specified Fixlet message resides in a custom site, this Inspector returns the corresponding custom site object. Win:6.0
cve id list of <bes fixlet>	*Plain*	<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>	*Plain*	<bes fixlet action>	Returns an object representing the default action for the specified Fixlet message. Win:6.0
digest file name of <bes fixlet>	*Plain*	<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>	*Plain*	<integer>	Returns the size of the download associated with this Fixlet message, in bytes. Win:6.0
fixlet flag of <bes fixlet>	*Plain*	<boolean>	Returns TRUE if the specified BES Fixlet message originates from an ordinary Fixlet site. Win:6.0
globally visible flag of <bes fixlet>	*Plain*	<boolean>	Returns TRUE if the specified Fixlet message is globally visible. Win:6.0

Key Phrase	*Form*	Return Type	Description
group flag of <bes fixlet>	*Plain*	<boolean>	Returns TRUE if the specified BES Fixlet message originates from a Group. Win:6.0
id of <bes fixlet>	*Plain*	<integer>	Returns the numeric ID unique to the specified Fixlet message. Win:6.0
issuer of <bes fixlet>	*Plain*	<bes user>	Returns the <bes user> object corresponding to the author of the specified fixlet. Win:6.0
link <html> of <bes fixlet>	*Index<html>*	<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
link <string> of <bes fixlet>	*Named*	<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>	*Plain*	<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>	*Plain*	<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

Key Phrase	*Form*	Return Type	Description
locally visible flag of <bes fixlet>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified Fixlet message is from the Master site. Win:6.0
message of <bes fixlet>	*Plain*	<html>	Returns an HTML string containing the text of the Fixlet message. Win:6.0
mime field <string> of <bes fixlet>	*Named*	<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>	*Plain*	<string>	Returns the name of the specified BES Fixlet. Win:6.0
open action count of <bes fixlet>	*Plain*	<integer>	Returns the number of open actions whose source is the specified Fixlet message. Win:6.0
operator site flag of <bes fixlet>	*Plain*	<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>	*Numbered*	<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>	*Plain*	<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>	*Plain*	<string>	Returns the relevance expression used to determine if the specified Fixlet message is applicable on a client computer. Win:6.0

Key Phrase	***Form***	**Return Type**	**Description**
relevant <bes computer> of <bes fixlet>	*Index<bes computer>*	<boolean>	Returns TRUE if the given Fixlet message is relevant on the specified computer. Win:6.0
result from <bes computer> of <bes fixlet>	*Index<bes computer>*	<bes fixlet result>	Returns a Fixlet result for the given computer and Fixlet. Win:7.0
result of <bes fixlet>	*Plain*	<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>	*Plain*	<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>	*Plain*	<bes fixlet set>	Converts the specified BES Fixlet list to a set that can be arithmetically manipulated. Win:7.0
site of <bes fixlet>	*Plain*	<bes site>	Returns the <bes site> object which contains the specified fixlet. Win:6.0
source id of <bes fixlet>	*Plain*	<string>	Returns the source ID of the given Fixlet message as a string value. Win:6.0
source of <bes fixlet>	*Plain*	<string>	Returns the source of the given Fixlet message as a string value. Win:6.0
source release date of <bes fixlet>	*Plain*	<date>	Returns the <date> object that represents the source release date of the specified Fixlet message. Win:6.0
source severity of <bes fixlet>	*Plain*	<string>	Returns the source severity of the given Fixlet message as a string value. Win:6.0

Key Phrase	*Form*	Return Type	Description
task flag of <bes fixlet>	*Plain*	<boolean>	Returns TRUE if the specified BES Fixlet message originates from a Task. Win:6.0
type of <bes fixlet>	*Plain*	<string>	Returns the type of the specified Fixlet message, which can have values such as "Fixlet", "Task", "Analysis", "ComputerGroup" or "Baseline". Win:6.0
unlocked computer count of <bes fixlet>	*Plain*	<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>	*Plain*	<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
wizard link of <bes fixlet>	*Plain*	<string>	If the specified Fixlet message was created with a Wizard then this Inspector returns the HTML string representing the link of that Wizard. • Note: This is a Console-only Inspector. Win:6.0
wizard name of <bes fixlet>	*Plain*	<string>	If the specified Fixlet message was created with a Wizard then this Inspector returns the HTML string representing the name of that Wizard. • Note: This is a Console-only Inspector. Win:6.0

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 <A href='" & link href of it & html "'>here</A> 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 formated 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 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>	*Plain*	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)>	*Index<(bes computer, bes property)>Global*	Returns the result of the specified BES property and computer. Win:6.0
result <(bes property, bes computer)>	*Index<(bes property, bes computer)>Global*	Returns the result of the specified BES property and computer. Win:6.0
result from <bes computer> of <bes property>	*Index<bes computer>*	Returns the result of the specified BES property and computer. Win:6.0
result from <bes property> of <bes computer>	*Index<bes property>*	Returns the result of the specified BES property and computer. Win:6.0
result of <bes property>	*Plain*	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>	*Plain*	<bes computer>	Returns the computer corresponding to the specified BES property result. Win:6.0
error flag of <bes property result>	*Plain*	<boolean>	Returns TRUE if the specified BES property result is an error. Win:6.0

Key Phrase	*Form*	Return Type	Description
error message of <bes property result>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified BES property result is a multiple result. Win:6.0
property of <bes property result>	*Plain*	<bes property>	Returns the property corresponding to the specified BES property result. Win:6.0
value count of <bes property result>	*Plain*	<integer>	Returns the number of values reported by this computer for the specified property result. Win:6.0
value of <bes property result>	*Plain*	<string>	Returns a list of the <string> values reported by this computer for the specified property result. 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	*PlainGlobal*	Returns a list of all the BES custom site objects. Win:6.0
bes property <string>	*NamedGlobal*	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
element of <bes property set>	*Plain*	Retrieves an element of the current BES Property set. Win:7.0

Key Phrase	*Form*	Description
property <integer> of <bes fixlet>	*Numbered*	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>	*Plain*	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>	*Plain*	Returns the property corresponding to the specified BES property result. Win:6.0

Properties

Key Phrase	*Form*	Return Type	Description
<bes property> as xml	*Cast*	<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>	*Plain*	<boolean>	Returns TRUE if the specified BES property is an analysis property. Win:6.0
category of <bes property>	*Plain*	<string>	Returns the optional category created for the specified BES property. Win:7.0
custom flag of <bes property>	*Plain*	<boolean>	Returns TRUE if the specified BES property is custom. Win:6.0
database id of <bes property>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified BES property is the default. Win:6.0

Key Phrase	*Form*	Return Type	Description
definition of <bes property>	*Plain*	<string>	Returns the relevance expression which defines the specified property. Win:6.0
evaluation period of <bes property>	*Plain*	<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>	*Plain*	<(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 indentifies 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:7.0
keep statistics flag of <bes property>	*Plain*	<boolean>	Returns TRUE if statistics are being kept for the specified BES property. Win:7.0
name of <bes property>	*Plain*	<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>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified BES property is reserved. Win:6.0
result from <bes computer> of <bes property>	*Index<bes computer>*	<bes property result>	Returns the result of the specified BES property and computer. Win:6.0

Key Phrase	*Form*	Return Type	Description
result of <bes property>	*Plain*	<bes property result>	Returns a list of the BES property results for every computer reporting a result for the specified property. Win:6.0
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

Examples

```
size of (set of bes properties)
```

Returns the current number of BES properties

BES Site

The site Inspectors return the names and IDs of the specified site objects.

Creation Methods

Key Phrase	*Form*	Description
bes site	*PlainGlobal*	Returns a list of all the BES sites. Win:6.0
site of <bes computer group>	*Plain*	Returns the site corresponding to the specified BES Computer Group. Win:7.0
site of <bes fixlet>	*Plain*	Returns the <bes site> object which contains the specified fixlet. Win:6.0
site of <bes wizard>	*Plain*	Returns the site corresponding to the specified BES Wizard. Win:7.0

Properties

Key Phrase	*Form*	Return Type	Description
fixlet <integer> of <bes site>	*Numbered*	<bes fixlet>	Returns the Fixlet with the specified ID from the given BES site. Win:6.0
fixlet of <bes site>	*Plain*	<bes fixlet>	Returns a list all of the Fixlet objects in the given BES site. Win:6.0
fixlet set of <bes site>	*Plain*	<bes fixlet set>	Returns the set of Fixlets that are associated with the specified BES Site. Win:7.0
id of <bes site>	*Plain*	<integer>	Returns the numeric ID unique to the specified BES site. Win:6.0
name of <bes site>	*Plain*	<string>	Returns the name of the specified BES site (undecorated). Win:6.0

Key Phrase	*Form*	Return Type	Description
subscribed computer of <bes site>	*Plain*	<bes computer>	Returns the list of computers that are subscribed to the specified BES site. Win:7.0
subscribed computer set of <bes site>	*Plain*	<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

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>	*Plain*	Iterates over the users who have administrative rights on this computer. Win:7.0
author of <bes comment>	*Plain*	Returns the author of the specified BES Comment. Win:7.0
bes user	*PlainGlobal*	Returns a list of all the BES users. Win:6.0
creator of <bes custom site>	*Plain*	Returns the <bes user> who created the specified custom site. Win:6.0
current console user	*PlainGlobal*	Returns a user object for the user currently logged into the BES Console. Win:6.0
element of <bes user set>	*Plain*	Retrieves an element of the current BES User set. Win:7.0
issuer of <bes action>	*Plain*	Returns the BES user object corresponding to the issuer of the specified action. Win:6.0

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

Properties

Key Phrase	*Form*	Return Type	Description
administered computer of <bes user>	*Plain*	<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>	*Plain*	<bes computer set>	Returns the set of computers that are administerable by the specified BES user. Win:7.0

Key Phrase	*Form*	Return Type	Description
administrator <bes computer> of <bes user>	*Index<bes computer>*	<boolean>	Returns TRUE if the specified user is an administrator of the given computers. Win:7.0
creation time of <bes user>	*Plain*	<time>	Returns the time when the specified user was created. Win:6.0
custom content flag of <bes user>	*Plain*	<boolean>	Returns TRUE if the user has been granted the privilege to author custom content/actions. Win:6.0
issued action of <bes user>	*Plain*	<bes action>	Returns all actions, including hidden actions, issued by the specified user. Win:7.0
issued action set of <bes user>	*Plain*	<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>	*Plain*	<time>	Returns the time of the specified user's most recent database login. Win:6.0
link <html> of <bes user>	*Index<html>*	<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>	*Named*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the user is a master administrator. Win:6.0
name of <bes user>	*Plain*	<string>	Returns the name of the specified BES user (database login name). Win:6.0
set of <bes user>	*Plain*	<bes user set>	Converts the specified BES User list to a set that can be arithmetically manipulated. Win:7.0
unmanagedasset privilege scanpoint 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 the "scanpoint only" option is set for the specified user. Win:7.0
unmanagedasset privilege showall 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 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 <A href='" & link href of it & html "'>here</A> 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 formated as links in an HTML string.

```
size of (set of bes users)
```

Returns the current number of BES users.

BES Wizard

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

Creation Methods

Key Phrase	*Form*	Description
bes wizard	*PlainGlobal*	Returns a list of all the available BES Wizards. • Note: This is a Console-only Inspector. Win:6.0
current wizard	*PlainGlobal*	If this Inspector is being evaluated in the context of a Wizard, then it returns the corresponding <bes wizard> object. Win:6.0

Properties

Key Phrase	*Form*	Return Type	Description
charset of <bes wizard>	*Plain*	<string>	Returns the charset that should be used when displaying the specified Wizard. Win:6.0
dashboard id of <bes wizard>	*Plain*	<string>	Returns an ID that can be used by Dashboards/Wizards to unambiguously identify stored variables. Win:7.0
database id of <bes wizard>	*Plain*	<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>	*Plain*	<string>	Returns the name (as a string) of the database containing the specified BES Wizard. Win:6.0
default page name of <bes wizard>	*Plain*	<string>	Returns the name of the first page to display when launching the specified Wizard. Win:6.0
dialog flag of <bes wizard>	*Plain*	<boolean>	Returns TRUE if the specified Wizard launches in a dialog box. Win:6.0

Key Phrase	*Form*	Return Type	Description
document flag of <bes wizard>	*Plain*	<boolean>	Returns TRUE if the specified Wizard launches in an MDI document window. Win:6.0
link <html> of <bes wizard>	*Index<html>*	<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>	*Named*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<string>	Returns the path of the menu containing the menu item that launches the specified Wizard. Win:6.0
name of <bes wizard>	*Plain*	<string>	Returns the name of the specified BES Wizard. • Note: This is a Console-only Inspector. Win:6.0
navbar name of <bes wizard>	*Plain*	<string>	Returns the name of the specified BES Wizard as listed in the Navigation Bar. Win:6.0

Key Phrase	*Form*	Return Type	Description
pre60 flag of <bes wizard>	*Plain*	<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>	*Named*	<string>	Returns a string containing the value of the named private variable for the given BES Wizard. Win:7.0
requires authoring flag of <bes wizard>	*Plain*	<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>	*Named*	<string>	Returns a string containing the value of the named public or shared variable for the given BES Wizard. Win:7.0
site of <bes wizard>	*Plain*	<bes site>	Returns the site hosting the specified BES Wizard. Win:7.0
url of <bes wizard>	*Plain*	<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

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 <A href='" & link href of it & html "'>here</A> 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.

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>	*Plain*	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>	*Plain*	<integer>	Returns the Fixlet count for each severity level of the Fixlet count pairs. Win:6.0
source severity of <fixlet count pair>	*Plain*	<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	*PlainGlobal*	Returns a list of all <historical_computer_count> objects. Win:6.0

Properties

Key Phrase	*Form*	Return Type	Description
count of <historical computer count>	*Plain*	<integer>	Returns the count when the specified historical computer count was last archived. Win:6.0
database id of <historical computer count>	*Plain*	<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>	*Plain*	<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	*PlainGlobal*	Returns a list of all the historical Fixlet counts. • Note: This is a Web Reports-only Inspector. Win:6.0

Properties

Key Phrase	*Form*	Return Type	Description
count map of <historical fixlet count>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Index<time 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
statistic range of <bes property>	*Plain*	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>	*Index<time>*	<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>	*Plain*	<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>	*Plain*	<time>	Returns the ending time of the statistical range. Win:6.0

Key Phrase	*Form*	Return Type	Description
range <time range> of <statistic range>	*Index<time range>*	<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
start of <statistic range>	*Plain*	<time>	Returns the starting time of the statistical range. Win:6.0
total <time interval> of <statistic range>	*Index<time interval>*	<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>	*Plain*	<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>	*Index<time>*	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>	*Plain*	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
total <time interval> of <statistic range>	*Index<time interval>*	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>	*Plain*	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>	*Plain*	<time>	Returns the ending time of the specified statistical bin. Win:6.0
exponential fit of <statistical bin>	*Plain*	<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>	*Plain*	<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>	*Plain*	<floating point>	Returns the geometric mean of the specified statistical bin. Win:6.0
javascript array <string> of <statistical bin>	*Named*	<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>	*Plain*	<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>	*Plain*	<time interval>	Returns a time interval corresponding to the length (or period) of the specified bin. Win:6.0
linear fit of <statistical bin>	*Plain*	<linear projection>	Calculates a least-squares fit on the values, providing a tool for extrapolating a linear change of values. Win:6.0

Key Phrase	*Form*	Return Type	Description
logarithm kurtosis of <statistical bin>	*Plain*	<floating point>	The kurtosis of the logarithms of the absolute values of the nonzero reported values. Win:6.0
logarithm skewness of <statistical bin>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<floating point>	Returns a floating point number representing the largest computer total in the specified bin. Win:6.0
maximum value of <statistical bin>	*Plain*	<floating point>	The maximum single value reported by any computer over the duration of the bin. Win:6.0
mean computer count of <statistical bin>	*Plain*	<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>	*Plain*	<floating point>	Returns the mean count of the computers where the inspection has failed. Win:6.0
mean logarithm of <statistical bin>	*Plain*	<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

Key Phrase	*Form*	Return Type	Description
mean nonzero value count of <statistical bin>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<rate>	This is the inverse of the mean sample interval. Win:6.0
mean successful computer count of <statistical bin>	*Plain*	<floating point>	Returns the mean count of the computers where the inspection has succeeded. Win:6.0
mean total of <statistical bin>	*Plain*	<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>	*Plain*	<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

Key Phrase	*Form*	Return Type	Description
mean zero value count of <statistical bin>	*Plain*	<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>	*Plain*	<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>	*Plain*	<floating point>	The minimum single value reported by any computer over the duration of the bin. Win:6.0
skewness of <statistical bin>	*Plain*	<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>	*Plain*	<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>	*Plain*	<time>	Returns the starting time of the statistical bin. Win:6.0
success rate of <statistical bin>	*Plain*	<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>	*Plain*	<floating point>	Returns the lower bound of a group of statistical bins. Win:6.0
total upper bound of <statistical bin>	*Plain*	<floating point>	Returns the upper bound of a group of statistical bins. Win:6.0

Key Phrase	*Form*	Return Type	Description
variance of <statistical bin>	*Plain*	<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
mean sample rate of <statistical bin>	*Plain*	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
rate of <linear projection>	*Plain*	Returns the slope of the linear projection. Multiply this by a time interval to compute the projected growth over that period. Win:6.0

Properties

Key Phrase	*Form*	Return Type	Description
<rate> as string	*Cast*	<string>	Casts a rate as a string. Win:6.0

Operators

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

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>	*Plain*	<floating point>	Returns a floating-point number between -1 and 1, representing how well a linear projection fits the data. Win:6.0
extrapolation <time> of <linear projection>	*Index<time>*	<floating point>	Returns the projected value at the specified time, assuming a linear projection. Win:6.0
rate of <linear projection>	*Plain*	<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

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>	*Plain*	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>	*Plain*	<floating point>	Returns a floating-point number between -1 and 1, representing how well an exponential projection fits the data. Win:6.0
extrapolation <time> of <exponential projection>	*Index<time>*	<floating point>	Returns the projected value at the specified time, assuming an exponential projection. Win:6.0
rate <time interval> of <exponential projection>	*Index<time interval>*	<floating point>	Returns the slope of the exponential projection over the specified time interval. Win:6.0

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>	*Plain*	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>	*Plain*	<string>	Returns the name of the specified Action parameter. Win:7.0
value of <bes action parameter>	*Plain*	<string>	Returns the value associated with the specified Action parameter. Win:7.0

Examples

```
name of parameter of bes action whose (name of it contains
"Download")
```

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>	*Plain*	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	*PlainGlobal*	An iteration over the BES Actions represented as a mathematical set. Win:7.0
hidden bes action set	*PlainGlobal*	Retrieves the set (iterated list) of hidden BES Actions. Win:7.0
intersection of <bes action set>	*Plain*	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>	*Plain*	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>	*Plain*	Returns the individual member actions for the specified multiple action group parent, <bes action>. Win:7.0
reported action set of <bes computer>	*Plain*	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>	*Plain*	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	*PlainGlobal*	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>	*Plain*	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	*Cast*	<utf8 string>	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
element of <bes action set>	*Plain*	<bes action>	Returns an element of the BES Action set, which is the iterated list of actions. Win:7.0
intersection of <bes action set>	*Plain*	<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>	*Plain*	<integer>	Returns the number of elements in the specified BES Action set. Win:7.0
union of <bes action set>	*Plain*	<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 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 simulataneous 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>	*Plain*	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>	*Plain*	<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>	*Plain*	<string>	Returns the name(s) of the specified BES Baseline component group(s). Win:7.0

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>	*Plain*	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>	*Plain*	<bes fixlet action>	Returns the Action corresponding to the specified BES Baseline component. Win:7.0
applicable computer count of <bes baseline component>	*Plain*	<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>	*Plain*	<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>	*Plain*	<integer>	Returns the numeric ID of the specified BES Baseline component. Win:7.0

Key Phrase	*Form*	Return Type	Description
include in relevance flag of <bes baseline component>	*Plain*	<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>	*Plain*	<string>	Returns the name of the specified BES Baseline component. Win:7.0
relevance of <bes baseline component>	*Plain*	<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>	*Plain*	<bes fixlet>	Returns the BES Fixlet(s) associated with the specified BES Baseline component. Win:7.0
unknown computer count of <bes baseline component>	*Plain*	<integer>	Returns the number of unknown computers associated with the specified baseline component. Win:7.0
unknown computer set of <bes baseline component>	*Plain*	<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 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>	*Plain*	Returns the client setting(s) for the specified computer. Win:7.0

Properties

Key Phrase	*Form*	Return Type	Description
name of <bes client setting>	*Plain*	<string>	Returns the name of the specified BES client setting. Win:7.0
scope of <bes client setting>	*Plain*	<string>	Depending on the scope of the specified Client setting, returns 'Local' or a site URL. Win:7.0
value of <bes client setting>	*Plain*	<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>	*Plain*	Returns the comment associated with the specified BES Action. Win:7.0
comment of <bes computer>	*Plain*	Returns the comments assigned to the specified BES Computer. Win:7.0
comment of <bes fixlet>	*Plain*	Returns the comments assigned to the specified BES Fixlet message. Win:7.0

Properties

Key Phrase	*Form*	Return Type	Description
author of <bes comment>	*Plain*	<bes user>	Returns the author of the specified BES Comment. Win:7.0
deleted flag of <bes comment>	*Plain*	<boolean>	Returns TRUE if the specified BES Comment has been deleted. Win:7.0
text of <bes comment>	*Plain*	<string>	Returns the text of the specified BES Comment. Win:7.0
timestamp of <bes comment>	*Plain*	<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 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
bes computer group set	*PlainGlobal*	An iteration over the BES computer groups, represented as a mathematical set. Win:7.0
intersection of <bes computer group set>	*Plain*	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
set of <bes computer group>	*Plain*	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
union of <bes computer group set>	*Plain*	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
<bes computer group set> as xml	*Cast*	<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
element of <bes computer group set>	*Plain*	<bes computer group>	Returns the elements of the specified set of BES computer groups. Win:7.0

Key Phrase	*Form*	Return Type	Description
intersection of <bes computer group set>	*Plain*	<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>	*Plain*	<integer>	Returns the number of BES Computer Groups in the specified set. Win:7.0
union of <bes computer group set>	*Plain*	<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

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

Creation Methods

Key Phrase	*Form*	Description
bes computer group	*PlainGlobal*	Returns a list of the global computer groups. Win:7.0
element of <bes computer group set>	*Plain*	Retrieves an element of the current BES computer group set. Win:7.0

Properties

Key Phrase	*Form*	Return Type	Description
<bes computer group> as xml	*Cast*	<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>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified BES computer group is determined by client acknowledgement. Win:7.0
database id of <bes computer group>	*Plain*	<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
id of <bes computer group>	*Plain*	<integer>	Returns the numeric ID corresponding to the specified BES Computer Group. Win:7.0

Key Phrase	*Form*	Return Type	Description
manual flag of <bes computer group>	*Plain*	<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>	*Plain*	<bes computer>	Returns the set of computers that comprise the specified BES Computer Group. Win:7.0
member set of <bes computer group>	*Plain*	<bes computer set>	Returns the computer set that comprise the specified BES Computer Group. Win:7.0
name of <bes computer group>	*Plain*	<string>	Returns the name corresponding to the specified BES Computer Group. Win:7.0
set of <bes computer group>	*Plain*	<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>	*Plain*	<bes site>	Returns the site corresponding to the specified BES Computer Group. Win:7.0

Operators

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 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>	*Plain*	Returns the set of computers that are administerable by the specified BES user. Win:7.0
applicable computer set of <bes baseline component>	*Plain*	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>	*Plain*	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	*PlainGlobal*	An iteration over the BES computers, represented as a mathematical set. Win:7.0
computer set of <bes filter>	*Plain*	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>	*Plain*	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>	*Plain*	Returns the computer set that comprise the specified BES Computer Group. Win:7.0
reported computer set of <bes action>	*Plain*	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 elements of the specified set of BES computers. 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
size of <bes computer set>	*Plain*	<integer>	Returns the number of 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

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

Creation Methods

Key Phrase	*Form*	Description
administered computer of <bes user>	*Plain*	Returns the computer(s) currently administered by the specified BES User. Win:7.0
applicable computer of <bes fixlet>	*Plain*	Returns a list of all of the <bes computer> objects reporting that the specified Fixlet message is relevant. Win:6.0
bes computer	*PlainGlobal*	Returns a list of all the BES computers visible to the current console user. Win:6.0
computer of <bes action result>	*Plain*	Returns the computer(s) that the specified action result applies to. Win:6.0
computer of <bes fixlet result>	*Plain*	Returns the BES computer associated with the specified Fixlet result. Win:6.0
computer of <bes property result>	*Plain*	Returns the computer corresponding to the specified BES property result. Win:6.0
current computer	*PlainGlobal*	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>	*Plain*	Retrieves an element of the current BES computer set. Win:7.0
member of <bes computer group>	*Plain*	Returns the set of computers that comprise the specified BES Computer Group. Win:7.0
subscribed computer of <bes site>	*Plain*	Returns the list of computers that are subscribed to the specified BES site. Win:7.0

Key Phrase	*Form*	Description
targeted computer of <bes action>	*Plain*	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>	*Plain*	<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>	*Plain*	<distinguished name>	Returns the result of the 'Active Directory Path' property of the specified computer. Win:7.0
administrator <bes user> of <bes computer>	*Index<bes user>*	<boolean>	Returns TRUE if the specified user is an administrator of the given computers. Win:7.0
administrator of <bes computer>	*Plain*	<bes user>	Iterates over the users who have administrative rights on this computer. Win:7.0
administrator set of <bes computer>	*Plain*	<bes user set>	Returns the set of users who have administrative rights on this computer. Win:7.0
client setting of <bes computer>	*Plain*	<bes client setting>	Returns the client setting(s) for the specified computer. Win:7.0
comment of <bes computer>	*Plain*	<bes comment>	Returns the comments assigned to the specified BES Computer. Win:7.0
cpu of <bes computer>	*Plain*	<string>	Returns the result of the 'CPU' Property for the specified computer. Win:7.0
database id of <bes computer>	*Plain*	<integer>	In the Web Reports environment, this Inspector returns the numeric ID of the database in which this BES computer resides. Win:6.0

Key Phrase	*Form*	Return Type	Description
database name of <bes computer>	*Plain*	<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>	*Plain*	<string>	Returns the result of the 'DNS Name' Property for the specified computer. Win:7.0
id of <bes computer>	*Plain*	<integer>	Returns the numeric ID unique to the specified BES computer. Win:6.0
ip address of <bes computer>	*Plain*	<ipv4 address>	Returns the result of the 'IP Address' property of the specified computer. Win:7.0
last report time of <bes computer>	*Plain*	<time>	Returns the time of the last report submitted by the specified BES computer. Win:6.0
link <html> of <bes computer>	*Index<html>*	<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>	*Named*	<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
link href of <bes computer>	*Plain*	<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

Key Phrase	*Form*	Return Type	Description
link of <bes computer>	*Plain*	<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>	*Plain*	<boolean>	Returns the result of the 'Locked' property of the specified computer. Win:7.0
name of <bes computer>	*Plain*	<string>	Returns the value of the specified 'Computer Name' property for the specified BES computer. Win:6.0
operating system of <bes computer>	*Plain*	<string>	Returns the result of the 'OS' Property for the specified computer. Win:7.0
property result of <bes computer>	*Plain*	<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>	*Plain*	<integer>	Returns the result of the 'Distance to BES Relay' property for the specified computer. Win:7.0
relay hostname of <bes computer>	*Plain*	<string>	Returns the result of the 'Relay Name of Client' property for the specified computer. Win:7.0
relay selection method of <bes computer>	*Plain*	<string>	Returns the result of the 'BES Relay Selection Method' property for the specified computer. Win:7.0
relay server flag of <bes computer>	*Plain*	<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
relay server of <bes computer>	*Plain*	<string>	Returns the result of the 'Relay' property of the specified computer. Win:7.0

Key Phrase	*Form*	Return Type	Description
relevant <bes fixlet> of <bes computer>	*Index<bes fixlet>*	<boolean>	Returns TRUE if the given Fixlet message is relevant on the specified computer. Win:6.0
relevant fixlet of <bes computer>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Index<bes action>*	<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>	*Index<bes fixlet>*	<bes fixlet result>	Returns a Fixlet result for the given computer and Fixlet. Win:7.0
result from <bes property> of <bes computer>	*Index<bes property>*	<bes property result>	Returns the result of the specified BES property and computer. Win:6.0
root server flag of <bes computer>	*Plain*	<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

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 <A href='" & link href of it & html "'>here</A> 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 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	*PlainGlobal*	An iteration over the BES filters, represented as a mathematical set. Win:7.0
intersection of <bes filter set>	*Plain*	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>	*Plain*	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>	*Plain*	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>	*Plain*	<bes filter>	Returns the elements of the specified set of BES Filters. Win:7.0
intersection of <bes filter set>	*Plain*	<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

Key Phrase	*Form*	Return Type	Description
size of <bes filter set>	*Plain*	<integer>	Returns the number of BES Filters in the specified set. Win:7.0
union of <bes filter set>	*Plain*	<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>	*<bes filter set>*	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>	*<boolean>*	Compares two sets of BES filters for equivalence. Win:7.0
<bes filter set> contains <bes filter set>	*<boolean>*	Returns TRUE if the first filter set contains the second. Win:7.0
<bes filter set> contains <bes filter>	*<boolean>*	Returns TRUE if the specified filter set contains the given filter. Win:7.0

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	*PlainGlobal*	Returns the list of the global BES Filters, as created by the Find command (ctrl-F). Win:7.0
bes filter <integer>	*NumberedGlobal*	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>	*Plain*	Retrieves an element of the current BES filter set. Win:7.0

Properties

Key Phrase	*Form*	Return Type	Description
action flag of <bes filter>	*Plain*	<boolean>	Returns TRUE if the specified BES Filter was designed for finding Actions. Win:7.0
action set of <bes filter>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified BES Filter was designed for finding Analyses. Win:7.0
analysis set of <bes filter>	*Plain*	<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

Key Phrase	*Form*	Return Type	Description
baseline flag of <bes filter>	*Plain*	<boolean>	Returns TRUE if the specified BES Filter was designed for finding Baselines. Win:7.0
baseline set of <bes filter>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified BES Filter was designed for finding computers. Win:7.0
computer group set of <bes filter>	*Plain*	<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>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified BES Filter was designed for finding Computers. Win:7.0
fixlet set of <bes filter>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified BES Filter was designed for finding computer groups. Win:7.0
id of <bes filter>	*Plain*	<integer>	Returns the numeric ID unique to the specified BES filter. Win:7.0

Key Phrase	*Form*	Return Type	Description
join by intersection flag of <bes filter>	*Plain*	<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>	*Plain*	<string>	Returns the name of the specified BES filter. Win:7.0
private flag of <bes filter>	*Plain*	<boolean>	Returns TRUE if the specified BES filter is marked as private. Win:7.0
set of <bes filter>	*Plain*	<bes filter set>	Converts the specified BES Filter list to a set that can be arithmetically manipulated. Win:7.0
task flag of <bes filter>	*Plain*	<boolean>	Returns TRUE if the specified BES Filter was designed for finding Tasks. Win:7.0
task set of <bes filter>	*Plain*	<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
unmanagedasset flag of <bes filter>	*Plain*	<boolean>	Returns TRUE if the specified BES Filter was designed for finding Unmanaged Assets. Win:7.0
user flag of <bes filter>	*Plain*	<boolean>	Returns TRUE if the specified BES Filter was designed for finding Users. Win:7.0
user set of <bes filter>	*Plain*	<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

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 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>	*Plain*	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>	*Plain*	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

Key Phrase	*Form*	Description
bes fixlet set	*PlainGlobal*	An iteration over the BES Fixlets, represented as a mathematical set. Win:7.0
computer group set of <bes filter>	*Plain*	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>	*Plain*	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>	*Plain*	Returns the set of Fixlets that are associated with the specified BES Site. Win:7.0
intersection of <bes fixlet set>	*Plain*	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>	*Plain*	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>	*Plain*	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>	*Plain*	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

Key Phrase	*Form*	Description
union of <bes fixlet set>	*Plain*	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	*Cast*	<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>	*Plain*	<bes fixlet>	Returns the elements of the specified set of BES Fixlets. Win:7.0
intersection of <bes fixlet set>	*Plain*	<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
size of <bes fixlet set>	*Plain*	<integer>	Returns the number of BES Fixlets in the specified set. Win:7.0
union of <bes fixlet set>	*Plain*	<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

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>	*Plain*	Returns the source analysis fixlet that spawned the specified activation. Win:6.0
bes fixlet	*PlainGlobal*	Returns a list of all the BES custom site objects. Win:6.0
current analysis	*PlainGlobal*	When this Inspector is evaluated in the context of an analysis, it returns the associated Fixlet object. • Note: This is a Console-only Inspector. Win:6.0
current fixlet	*PlainGlobal*	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	*PlainGlobal*	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>	*Plain*	Retrieves an element of the current BES Fixlet set. Win:7.0

Key Phrase	*Form*	Description
fixlet <integer> of <bes site>	*Numbered*	Returns the Fixlet with the specified ID from the given BES site. Win:6.0
fixlet of <bes fixlet result>	*Plain*	Returns the Fixlet message associated with the specified Fixlet result. Win:6.0
fixlet of <bes site>	*Plain*	Returns a list all of the Fixlet objects in the given BES site. Win:6.0
relevant fixlet of <bes computer>	*Plain*	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>	*Plain*	Returns the <bes fixlet> object corresponding to the analysis that defines the specified property. Win:6.0
source fixlet of <bes action>	*Plain*	Returns the <bes fixlet> object that was the source of the specified action. Win:6.0
source fixlet of <bes baseline component>	*Plain*	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	*Cast*	<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>	*Numbered*	<bes fixlet action>	Returns an object representing the nth action for the specified Fixlet message. Win:6.0
action <string> of <bes fixlet>	*Named*	<bes fixlet action>	Returns an object representing the named action for the specified Fixlet message. Win:6.0

Key Phrase	*Form*	Return Type	Description
action of <bes fixlet>	*Plain*	<bes fixlet action>	Returns a list of all the Fixlet actions associated with the specified Fixlet message. Win:6.0
activation of <bes fixlet>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified BES Fixlet message originates from an Analysis. Win:6.0
applicable computer count of <bes fixlet>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified BES Fixlet message originates from a Baseline. Win:6.0
best activation of <bes fixlet>	*Plain*	<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>	*Plain*	<html>	Returns an HTML string containing the body of the Fixlet message. Win:6.0

Key Phrase	*Form*	Return Type	Description
category of <bes fixlet>	*Plain*	<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>	*Plain*	<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>	*Plain*	<bes comment>	Returns the comments assigned to the specified BES Fixlet message. Win:7.0
component group of <bes fixlet>	*Plain*	<bes baseline component group>	If the specified Fixlet message is a baseline, then this Inspector iterates over the component groups. Win:7.0
custom flag of <bes fixlet>	*Plain*	<boolean>	Returns TRUE if the specified BES Fixlet message is custom. Win:6.0
custom site flag of <bes fixlet>	*Plain*	<boolean>	Returns true if and only if the specified Fixlet message resides in a custom site. Win:6.0
custom site of <bes fixlet>	*Plain*	<bes custom site>	If the specified Fixlet message resides in a custom site, this Inspector returns the corresponding custom site object. Win:6.0
cve id list of <bes fixlet>	*Plain*	<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>	*Plain*	<bes fixlet action>	Returns an object representing the default action for the specified Fixlet message. Win:6.0

Key Phrase	*Form*	Return Type	Description
digest file name of <bes fixlet>	*Plain*	<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>	*Plain*	<integer>	Returns the size of the download associated with this Fixlet message, in bytes. Win:6.0
fixlet flag of <bes fixlet>	*Plain*	<boolean>	Returns TRUE if the specified BES Fixlet message originates from an ordinary Fixlet site. Win:6.0
globally visible flag of <bes fixlet>	*Plain*	<boolean>	Returns TRUE if the specified Fixlet message is globally visible. Win:6.0
group flag of <bes fixlet>	*Plain*	<boolean>	Returns TRUE if the specified BES Fixlet message originates from a Group. Win:6.0
id of <bes fixlet>	*Plain*	<integer>	Returns the numeric ID unique to the specified Fixlet message. Win:6.0
issuer of <bes fixlet>	*Plain*	<bes user>	Returns the <bes user> object corresponding to the author of the specified fixlet. Win:6.0
link <html> of <bes fixlet>	*Index<html>*	<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
link <string> of <bes fixlet>	*Named*	<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

Key Phrase	*Form*	Return Type	Description
link href of <bes fixlet>	*Plain*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified Fixlet message is from the Master site. Win:6.0
message of <bes fixlet>	*Plain*	<html>	Returns an HTML string containing the text of the Fixlet message. Win:6.0
mime field <string> of <bes fixlet>	*Named*	<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>	*Plain*	<string>	Returns the name of the specified BES Fixlet. Win:6.0
open action count of <bes fixlet>	*Plain*	<integer>	Returns the number of open actions whose source is the specified Fixlet message. Win:6.0
operator site flag of <bes fixlet>	*Plain*	<boolean>	Returns TRUE if and only if the specified Fixlet message resides in a non-master operator site. Win:6.0

Key Phrase	*Form*	Return Type	Description
property <integer> of <bes fixlet>	*Numbered*	<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>	*Plain*	<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>	*Plain*	<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>	*Index<bes computer>*	<boolean>	Returns TRUE if the given Fixlet message is relevant on the specified computer. Win:6.0
result from <bes computer> of <bes fixlet>	*Index<bes computer>*	<bes fixlet result>	Returns a Fixlet result for the given computer and Fixlet. Win:7.0
result of <bes fixlet>	*Plain*	<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>	*Plain*	<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>	*Plain*	<bes fixlet set>	Converts the specified BES Fixlet list to a set that can be arithmetically manipulated. Win:7.0
site of <bes fixlet>	*Plain*	<bes site>	Returns the <bes site> object which contains the specified fixlet. Win:6.0
source id of <bes fixlet>	*Plain*	<string>	Returns the source ID of the given Fixlet message as a string value. Win:6.0

Key Phrase	*Form*	Return Type	Description
source of <bes fixlet>	*Plain*	<string>	Returns the source of the given Fixlet message as a string value. Win:6.0
source release date of <bes fixlet>	*Plain*	<date>	Returns the <date> object that represents the source release date of the specified Fixlet message. Win:6.0
source severity of <bes fixlet>	*Plain*	<string>	Returns the source severity of the given Fixlet message as a string value. Win:6.0
task flag of <bes fixlet>	*Plain*	<boolean>	Returns TRUE if the specified BES Fixlet message originates from a Task. Win:6.0
type of <bes fixlet>	*Plain*	<string>	Returns the type of the specified Fixlet message, which can have values such as "Fixlet", "Task", "Analysis", "ComputerGroup" or "Baseline". Win:6.0
unlocked computer count of <bes fixlet>	*Plain*	<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>	*Plain*	<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
wizard link of <bes fixlet>	*Plain*	<string>	If the specified Fixlet message was created with a Wizard then this Inspector returns the HTML string representing the link of that Wizard. • Note: This is a Console-only Inspector. Win:6.0

Key Phrase	*Form*	Return Type	Description
wizard name of <bes fixlet>	*Plain*	<string>	If the specified Fixlet message was created with a Wizard then this Inspector returns the HTML string representing the name of that Wizard. • Note: This is a Console-only Inspector. Win:6.0

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 <A href='" & link href of it & html "'>here</A> 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 formated 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 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	*PlainGlobal*	An iteration over the BES Properties, represented as a mathematical set. Win:7.0
intersection of <bes property set>	*Plain*	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>	*Plain*	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>	*Plain*	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>	*Plain*	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	*Cast*	<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>	*Plain*	<bes property>	Returns the elements of the specified set of BES Properties. Win:7.0
intersection of <bes property set>	*Plain*	<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>	*Plain*	<integer>	Returns the number of BES Properties in the specified set. Win:7.0
union of <bes property set>	*Plain*	<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

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	*PlainGlobal*	Returns a list of all the BES custom site objects. Win:6.0
bes property <string>	*NamedGlobal*	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
element of <bes property set>	*Plain*	Retrieves an element of the current BES Property set. Win:7.0
property <integer> of <bes fixlet>	*Numbered*	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>	*Plain*	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>	*Plain*	Returns the property corresponding to the specified BES property result. Win:6.0

Properties

Key Phrase	*Form*	Return Type	Description
<bes property> as xml	*Cast*	<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>	*Plain*	<boolean>	Returns TRUE if the specified BES property is an analysis property. Win:6.0
category of <bes property>	*Plain*	<string>	Returns the optional category created for the specified BES property. Win:7.0
custom flag of <bes property>	*Plain*	<boolean>	Returns TRUE if the specified BES property is custom. Win:6.0
database id of <bes property>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified BES property is the default. Win:6.0
definition of <bes property>	*Plain*	<string>	Returns the relevance expression which defines the specified property. Win:6.0
evaluation period of <bes property>	*Plain*	<time interval>	Returns the <time interval> that controls how frequently clients will submit reports for the specified property. Win:6.0

Key Phrase	*Form*	Return Type	Description
id of <bes property>	*Plain*	<(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 indentifies 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:7.0
keep statistics flag of <bes property>	*Plain*	<boolean>	Returns TRUE if statistics are being kept for the specified BES property. Win:7.0
name of <bes property>	*Plain*	<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>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified BES property is reserved. Win:6.0
result from <bes computer> of <bes property>	*Index<bes computer>*	<bes property result>	Returns the result of the specified BES property and computer. Win:6.0
result of <bes property>	*Plain*	<bes property result>	Returns a list of the BES property results for every computer reporting a result for the specified property. Win:6.0
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

Key Phrase	*Form*	Return Type	Description
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

Examples

```
size of (set of bes properties)
```

Returns the current number of BES properties

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>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the specified BES Unmanaged Asset is editable. Win:7.0
filterable flag of <bes unmanagedasset field>	*Plain*	<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>	*Plain*	<string>	Returns the name of the specified BES unmanaged asset field. Win:7.0
value of <bes unmanagedasset field>	*Plain*	<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 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>	*Plain*	Returns an asset (containing a name / value pair) from the specified BES unmanaged asset field. Win:7.0
bes unmanagedasset	*PlainGlobal*	Returns a list of all the Unmanaged Assets currently defined in BES. Win:7.0
current unmanagedasset	*PlainGlobal*	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>	*Plain*	<boolean>	Returns TRUE if the specified unmanaged asset is running the BES Client. Win:7.0
field of <bes unmanagedasset>	*Plain*	<bes unmanagedasset field>	Returns a list of the fields from the specified BES Unmanaged Asset. Win:7.0
id of <bes unmanagedasset>	*Plain*	<integer>	Returns the unique numeric ID of the given unmanaged asset. Win:7.0
link <html> of <bes unmanagedasset>	*Index<html>*	<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>	*Named*	<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>	*Plain*	<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
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

Key Phrase	*Form*	Return Type	Description
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 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>	*Plain*	Returns the set of users who have administrative rights on this computer. Win:7.0
bes user set	*PlainGlobal*	An iteration over the BES Users, represented as a mathematical set. Win:7.0
intersection of <bes user set>	*Plain*	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 custom site>	*Plain*	Returns the set of BES users who are owners (the iterated list) of the specified BES custom site. Win:7.0

Key Phrase	*Form*	Description
reader set of <bes custom site>	*Plain*	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>	*Plain*	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>	*Plain*	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>	*Plain*	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 custom site>	*Plain*	Returns the set of BES users who have write permissions (the iterated list) onthe specified BES custom site. Win:7.0

Properties

Key Phrase	*Form*	Return Type	Description
element of <bes user set>	*Plain*	<bes user>	Returns the elements of the specified set of BES Users. Win:7.0
intersection of <bes user set>	*Plain*	<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>	*Plain*	<integer>	Returns the number of BES Users in the specified set. Win:7.0

Key Phrase	*Form*	Return Type	Description
union of <bes user set>	*Plain*	<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>	*<bes user set>*	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>	*<boolean>*	Compares two sets of BES Users for equivalence. Win:7.0

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>	*Plain*	Iterates over the users who have administrative rights on this computer. Win:7.0
author of <bes comment>	*Plain*	Returns the author of the specified BES Comment. Win:7.0
bes user	*PlainGlobal*	Returns a list of all the BES users. Win:6.0
creator of <bes custom site>	*Plain*	Returns the <bes user> who created the specified custom site. Win:6.0

Key Phrase	*Form*	Description
current console user	*PlainGlobal*	Returns a user object for the user currently logged into the BES Console. Win:6.0
element of <bes user set>	*Plain*	Retrieves an element of the current BES User set. Win:7.0
issuer of <bes action>	*Plain*	Returns the BES user object corresponding to the issuer of the specified action. Win:6.0
issuer of <bes activation>	*Plain*	Returns the <bes user> object corresponding to the user who issued the specified activation. Win:6.0
issuer of <bes fixlet>	*Plain*	Returns the <bes user> object corresponding to the author of the specified fixlet. Win:6.0
owner of <bes custom site>	*Plain*	Returns a list of BES users that have been granted ownership of the specified custom site. Notice that the creator of this site is not included in the owner list. • Note: This is a Console-only Inspector. Win:6.0
reader of <bes custom site>	*Plain*	Returns a list of BES users that have been granted reading privileges on the specified custom 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:6.0
stopper of <bes action>	*Plain*	If the specified action has been stopped, this Inspector returns the user who stopped it. Win:7.0
writer of <bes custom site>	*Plain*	Returns a list of BES users that have been granted writing privileges on the specified custom 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:6.0

Properties

Key Phrase	*Form*	Return Type	Description
administered computer of <bes user>	*Plain*	<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>	*Plain*	<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>	*Index<bes computer>*	<boolean>	Returns TRUE if the specified user is an administrator of the given computers. Win:7.0
creation time of <bes user>	*Plain*	<time>	Returns the time when the specified user was created. Win:6.0
custom content flag of <bes user>	*Plain*	<boolean>	Returns TRUE if the user has been granted the privilege to author custom content/actions. Win:6.0
issued action of <bes user>	*Plain*	<bes action>	Returns all actions, including hidden actions, issued by the specified user. Win:7.0
issued action set of <bes user>	*Plain*	<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>	*Plain*	<time>	Returns the time of the specified user's most recent database login. Win:6.0
link <html> of <bes user>	*Index<html>*	<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

Key Phrase	*Form*	Return Type	Description
link <string> of <bes user>	*Named*	<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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<boolean>	Returns TRUE if the user is a master administrator. Win:6.0
name of <bes user>	*Plain*	<string>	Returns the name of the specified BES user (database login name). Win:6.0
set of <bes user>	*Plain*	<bes user set>	Converts the specified BES User list to a set that can be arithmetically manipulated. Win:7.0
unmanagedasset privilege scanpoint 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 the "scanpoint only" option is set for the specified user. Win:7.0

Key Phrase	*Form*	Return Type	Description
unmanagedasset privilege showall 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 all assets are visible for the specified user. Win:7.0
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 <A href='" & link href of it & html "'>here</A>
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 formated as links in an HTML string.

```
size of (set of bes users)
```

Returns the current number of BES users.

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	*Cast*	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	*Cast*	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
<bes computer group set> as xml	*Cast*	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
<bes computer group> as xml	*Cast*	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
<bes fixlet set> as xml	*Cast*	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
<bes fixlet> as xml	*Cast*	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
<bes property set> as xml	*Cast*	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

Key Phrase	*Form*	Description
<bes property> as xml	*Cast*	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

BES Deployment Option

Creation Methods

Key Phrase	*Form*	Description
bes deployment option	*PlainGlobal*	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>	*NamedGlobal*	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>	*Plain*	<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>	*Plain*	<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>	*Plain*	<string>	Returns the name of the specified BES deployment option. Win:7.0
value of <bes deployment option>	*Plain*	<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.

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*
absolute value of <hertz>	absolute values	<hertz>	<hertz>	*Plain*
absolute value of <integer>	absolute values	<integer>	<integer>	*Plain*
absolute value of <time interval>	absolute values	<time interval>	<time interval>	*Plain*
access mode of <access control entry>	access modes	<integer>	<access control entry>	*Plain*
accessed time of <filesystem object>	accessed times	<time>	<filesystem object>	*Plain*
account disabled flag of <local user>	account disabled flags	<boolean>	<local user>	*Plain*
account expiration of <local user>	account expirations	<time>	<local user>	*Plain*
account name of <security identifier>	account names	<string>	<security identifier>	*Plain*
accounts operator flag of <local user>	accounts operator flags	<boolean>	<local user>	*Plain*
action	actions	<action>	<world>	*PlainGlobal*
action <integer>	actions	<action>	<world>	*NumberedGlobal*
action lock state	action lock states	<action lock state>	<world>	*PlainGlobal*
action of <firewall rule>	actions	<firewall action>	<firewall rule>	*Plain*
active action	active actions	<action>	<world>	*PlainGlobal*
active device	active devices	<active device>	<world>	*PlainGlobal*
active device file	active device files	<file>	<world>	*PlainGlobal*
active device file <string>	active device files	<file>	<world>	*NamedGlobal*
active of <action>	actives	<boolean>	<action>	*Plain*

Key Phrase	Plural	Creates a	From a	*Form*
active of <logged on user>	actives	<boolean>	<logged on user>	*Plain*
active start time of <action>	active start times	<time>	<action>	*Plain*
adapter of <network>	adapters	<network adapter>	<network>	*Plain*
address list of <network adapter>	address lists	<network address list>	<network adapter>	*Plain*
address of <network adapter>	addresses	<ipv4 address>	<network adapter>	*Plain*
address of <network address list>	addresses	<ipv4 address>	<network address list>	*Plain*
address of <network ip interface>	addresses	<ipv4 address>	<network ip interface>	*Plain*
admin privilege of <local user>	admin privileges	<boolean>	<local user>	*Plain*
administrator <string> of <client>	administrators	<setting>	<client>	*Named*
administrator of <client>	administrators	<setting>	<client>	*Plain*
all firewall scope	all firewall scopes	<firewall scope>	<world>	*PlainGlobal*
allow firewall action	allow firewall actions	<firewall action>	<world>	*PlainGlobal*
allow inbound echo request of <firewall icmp settings>	allow inbound echo requests	<boolean>	<firewall icmp settings>	*Plain*
allow inbound mask request of <firewall icmp settings>	allow inbound mask requests	<boolean>	<firewall icmp settings>	*Plain*
allow inbound router request of <firewall icmp settings>	allow inbound router requests	<boolean>	<firewall icmp settings>	*Plain*
allow inbound timestamp request of <firewall icmp settings>	allow inbound timestamp requests	<boolean>	<firewall icmp settings>	*Plain*
allow outbound destination unreachable of <firewall icmp settings>	allow outbound destination unreachables	<boolean>	<firewall icmp settings>	*Plain*
allow outbound packet too big of <firewall icmp settings>	allow outbound packet too bigs	<boolean>	<firewall icmp settings>	*Plain*
allow outbound parameter problem of <firewall icmp settings>	allow outbound parameter problems	<boolean>	<firewall icmp settings>	*Plain*
allow outbound source quench of <firewall icmp settings>	allow outbound source quenches	<boolean>	<firewall icmp settings>	*Plain*
allow outbound time exceeded of <firewall icmp settings>	allow outbound time exceededs	<boolean>	<firewall icmp settings>	*Plain*

Key Phrase	Plural	Creates a	From a	*Form*
allow redirect of <firewall icmp settings>	allow redirects	<boolean>	<firewall icmp settings>	*Plain*
allowed workstations string of <local user>	allowed workstations strings	<string>	<local user>	*Plain*
ancestor of <filesystem object>	ancestors	<folder>	<filesystem object>	*Plain*
ansi code page	ansi code pages	<integer>	<world>	*PlainGlobal*
any ip version	any ip versions	<ip version>	<world>	*PlainGlobal*
apparent registration server time	apparent registration server times	<time>	<world>	*PlainGlobal*
append permission of <access control entry>	append permissions	<boolean>	<access control entry>	*Plain*
application <string>	applications	<application>	<world>	*NamedGlobal*
application <string> of <folder>	applications	<application>	<folder>	*Named*
application <string> of <registry key>	applications	<application>	<registry key>	*Named*
application <string> of <registry>	applications	<application>	<registry>	*Named*
application event log	application event logs	<event log>	<world>	*PlainGlobal*
application folder <string> of <registry key>	application folders	<folder>	<registry key>	*Named*
application folder <string> of <registry>	application folders	<folder>	<registry>	*Named*
application folder of <registry key>	application folders	<folder>	<registry key>	*Plain*
application name of <firewall rule>	application names	<string>	<firewall rule>	*Plain*
application of <registry key>	applications	<application>	<registry key>	*Plain*
application of <registry>	applications	<application>	<registry>	*Plain*
application parameter string of <local user>	application parameter strings	<string>	<local user>	*Plain*
application usage summary	application usage summaries	<application usage summary>	<world>	*PlainGlobal*
application usage summary <string>	application usage summaries	<application usage summary>	<world>	*NamedGlobal*
april	aprils	<month>	<world>	*PlainGlobal*
april <integer>	aprils	<day of year>	<world>	*NumberedGlobal*

Key Phrase	Plural	Creates a	From a	*Form*
april <integer> of <integer>	aprils	<date>	<integer>	*Numbered*
april of <integer>	aprils	<month and year>	<integer>	*Plain*
archive of <filesystem object>	archives	<boolean>	<filesystem object>	*Plain*
argument string of <file shortcut>	argument strings	<string>	<file shortcut>	*Plain*
attribute <integer> of <xml dom node>	attributes	<xml dom node>	<xml dom node>	*Numbered*
attribute <string> of <xml dom node>	attributes	<xml dom node>	<xml dom node>	*Named*
attribute of <xml dom node>	attributes	<xml dom node>	<xml dom node>	*Plain*
attribute permission of <network share>	attribute permissions	<boolean>	<network share>	*Plain*
audit failure event log event type	audit failure event log event types	<event log event type>	<world>	*PlainGlobal*
audit level of <local mssql database>	audit levels	<integer>	<local mssql database>	*Plain*
audit success event log event type	audit success event log event types	<event log event type>	<world>	*PlainGlobal*
august	augusts	<month>	<world>	*PlainGlobal*
august <integer>	augusts	<day of year>	<world>	*NumberedGlobal*
august <integer> of <integer>	augusts	<date>	<integer>	*Numbered*
august of <integer>	augusts	<month and year>	<integer>	*Plain*
authorized application of <firewall profile>	authorized applications	<firewall authorized application>	<firewall profile>	*Plain*
backoffice bit <operating system suite mask>	backoffice bits	<boolean>	<world>	*IndexedGlobal*
bad password count of <local user>	bad password counts	<integer>	<local user>	*Plain*
bes license	bes licenses	<license>	<world>	*PlainGlobal*
binary operator <string>	binary operators	<binary operator>	<world>	*NamedGlobal*
binary operator returning <type>	binary operators returning	<binary operator>	<world>	*IndexedGlobal*
bit <integer>	bits	<bit set>	<world>	*NumberedGlobal*
bit <integer> of <bit set>	bits	<boolean>	<bit set>	*Numbered*

Key Phrase	Plural	Creates a	From a	*Form*
bit <integer> of <integer>	bits	<boolean>	<integer>	*Numbered*
bit set <string>	bit sets	<bit set>	<world>	*NamedGlobal*
blade bit <operating system suite mask>	blade bits	<boolean>	<world>	*IndexedGlobal*
block firewall action	block firewall actions	<firewall action>	<world>	*PlainGlobal*
boolean <string>	booleans	<boolean>	<world>	*NamedGlobal*
boolean value <integer> of <wmi select>	boolean values	<boolean>	<wmi select>	*Numbered*
boolean value of <wmi select>	boolean values	<boolean>	<wmi select>	*Plain*
boot time of <operating system>	boot times	<time>	<operating system>	*Plain*
brand id of <processor>	brand ids	<integer>	<processor>	*Plain*
brand string of <processor>	brand strings	<string>	<processor>	*Plain*
broadcast address of <network ip interface>	broadcast addresses	<ipv4 address>	<network ip interface>	*Plain*
broadcast support of <network ip interface>	broadcast supports	<boolean>	<network ip interface>	*Plain*
build number high of <operating system>	build number highs	<integer>	<operating system>	*Plain*
build number low of <operating system>	build number lows	<integer>	<operating system>	*Plain*
build number of <operating system>	build numbers	<integer>	<operating system>	*Plain*
built in of <firewall open port>	built ins	<boolean>	<firewall open port>	*Plain*
byte <integer> of <file>	bytes	<integer>	<file>	*Numbered*
can interact with desktop of <service>	can interact with desktops	<boolean>	<service>	*Plain*
case insensitive regex <string>	case insensitive regexes	<regular expression>	<world>	*NamedGlobal*
case insensitive regular expression <string>	case insensitive regular expressions	<regular expression>	<world>	*NamedGlobal*
cast <string>	casts	<cast>	<world>	*NamedGlobal*
cast from of <type>	casts from	<cast>	<type>	*Plain*
cast returning <type>	casts returning	<cast>	<world>	*IndexedGlobal*
category of <event log record>	categories	<integer>	<event log record>	*Plain*

Key Phrase	Plural	Creates a	From a	*Form*
change notification permission of <access control entry>	change notification permissions	<boolean>	<access control entry>	*Plain*
character <integer>	characters	<string>	<world>	*NumberedGlobal*
character <integer> of <string>	characters	<substring>	<string>	*Numbered*
character of <string>	characters	<substring>	<string>	*Plain*
checkpoint of <service>	checkpoints	<integer>	<service>	*Plain*
child node <integer> of <xml dom node>	child nodes	<xml dom node>	<xml dom node>	*Numbered*
child node of <xml dom node>	child nodes	<xml dom node>	<xml dom node>	*Plain*
class of <active device>	classes	<string>	<active device>	*Plain*
client	clients	<client>	<world>	*PlainGlobal*
client folder of <site>	client folders	<folder>	<site>	*Plain*
client license	client licenses	<license>	<world>	*PlainGlobal*
code page of <local user>	code pages	<integer>	<local user>	*Plain*
codepage of <file version block>	codepages	<string>	<file version block>	*Plain*
comment of <local group>	comments	<string>	<local group>	*Plain*
comment of <local user>	comments	<string>	<local user>	*Plain*
comment of <network share>	comments	<string>	<network share>	*Plain*
common name of <license>	common names	<string>	<license>	*Plain*
communications bit <operating system suite mask>	communications bits	<boolean>	<world>	*IndexedGlobal*
communications operator flag of <local user>	communications operator flags	<boolean>	<local user>	*Plain*
competition size of <selected server>	competition sizes	<integer>	<selected server>	*Plain*
competition weight of <selected server>	competition weights	<integer>	<selected server>	*Plain*
complete time of <action>	complete times	<time>	<action>	*Plain*
component <integer> of <distinguished name>	components	<distinguished name component>	<distinguished name>	*Numbered*
component <integer> of <site version list>	components	<integer>	<site version list>	*Numbered*

Key Phrase	Plural	Creates a	From a	*Form*
component of <distinguished name>	components	<distinguished name component>	<distinguished name>	*Plain*
compressed of <filesystem object>	compresseds	<boolean>	<filesystem object>	*Plain*
computer id	computer ids	<integer>	<world>	*PlainGlobal*
computer name	computer names	<string>	<world>	*PlainGlobal*
computer of <event log record>	computers	<string>	<event log record>	*Plain*
concatenation <html> of <html>	concatenations	<html>	<html>	*Indexed*
concatenation <html> of <string>	concatenations	<html>	<string>	*Indexed*
concatenation <string> of <string>	concatenations	<string>	<string>	*Named*
concatenation of <string>	concatenations	<string>	<string>	*Plain*
conjunction of <boolean>	conjunctions	<boolean>	<boolean>	*Plain*
connection of <network>	connections	<connection>	<network>	*Plain*
connection status <integer>	connection statuses	<connection status>	<world>	*NumberedGlobal*
connection status authenticating	connection statuses authenticating	<connection status>	<world>	*PlainGlobal*
connection status authentication failed	connection statuses authentication failed	<connection status>	<world>	*PlainGlobal*
connection status authentication succeeded	connection statuses authentication succeeded	<connection status>	<world>	*PlainGlobal*
connection status connected	connection statuses connected	<connection status>	<world>	*PlainGlobal*
connection status connecting	connection statuses connecting	<connection status>	<world>	*PlainGlobal*
connection status disconnected	connection statuses disconnected	<connection status>	<world>	*PlainGlobal*
connection status disconnecting	connection statuses disconnecting	<connection status>	<world>	*PlainGlobal*
connection status hardware disabled	connection statuses hardware disabled	<connection status>	<world>	*PlainGlobal*
connection status hardware malfunction	connection statuses hardware malfunction	<connection status>	<world>	*PlainGlobal*
connection status media disconnected	connection statuses media disconnected	<connection status>	<world>	*PlainGlobal*
connection status no hardware present	connection statuses no hardware present	<connection status>	<world>	*PlainGlobal*

Key Phrase	Plural	Creates a	From a	*Form*
constrained of <action>	constraineds	<boolean>	<action>	*Plain*
content of <file>	contents	<file content>	<file>	*Plain*
control of <security descriptor>	controls	<integer>	<security descriptor>	*Plain*
controller of <action lock state>	controllers	<string>	<action lock state>	*Plain*
country code of <local user>	country codes	<integer>	<local user>	*Plain*
create file permission of <access control entry>	create file permissions	<boolean>	<access control entry>	*Plain*
create folder permission of <access control entry>	create folder permissions	<boolean>	<access control entry>	*Plain*
create link permission of <access control entry>	create link permissions	<boolean>	<access control entry>	*Plain*
create permission of <network share>	create permissions	<boolean>	<network share>	*Plain*
create subkey permission of <access control entry>	create subkey permissions	<boolean>	<access control entry>	*Plain*
creation time of <filesystem object>	creation times	<time>	<filesystem object>	*Plain*
csd version of <operating system>	csd versions	<string>	<operating system>	*Plain*
csidl folder <integer>	csidl folders	<folder>	<world>	*NumberedGlobal*
current date	current dates	<date>	<world>	*PlainGlobal*
current day_of_month	current days_of_month	<day of month>	<world>	*PlainGlobal*
current day_of_week	current days_of_week	<day of week>	<world>	*PlainGlobal*
current day_of_year	current days_of_year	<day of year>	<world>	*PlainGlobal*
current firewall profile type	current firewall profile types	<firewall profile type>	<world>	*PlainGlobal*
current month	current months	<month>	<world>	*PlainGlobal*
current month_and_year	current months_and_years	<month and year>	<world>	*PlainGlobal*
current profile of <firewall policy>	current profiles	<firewall profile>	<firewall policy>	*Plain*
current profile type of <firewall>	current profile types	<firewall profile type>	<firewall>	*Plain*
current relay	current relays	<current relay>	<world>	*PlainGlobal*
current site	current sites	<site>	<world>	*PlainGlobal*

Key Phrase	Plural	Creates a	From a	*Form*
current time_of_day	current times_of_day	<time of day with time zone>	<world>	*PlainGlobal*
current time_of_day <time zone>	current times_of_day	<time of day with time zone>	<world>	*IndexedGlobal*
current user	current users	<current user>	<world>	*PlainGlobal*
current user	current users	<logged on user>	<world>	*PlainGlobal*
current user key <logged on user> of <registry>	current user keys	<registry key>	<registry>	*Indexed*
current year	current years	<year>	<world>	*PlainGlobal*
currently active of <firewall rule>	currently actives	<boolean>	<firewall rule>	*Plain*
custom firewall scope	custom firewall scopes	<firewall scope>	<world>	*PlainGlobal*
custom site subscription effective date <string>	custom site subscription effective dates	<time>	<world>	*NamedGlobal*
customized of <firewall service>	customizeds	<boolean>	<firewall service>	*Plain*
dacl of <security descriptor>	dacls	<access control list>	<security descriptor>	*Plain*
datacenter bit <operating system suite mask>	datacenter bits	<boolean>	<world>	*IndexedGlobal*
date <string>	dates	<date>	<world>	*NamedGlobal*
date <time zone> of <time>	dates	<date>	<time>	*Indexed*
date of <bios>	dates	<string>	<bios>	*Plain*
day	days	<time interval>	<world>	*PlainGlobal*
day of <day of year>	days	<day of month>	<day of year>	*Plain*
day_of_month <integer>	days_of_month	<day of month>	<world>	*NumberedGlobal*
day_of_month <string>	days_of_month	<day of month>	<world>	*NamedGlobal*
day_of_month of <date>	days_of_month	<day of month>	<date>	*Plain*
day_of_week <string>	days_of_week	<day of week>	<world>	*NamedGlobal*
day_of_week of <date>	days_of_week	<day of week>	<date>	*Plain*
day_of_year of <date>	days_of_year	<day of year>	<date>	*Plain*

Key Phrase	Plural	Creates a	From a	*Form*
december	decembers	<month>	<world>	*PlainGlobal*
december <integer>	decembers	<day of year>	<world>	*NumberedGlobal*
december <integer> of <integer>	decembers	<date>	<integer>	*Numbered*
december of <integer>	decembers	<month and year>	<integer>	*Plain*
default value of <registry key>	default values	<registry key value>	<registry key>	*Plain*
default web browser	default web browsers	<application>	<world>	*PlainGlobal*
delete child permission of <access control entry>	delete child permissions	<boolean>	<access control entry>	*Plain*
delete permission of <access control entry>	delete permissions	<boolean>	<access control entry>	*Plain*
delete permission of <network share>	delete permissions	<boolean>	<network share>	*Plain*
descendant folder of <folder>	descendant folders	<folder>	<folder>	*Plain*
descendant of <folder>	descendants	<file>	<folder>	*Plain*
description of <active device>	descriptions	<string>	<active device>	*Plain*
description of <event log record>	descriptions	<string>	<event log record>	*Plain*
description of <firewall rule>	descriptions	<string>	<firewall rule>	*Plain*
description of <network adapter>	descriptions	<string>	<network adapter>	*Plain*
device key <string> of <registry>	device keys	<registry key>	<registry>	*Named*
device key of <registry>	device keys	<registry key>	<registry>	*Plain*
device name of <connection>	device names	<string>	<connection>	*Plain*
dhcp enabled of <network adapter>	dhcp enableds	<boolean>	<network adapter>	*Plain*
dhcp server of <network adapter>	dhcp servers	<ipv4 address>	<network adapter>	*Plain*
direct object type of <property>	direct object types	<type>	<property>	*Plain*
disjunction of <boolean>	disjunctions	<boolean>	<boolean>	*Plain*
display name of <service>	display names	<string>	<service>	*Plain*
distance of <selected server>	distances	<integer range>	<selected server>	*Plain*
distinguished name <string>	distinguished names	<distinguished name>	<world>	*NamedGlobal*

Key Phrase	Plural	Creates a	From a	*Form*
distinguished name error message of <active directory local computer>	distinguished name error messages	<string>	<active directory local computer>	*Plain*
distinguished name of <active directory local computer>	distinguished names	<string>	<active directory local computer>	*Plain*
divided by zero of <floating point>	divided by zeroes	<boolean>	<floating point>	*Plain*
dmi	dmis	<dmi>	<world>	*PlainGlobal*
dns name	dns names	<string>	<world>	*PlainGlobal*
dns server of <network adapter>	dns servers	<network address list>	<network adapter>	*Plain*
dns server of <network>	dns servers	<network address list>	<network>	*Plain*
dns suffix of <network adapter>	dns suffixes	<string>	<network adapter>	*Plain*
domain firewall profile type	domain firewall profile types	<firewall profile type>	<world>	*PlainGlobal*
domain name of <security identifier>	domain names	<string>	<security identifier>	*Plain*
domain profile of <firewall policy>	domain profiles	<firewall profile>	<firewall policy>	*Plain*
domain user	domain users	<local user>	<world>	*PlainGlobal*
domain user <string>	domain users	<local user>	<world>	*NamedGlobal*
drive	drives	<drive>	<world>	*PlainGlobal*
drive <string>	drives	<drive>	<world>	*NamedGlobal*
drive of <filesystem object>	drives	<drive>	<filesystem object>	*Plain*
driver key of <active device>	driver keys	<registry key>	<active device>	*Plain*
driver key of <registry key>	driver keys	<registry key>	<registry key>	*Plain*
driver key value name of <active device>	driver key value names	<string>	<active device>	*Plain*
edge traversal allowed of <firewall rule>	edge traversal alloweds	<boolean>	<firewall rule>	*Plain*
effective access mode for <string> of <access control list>	effective access modes for	<integer>	<access control list>	*Named*
effective access system security permission for <string> of <access control list>	effective access system security permissions for	<boolean>	<access control list>	*Named*

Key Phrase	Plural	Creates a	From a	*Form*
effective append permission for <string> of <access control list>	effective append permissions for	<boolean>	<access control list>	*Named*
effective change notification permission for <string> of <access control list>	effective change notification permissions for	<boolean>	<access control list>	*Named*
effective create file permission for <string> of <access control list>	effective create file permissions for	<boolean>	<access control list>	*Named*
effective create folder permission for <string> of <access control list>	effective create folder permissions for	<boolean>	<access control list>	*Named*
effective create link permission for <string> of <access control list>	effective create link permissions for	<boolean>	<access control list>	*Named*
effective create subkey permission for <string> of <access control list>	effective create subkey permissions for	<boolean>	<access control list>	*Named*
effective date of <action lock state>	effective dates	<time>	<action lock state>	*Plain*
effective date of <setting>	effective dates	<time>	<setting>	*Plain*
effective delete child permission for <string> of <access control list>	effective delete child permissions for	<boolean>	<access control list>	*Named*
effective delete permission for <string> of <access control list>	effective delete permissions for	<boolean>	<access control list>	*Named*
effective enumerate subkeys permission for <string> of <access control list>	effective enumerate subkeys permissions for	<boolean>	<access control list>	*Named*
effective execute permission for <string> of <access control list>	effective execute permissions for	<boolean>	<access control list>	*Named*
effective generic all permission for <string> of <access control list>	effective generic all permissions for	<boolean>	<access control list>	*Named*
effective generic execute permission for <string> of <access control list>	effective generic execute permissions for	<boolean>	<access control list>	*Named*
effective generic read permission for <string> of <access control list>	effective generic read permissions for	<boolean>	<access control list>	*Named*
effective generic write permission for <string> of <access control list>	effective generic write permissions for	<boolean>	<access control list>	*Named*
effective list permission for <string> of <access control list>	effective list permissions for	<boolean>	<access control list>	*Named*

Key Phrase	Plural	Creates a	From a	*Form*
effective maximum allowed permission for <string> of <access control list>	effective maximum allowed permissions for	<boolean>	<access control list>	*Named*
effective query value permission for <string> of <access control list>	effective query value permissions for	<boolean>	<access control list>	*Named*
effective read attributes permission for <string> of <access control list>	effective read attributes permissions for	<boolean>	<access control list>	*Named*
effective read control permission for <string> of <access control list>	effective read control permissions for	<boolean>	<access control list>	*Named*
effective read extended attributes permission for <string> of <access control list>	effective read extended attributes permissions for	<boolean>	<access control list>	*Named*
effective read permission for <string> of <access control list>	effective read permissions for	<boolean>	<access control list>	*Named*
effective set value permission for <string> of <access control list>	effective set value permissions for	<boolean>	<access control list>	*Named*
effective synchronize permission for <string> of <access control list>	effective synchronize permissions for	<boolean>	<access control list>	*Named*
effective traverse permission for <string> of <access control list>	effective traverse permissions for	<boolean>	<access control list>	*Named*
effective write attributes permission for <string> of <access control list>	effective write attributes permissions for	<boolean>	<access control list>	*Named*
effective write dac permission for <string> of <access control list>	effective write dac permissions for	<boolean>	<access control list>	*Named*
effective write extended attributes permission for <string> of <access control list>	effective write extended attributes permissions for	<boolean>	<access control list>	*Named*
effective write owner permission for <string> of <access control list>	effective write owner permissions for	<boolean>	<access control list>	*Named*
effective write permission for <string> of <access control list>	effective write permissions for	<boolean>	<access control list>	*Named*
element of <integer set>	elements	<integer>	<integer set>	*Plain*
element of <string set>	elements	<string>	<string set>	*Plain*
email address of <license>	email addresses	<string>	<license>	*Plain*
embedded nt bit <operating system suite mask>	embedded nt bits	<boolean>	<world>	*IndexedGlobal*

Key Phrase	Plural	Creates a	From a	*Form*
embedded restricted bit <operating system suite mask>	embedded restricted bits	<boolean>	<world>	*IndexedGlobal*
enabled of <firewall authorized application>	enableds	<boolean>	<firewall authorized application>	*Plain*
enabled of <firewall open port>	enableds	<boolean>	<firewall open port>	*Plain*
enabled of <firewall rule>	enableds	<boolean>	<firewall rule>	*Plain*
enabled of <firewall service>	enableds	<boolean>	<firewall service>	*Plain*
enabled of <internet connection firewall>	enableds	<boolean>	<internet connection firewall>	*Plain*
enabled of <port mapping>	enableds	<boolean>	<port mapping>	*Plain*
end of <substring>	ends	<string position>	<substring>	*Plain*
end of <time range>	ends	<time>	<time range>	*Plain*
enterprise bit <operating system suite mask>	enterprise bits	<boolean>	<world>	*IndexedGlobal*
entry of <access control list>	entries	<access control entry>	<access control list>	*Plain*
enumerate subkeys permission of <access control entry>	enumerate subkeys permissions	<boolean>	<access control entry>	*Plain*
environment	environments	<environment>	<world>	*PlainGlobal*
error <string>	errors	<undefined>	<world>	*NamedGlobal*
error event log event type	error event log event types	<event log event type>	<world>	*PlainGlobal*
escape of <string>	escapes	<string>	<string>	*Plain*
evaluation of <license>	evaluations	<boolean>	<license>	*Plain*
event id of <event log record>	event ids	<integer>	<event log record>	*Plain*
event log <string>	event logs	<event log>	<world>	*NamedGlobal*
event log event type <integer>	event log event types	<event log event type>	<world>	*NumberedGlobal*
event type of <event log record>	event types	<event log event type>	<event log record>	*Plain*
exceptions allowed of <firewall profile>	exceptions alloweds	<boolean>	<firewall profile>	*Plain*

Key Phrase	Plural	Creates a	From a	*Form*
excluded interface of <firewall profile>	excluded interfaces	<string>	<firewall profile>	*Plain*
executable file format of <file>	executable file formats	<string>	<file>	*Plain*
execute permission of <access control entry>	execute permissions	<boolean>	<access control entry>	*Plain*
execute permission of <network share>	execute permissions	<boolean>	<network share>	*Plain*
expand environment string of <string>	expand environment strings	<string>	<string>	*Plain*
expiration date of <action lock state>	expiration dates	<time>	<action lock state>	*Plain*
expiration date of <license>	expiration dates	<time>	<license>	*Plain*
expiration state of <license>	expiration states	<string>	<license>	*Plain*
extended family of <processor>	extended families	<integer>	<processor>	*Plain*
extended model of <processor>	extended models	<integer>	<processor>	*Plain*
external port of <port mapping>	external ports	<integer>	<port mapping>	*Plain*
false	falses	<boolean>	<world>	*PlainGlobal*
family name of <processor>	family names	<string>	<processor>	*Plain*
family of <network interface>	families	<integer>	<network interface>	*Plain*
family of <processor>	families	<integer>	<processor>	*Plain*
feature mask of <processor>	feature masks	<integer>	<processor>	*Plain*
february	februarys	<month>	<world>	*PlainGlobal*
february <integer>	februarys	<day of year>	<world>	*NumberedGlobal*
february <integer> of <integer>	februarys	<date>	<integer>	*Numbered*
february of <integer>	februarys	<month and year>	<integer>	*Plain*
file <string>	files	<file>	<world>	*NamedGlobal*
file <string> of <folder>	files	<file>	<folder>	*Named*
file extension <string> of <registry>	file extensions	<registry key>	<registry>	*Named*
file of <folder>	files	<file>	<folder>	*Plain*
file of <service>	files	<file>	<service>	*Plain*
file system type of <drive>	file system types	<string>	<drive>	*Plain*
file type <string> of <registry>	file types	<registry key>	<registry>	*Named*

Key Phrase	Plural	Creates a	From a	*Form*
file version of <file>	file versions	<version>	<file>	*Plain*
file_and_print firewall service type	file_and_print firewall service types	<firewall service type>	<world>	*PlainGlobal*
file_supports_encryption of <drive>	file_supports_encryptions	<boolean>	<drive>	*Plain*
file_supports_object_ids of <drive>	file_supports_object_idss	<boolean>	<drive>	*Plain*
file_supports_reparse_points of <drive>	file_supports_reparse_pointss	<boolean>	<drive>	*Plain*
file_supports_sparse_files of <drive>	file_supports_sparse_filess	<boolean>	<drive>	*Plain*
file_volume_quotas of <drive>	file_volume_quotass	<boolean>	<drive>	*Plain*
final part <time interval> of <time range>	final parts	<time range>	<time range>	*Indexed*
find file <string> of <folder>	find files	<file>	<folder>	*Named*
finite of <floating point>	finites	<boolean>	<floating point>	*Plain*
firewall	firewalls	<firewall>	<world>	*PlainGlobal*
firewall action <integer>	firewall actions	<firewall action>	<world>	*NumberedGlobal*
firewall enabled of <firewall profile>	firewalls enabled	<boolean>	<firewall profile>	*Plain*
firewall local policy modify state <integer>	firewall local policy modify states	<firewall local policy modify state>	<world>	*NumberedGlobal*
firewall of <connection>	firewalls	<internet connection firewall>	<connection>	*Plain*
firewall profile type <integer>	firewall profile types	<firewall profile type>	<world>	*NumberedGlobal*
firewall scope <integer>	firewall scopes	<firewall scope>	<world>	*NumberedGlobal*
firewall service type <integer>	firewall service types	<firewall service type>	<world>	*NumberedGlobal*
first <day of week> of <month and year>	firsts	<date>	<month and year>	*Indexed*
first <integer> of <string>	firsts	<substring>	<string>	*Numbered*
first <string> of <string>	firsts	<substring>	<string>	*Named*
first child of <xml dom node>	first children	<xml dom node>	<xml dom node>	*Plain*

Key Phrase	Plural	Creates a	From a	*Form*
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>	*Indexed*
first monday of <month and year>	first mondays	<date>	<month and year>	*Plain*
first raw version block of <file>	first raw version blocks	<file version block>	<file>	*Plain*
first saturday of <month and year>	first saturdays	<date>	<month and year>	*Plain*
first start time of <application usage summary>	first start times	<time>	<application usage summary>	*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*
first wednesday of <month and year>	first wednesdays	<date>	<month and year>	*Plain*
fixlet of <site>	fixlets	<fixlet>	<site>	*Plain*
floating point <string>	floating points	<floating point>	<world>	*NamedGlobal*
folder <string>	folders	<folder>	<world>	*NamedGlobal*
folder <string> of <drive>	folders	<folder>	<drive>	*Named*
folder <string> of <folder>	folders	<folder>	<folder>	*Named*
folder of <folder>	folders	<folder>	<folder>	*Plain*
following text of <string position>	following texts	<substring>	<string position>	*Plain*
following text of <substring>	following texts	<substring>	<substring>	*Plain*
free space of <drive>	free spaces	<integer>	<drive>	*Plain*
friday	fridays	<day of week>	<world>	*PlainGlobal*
friendly name of <active device>	friendly names	<string>	<active device>	*Plain*
friendly name of <network adapter>	friendly names	<string>	<network adapter>	*Plain*
fs_case_is_preserved of <drive>	fs_case_is_preserveds	<boolean>	<drive>	*Plain*

Key Phrase	Plural	Creates a	From a	*Form*
fs_case_sensitive of <drive>	fs_case_sensitives	<boolean>	<drive>	*Plain*
fs_file_compression of <drive>	fs_file_compressions	<boolean>	<drive>	*Plain*
fs_persistent_acls of <drive>	fs_persistent_aclss	<boolean>	<drive>	*Plain*
fs_unicode_stored_on_disk of <drive>	fs_unicode_stored_on_disks	<boolean>	<drive>	*Plain*
fs_vol_is_compressed of <drive>	fs_vol_is_compresseds	<boolean>	<drive>	*Plain*
full name of <local user>	full names	<string>	<local user>	*Plain*
full wmi <string>	full wmis	<wmi>	<world>	*NamedGlobal*
gateway address <integer> of <selected server>	gateway addresses	<ipv4 address>	<selected server>	*Numbered*
gateway address of <selected server>	gateway addresses	<ipv4 address>	<selected server>	*Plain*
gateway list of <network adapter>	gateway lists	<network address list>	<network adapter>	*Plain*
gateway of <network adapter>	gateways	<ipv4 address>	<network adapter>	*Plain*
gather schedule authority of <site>	gather schedule authoritys	<string>	<site>	*Plain*
gather schedule time interval of <site>	gather schedule time intervals	<time interval>	<site>	*Plain*
gather url of <license>	gather urls	<string>	<license>	*Plain*
generic all permission of <access control entry>	generic all permissions	<boolean>	<access control entry>	*Plain*
generic execute permission of <access control entry>	generic execute permissions	<boolean>	<access control entry>	*Plain*
generic read permission of <access control entry>	generic read permissions	<boolean>	<access control entry>	*Plain*
generic write permission of <access control entry>	generic write permissions	<boolean>	<access control entry>	*Plain*
ghz	ghzs	<hertz>	<world>	*PlainGlobal*
globally open port of <firewall profile>	globally open ports	<firewall open port>	<firewall profile>	*Plain*
globally open port of <firewall service>	globally open ports	<firewall open port>	<firewall service>	*Plain*
gp override firewall local policy modify state	gp override firewall local policy modify states	<firewall local policy modify state>	<world>	*PlainGlobal*
greatest hz	greatest hzs	<hertz>	<world>	*PlainGlobal*
greatest integer	greatest integers	<integer>	<world>	*PlainGlobal*

Key Phrase	Plural	Creates a	From a	*Form*
greatest time interval	greatest time intervals	<time interval>	<world>	*PlainGlobal*
group <integer> of <site>	groups	<site group>	<site>	*Numbered*
group leader of <action>	group leaders	<boolean>	<action>	*Plain*
group of <security descriptor>	groups	<security identifier>	<security descriptor>	*Plain*
grouping of <firewall rule>	groupings	<string>	<firewall rule>	*Plain*
guest privilege of <local user>	guest privileges	<boolean>	<local user>	*Plain*
guid of <connection>	guids	<string>	<connection>	*Plain*
hardware id of <active device>	hardware ids	<string>	<active device>	*Plain*
has blank sa password of <local mssql database>	has blank sa passwords	<boolean>	<local mssql database>	*Plain*
header <string> of <fixlet>	headers	<fixlet_header>	<fixlet>	*Named*
header of <fixlet>	headers	<fixlet_header>	<fixlet>	*Plain*
hexadecet <integer> of <ipv6 address>	hexadecets	<integer>	<ipv6 address>	*Numbered*
hexadecimal integer <string>	hexadecimal integers	<integer>	<world>	*NamedGlobal*
hexadecimal string <string>	hexadecimal strings	<string>	<world>	*NamedGlobal*
hidden of <filesystem object>	hiddens	<boolean>	<filesystem object>	*Plain*
home directory drive of <local user>	home directory drives	<string>	<local user>	*Plain*
home directory of <local user>	home directories	<string>	<local user>	*Plain*
home directory required flag of <local user>	home directory required flags	<boolean>	<local user>	*Plain*
host name of <root server>	host names	<string>	<root server>	*Plain*
hostname	hostnames	<string>	<world>	*PlainGlobal*
hour	hours	<time interval>	<world>	*PlainGlobal*
hour_of_day of <time of day with time zone>	hours_of_day	<integer>	<time of day with time zone>	*Plain*
hour_of_day of <time of day>	hours_of_day	<integer>	<time of day>	*Plain*
hyperthreading capable	hyperthreading capables	<boolean>	<world>	*PlainGlobal*
hyperthreading enabled	hyperthreading enableds	<boolean>	<world>	*PlainGlobal*
hz	hzs	<hertz>	<world>	*PlainGlobal*
ia64 of <operating system>	ia64s	<boolean>	<operating system>	*Plain*

Key Phrase	Plural	Creates a	From a	*Form*
icmp settings of <firewall profile>	icmp settingses	<firewall icmp settings>	<firewall profile>	*Plain*
icmp types_and_codes string of <firewall rule>	icmp types_and_codes strings	<string>	<firewall rule>	*Plain*
icon index of <file shortcut>	icon indexes	<integer>	<file shortcut>	*Plain*
icon pathname of <file shortcut>	icon pathnames	<string>	<file shortcut>	*Plain*
id of <action>	ids	<integer>	<action>	*Plain*
id of <file version block>	ids	<string>	<file version block>	*Plain*
id of <fixlet>	ids	<integer>	<fixlet>	*Plain*
id of <root server>	ids	<integer>	<root server>	*Plain*
id of <site group>	ids	<integer>	<site group>	*Plain*
identifier of <metabase value>	identifiers	<metabase identifier>	<metabase value>	*Plain*
image path of <service>	image paths	<string>	<service>	*Plain*
inbound blocked firewall local policy modify state	inbound blocked firewall local policy modify states	<firewall local policy modify state>	<world>	*PlainGlobal*
inbound connections allowed of <firewall profile>	inbound connections alloweds	<boolean>	<firewall profile>	*Plain*
inbound of <firewall rule>	inbounds	<boolean>	<firewall rule>	*Plain*
index type of <property>	index types	<type>	<property>	*Plain*
inexact of <floating point>	inexacts	<boolean>	<floating point>	*Plain*
infinite of <floating point>	infinites	<boolean>	<floating point>	*Plain*
information event log event type	information event log event types	<event log event type>	<world>	*PlainGlobal*
inherit attribute of <metabase value>	inherit attributes	<boolean>	<metabase value>	*Plain*
inheritance of <access control entry>	inheritances	<integer>	<access control entry>	*Plain*
initial part <time interval> of <time range>	initial parts	<time range>	<time range>	*Indexed*
insert path attribute of <metabase value>	insert path attributes	<boolean>	<metabase value>	*Plain*
install folder <integer>	install folders	<folder>	<world>	*NumberedGlobal*

Key Phrase	Plural	Creates a	From a	*Form*
instance name of <local mssql database>	instance names	<string>	<local mssql database>	*Plain*
integer <integer>	integers	<integer>	<world>	*NumberedGlobal*
integer <string>	integers	<integer>	<world>	*NamedGlobal*
integer ceiling of <floating point>	integer ceilings	<integer>	<floating point>	*Plain*
integer floor of <floating point>	integer floors	<integer>	<floating point>	*Plain*
integer value <integer> of <wmi select>	integer values	<integer>	<wmi select>	*Numbered*
integer value of <wmi select>	integer values	<integer>	<wmi select>	*Plain*
interdomain trust account flag of <local user>	interdomain trust account flags	<boolean>	<local user>	*Plain*
interface <integer> of <network>	interfaces	<network interface>	<network>	*Numbered*
interface of <firewall rule>	interfaces	<string>	<firewall rule>	*Plain*
interface of <network>	interfaces	<network interface>	<network>	*Plain*
interface types string of <firewall rule>	interface types strings	<string>	<firewall rule>	*Plain*
internal port of <port mapping>	internal ports	<integer>	<port mapping>	*Plain*
internet connection firewall of <network adapter>	internet connection firewalls	<internet connection firewall>	<network adapter>	*Plain*
internet protocol <integer>	internet protocols	<internet protocol>	<world>	*NumberedGlobal*
intersection of <integer set>	intersections	<integer set>	<integer set>	*Plain*
intersection of <string set>	intersections	<string set>	<string set>	*Plain*
invalid of <floating point>	invalids	<boolean>	<floating point>	*Plain*
ip address of <selected server>	ip addresses	<ipv4 address>	<selected server>	*Plain*
ip interface <integer> of <network>	ip interfaces	<network ip interface>	<network>	*Numbered*
ip interface of <network>	ip interfaces	<network ip interface>	<network>	*Plain*
ip version <integer>	ip versions	<ip version>	<world>	*NumberedGlobal*

Key Phrase	Plural	Creates a	From a	*Form*
ip version of <firewall authorized application>	ip versions	<ip version>	<firewall authorized application>	*Plain*
ip version of <firewall open port>	ip versions	<ip version>	<firewall open port>	*Plain*
ip version of <firewall service>	ip versions	<ip version>	<firewall service>	*Plain*
ipv4	ipv4s	<ip version>	<world>	*PlainGlobal*
ipv4 address <string>	ipv4 addresses	<ipv4 address>	<world>	*NamedGlobal*
ipv4 part of <ipv6 address>	ipv4 parts	<ipv4 address>	<ipv6 address>	*Plain*
ipv6	ipv6s	<ip version>	<world>	*PlainGlobal*
ipv6 address <string>	ipv6 addresses	<ipv6 address>	<world>	*NamedGlobal*
ipv6 address of <network adapter>	ipv6 addresses	<ipv6 address>	<network adapter>	*Plain*
ipv6 dns server of <network adapter>	ipv6 dns servers	<ipv6 address>	<network adapter>	*Plain*
january	januarys	<month>	<world>	*PlainGlobal*
january <integer>	januarys	<day of year>	<world>	*NumberedGlobal*
january <integer> of <integer>	januarys	<date>	<integer>	*Numbered*
january of <integer>	januarys	<month and year>	<integer>	*Plain*
july	julys	<month>	<world>	*PlainGlobal*
july <integer>	julys	<day of year>	<world>	*NumberedGlobal*
july <integer> of <integer>	julys	<date>	<integer>	*Numbered*
july of <integer>	julys	<month and year>	<integer>	*Plain*
june	junes	<month>	<world>	*PlainGlobal*
june <integer>	junes	<day of year>	<world>	*NumberedGlobal*
june <integer> of <integer>	junes	<date>	<integer>	*Numbered*
june of <integer>	junes	<month and year>	<integer>	*Plain*
key <string> of <file section>	keys	<string>	<file section>	*Named*
key <string> of <file>	keys	<string>	<file>	*Named*
key <string> of <metabase key>	keys	<metabase key>	<metabase key>	*Named*
key <string> of <metabase>	keys	<metabase key>	<metabase>	*Named*

Key Phrase	Plural	Creates a	From a	*Form*
key <string> of <registry key>	keys	<registry key>	<registry key>	*Named*
key <string> of <registry>	keys	<registry key>	<registry>	*Named*
key of <metabase key>	keys	<metabase key>	<metabase key>	*Plain*
key of <metabase>	keys	<metabase key>	<metabase>	*Plain*
key of <registry key>	keys	<registry key>	<registry key>	*Plain*
khz	khzs	<hertz>	<world>	*PlainGlobal*
language of <file version block>	languages	<string>	<file version block>	*Plain*
last <integer> of <string>	lasts	<substring>	<string>	*Numbered*
last <string> of <string>	lasts	<substring>	<string>	*Named*
last change time of <action>	last change times	<time>	<action>	*Plain*
last child of <xml dom node>	last children	<xml dom node>	<xml dom node>	*Plain*
last gather time of <site>	last gather times	<time>	<site>	*Plain*
last logoff of <local user>	last logoffs	<time>	<local user>	*Plain*
last logon of <local user>	last logons	<time>	<local user>	*Plain*
last start time of <application usage summary>	last start times	<time>	<application usage summary>	*Plain*
last time seen of <application usage summary>	last times seen	<time>	<application usage summary>	*Plain*
leap of <year>	leaps	<boolean>	<year>	*Plain*
lease expires of <network adapter>	leases expire	<time>	<network adapter>	*Plain*
lease obtained of <network adapter>	leases obtained	<time>	<network adapter>	*Plain*
least hz	least hzs	<hertz>	<world>	*PlainGlobal*
least integer	least integers	<integer>	<world>	*PlainGlobal*
least significant one bit of <bit set>	least significant one bits	<integer>	<bit set>	*Plain*
least time interval	least time intervals	<time interval>	<world>	*PlainGlobal*
left operand type of <binary operator>	left operand types	<type>	<binary operator>	*Plain*
left shift <integer> of <bit set>	left shifts	<bit set>	<bit set>	*Numbered*

Key Phrase	Plural	Creates a	From a	*Form*
length of <event log record>	lengths	<integer>	<event log record>	*Plain*
length of <month and year>	lengths	<time interval>	<month and year>	*Plain*
length of <rope>	lengths	<integer>	<rope>	*Plain*
length of <string>	lengths	<integer>	<string>	*Plain*
length of <time range>	lengths	<time interval>	<time range>	*Plain*
length of <year>	lengths	<time interval>	<year>	*Plain*
less significance <integer> of <floating point>	less significances	<floating point>	<floating point>	*Numbered*
line <integer> of <file>	lines	<file line>	<file>	*Numbered*
line containing <string> of <file>	lines containing	<file line>	<file>	*Named*
line number of <file line>	line numbers	<integer>	<file line>	*Plain*
line of <file>	lines	<file line>	<file>	*Plain*
line starting with <string> of <file>	lines starting with	<file line>	<file>	*Named*
link speed of <network adapter>	link speeds	<integer>	<network adapter>	*Plain*
list permission of <access control entry>	list permissions	<boolean>	<access control entry>	*Plain*
local addresses string of <firewall rule>	local addresses strings	<string>	<firewall rule>	*Plain*
local administrator	local administrators	<boolean>	<world>	*PlainGlobal*
local computer of <active directory server>	local computers	<active directory local computer>	<active directory server>	*Plain*
local group	local groups	<local group>	<world>	*PlainGlobal*
local group <string>	local groups	<local group>	<world>	*NamedGlobal*
local mssql database	local mssql databases	<local mssql database>	<world>	*PlainGlobal*
local mssql database <string>	local mssql databases	<local mssql database>	<world>	*NamedGlobal*
local policy modify state of <firewall>	local policy modify states	<firewall local policy modify state>	<firewall>	*Plain*
local policy of <firewall>	local policies	<firewall policy>	<firewall>	*Plain*

Key Phrase	Plural	Creates a	From a	*Form*
local ports string of <firewall rule>	local ports strings	<string>	<firewall rule>	*Plain*
local subnet firewall scope	local subnet firewall scopes	<firewall scope>	<world>	*PlainGlobal*
local time <string>	local times	<time>	<world>	*NamedGlobal*
local time zone	local time zones	<time zone>	<world>	*PlainGlobal*
local user	local users	<local user>	<world>	*PlainGlobal*
local user <string>	local users	<local user>	<world>	*NamedGlobal*
location information of <active device>	location informations	<string>	<active device>	*Plain*
location of <filesystem object>	locations	<string>	<filesystem object>	*Plain*
lock string of <action lock state>	lock strings	<string>	<action lock state>	*Plain*
locked of <action lock state>	lockeds	<boolean>	<action lock state>	*Plain*
locked out flag of <local user>	locked out flags	<boolean>	<local user>	*Plain*
logged on user	logged on users	<logged on user>	<world>	*PlainGlobal*
logical processor count	logical processor counts	<integer>	<world>	*PlainGlobal*
login account of <service>	login accounts	<string>	<service>	*Plain*
login mode of <local mssql database>	login modes	<integer>	<local mssql database>	*Plain*
logon count of <local user>	logon counts	<integer>	<local user>	*Plain*
logon script of <local user>	logon scripts	<string>	<local user>	*Plain*
logon server of <local user>	logon servers	<string>	<local user>	*Plain*
loopback of <network ip interface>	loopbacks	<boolean>	<network ip interface>	*Plain*
lower bound of <integer range>	lower bounds	<integer>	<integer range>	*Plain*
mac address of <network adapter>	mac addresses	<string>	<network adapter>	*Plain*
main gather service	main gather services	<service>	<world>	*PlainGlobal*
main processor	main processors	<processor>	<world>	*PlainGlobal*
major version of <operating system>	major versions	<integer>	<operating system>	*Plain*
manufacturer of <active device>	manufacturers	<string>	<active device>	*Plain*
march	marchs	<month>	<world>	*PlainGlobal*

Key Phrase	Plural	Creates a	From a	*Form*
march <integer>	marchs	<day of year>	<world>	*NumberedGlobal*
march <integer> of <integer>	marchs	<date>	<integer>	*Numbered*
march of <integer>	marchs	<month and year>	<integer>	*Plain*
masthead of <site>	mastheads	<file>	<site>	*Plain*
match <regular expression> of <string>	matches	<regular expression match>	<string>	*Indexed*
maximum allowed permission of <access control entry>	maximum allowed permissions	<boolean>	<access control entry>	*Plain*
maximum of <integer>	maxima	<integer>	<integer>	*Plain*
maximum of <time interval>	maxima	<time interval>	<time interval>	*Plain*
maximum of <time>	maxima	<time>	<time>	*Plain*
maximum seat count of <license>	maximum seat counts	<integer>	<license>	*Plain*
maximum storage of <local user>	maximum storages	<integer>	<local user>	*Plain*
maximum transmission unit of <network adapter>	maximum transmission units	<integer>	<network adapter>	*Plain*
may	mays	<month>	<world>	*PlainGlobal*
may <integer>	mays	<day of year>	<world>	*NumberedGlobal*
may <integer> of <integer>	mays	<date>	<integer>	*Numbered*
may of <integer>	mays	<month and year>	<integer>	*Plain*
mean of <floating point>	means	<floating point>	<floating point>	*Plain*
mean of <integer>	means	<floating point>	<integer>	*Plain*
media type <integer>	media types	<media type>	<world>	*NumberedGlobal*
media type bridge	media types bridge	<media type>	<world>	*PlainGlobal*
media type direct	media types direct	<media type>	<world>	*PlainGlobal*
media type isdn	media types isdn	<media type>	<world>	*PlainGlobal*
media type lan	media types lans	<media type>	<world>	*PlainGlobal*
media type of <connection>	media types	<media type>	<connection>	*Plain*
media type phone	media types phone	<media type>	<world>	*PlainGlobal*
media type pppoe	media types pppoe	<media type>	<world>	*PlainGlobal*
media type shared access host lan	media types shared access host lan	<media type>	<world>	*PlainGlobal*

Key Phrase	Plural	Creates a	From a	*Form*
media type shared access host ras	media types shared access host ras	<media type>	<world>	*PlainGlobal*
media type tunnel	media types tunnel	<media type>	<world>	*PlainGlobal*
member of <local group>	members	<local group member>	<local group>	*Plain*
member of <site group>	members	<boolean>	<site group>	*Plain*
metabase	metabases	<metabase>	<world>	*PlainGlobal*
metric <integer> of <operating system>	metrics	<integer>	<operating system>	*Numbered*
mhz	mhzs	<hertz>	<world>	*PlainGlobal*
microsecond	microseconds	<time interval>	<world>	*PlainGlobal*
midnight	midnights	<time of day>	<world>	*PlainGlobal*
millisecond	milliseconds	<time interval>	<world>	*PlainGlobal*
minimum of <integer>	minima	<integer>	<integer>	*Plain*
minimum of <time interval>	minima	<time interval>	<time interval>	*Plain*
minimum of <time>	minima	<time>	<time>	*Plain*
minor version of <operating system>	minor versions	<integer>	<operating system>	*Plain*
minute	minutes	<time interval>	<world>	*PlainGlobal*
minute_of_hour of <time of day with time zone>	minutes_of_hour	<integer>	<time of day with time zone>	*Plain*
minute_of_hour of <time of day>	minutes_of_hour	<integer>	<time of day>	*Plain*
model of <processor>	models	<integer>	<processor>	*Plain*
modification time of <filesystem object>	modification times	<time>	<filesystem object>	*Plain*
module <string>	modules	<module>	<world>	*NamedGlobal*
monday	mondays	<day of week>	<world>	*PlainGlobal*
month	months	<number of months>	<world>	*PlainGlobal*
month <integer>	months	<month>	<world>	*NumberedGlobal*
month <string>	months	<month>	<world>	*NamedGlobal*
month of <date>	months	<month>	<date>	*Plain*
month of <day of year>	months	<month>	<day of year>	*Plain*
month of <month and year>	months	<month>	<month and year>	*Plain*

Key Phrase	Plural	Creates a	From a	*Form*
month_and_year of <date>	months_and_years	<month and year>	<date>	*Plain*
more significance <integer> of <floating point>	more significances	<floating point>	<floating point>	*Numbered*
most significant one bit of <bit set>	most significant one bits	<integer>	<bit set>	*Plain*
multicast support of <network ip interface>	multicast supports	<boolean>	<network ip interface>	*Plain*
multiplicity of <integer with multiplicity>	multiplicities	<integer>	<integer with multiplicity>	*Plain*
multiplicity of <string with multiplicity>	multiplicities	<integer>	<string with multiplicity>	*Plain*
multivalued of <property>	multivalueds	<boolean>	<property>	*Plain*
name of <application usage summary>	names	<string>	<application usage summary>	*Plain*
name of <binary operator>	names	<string>	<binary operator>	*Plain*
name of <cast>	names	<string>	<cast>	*Plain*
name of <connection>	names	<string>	<connection>	*Plain*
name of <current user>	names	<string>	<current user>	*Plain*
name of <drive>	names	<string>	<drive>	*Plain*
name of <environment variable>	names	<string>	<environment variable>	*Plain*
name of <filesystem object>	names	<string>	<filesystem object>	*Plain*
name of <firewall authorized application>	names	<string>	<firewall authorized application>	*Plain*
name of <firewall open port>	names	<string>	<firewall open port>	*Plain*
name of <firewall rule>	names	<string>	<firewall rule>	*Plain*
name of <firewall service>	names	<string>	<firewall service>	*Plain*
name of <fixlet_header>	names	<string>	<fixlet_header>	*Plain*
name of <local group>	names	<string>	<local group>	*Plain*
name of <local user>	names	<string>	<local user>	*Plain*
name of <logged on user>	names	<string>	<logged on user>	*Plain*

Key Phrase	Plural	Creates a	From a	*Form*
name of <metabase key>	names	<string>	<metabase key>	*Plain*
name of <network adapter>	names	<string>	<network adapter>	*Plain*
name of <network share>	names	<string>	<network share>	*Plain*
name of <operating system>	names	<string>	<operating system>	*Plain*
name of <port mapping>	names	<string>	<port mapping>	*Plain*
name of <registry key value>	names	<string>	<registry key value>	*Plain*
name of <registry key>	names	<string>	<registry key>	*Plain*
name of <selected server>	names	<string>	<selected server>	*Plain*
name of <setting>	names	<string>	<setting>	*Plain*
name of <site>	names	<string>	<site>	*Plain*
name of <type>	names	<string>	<type>	*Plain*
name of <unary operator>	names	<string>	<unary operator>	*Plain*
name of <wmi select>	names	<string>	<wmi select>	*Plain*
nan of <floating point>	nans	<boolean>	<floating point>	*Plain*
native registry	native registries	<registry>	<world>	*PlainGlobal*
network	networks	<network>	<world>	*PlainGlobal*
network share	network shares	<network share>	<world>	*PlainGlobal*
network share <string>	network shares	<network share>	<world>	*NamedGlobal*
next line of <file line>	next lines	<file line>	<file line>	*Plain*
next sibling of <xml dom node>	next siblings	<xml dom node>	<xml dom node>	*Plain*
no password required flag of <local user>	no password required flags	<boolean>	<local user>	*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*

Key Phrase	Plural	Creates a	From a	*Form*
node value of <xml dom node>	node values	<string>	<xml dom node>	*Plain*
none firewall service type	none firewall service types	<firewall service type>	<world>	*PlainGlobal*
noon	noons	<time of day>	<world>	*PlainGlobal*
normal account flag of <local user>	normal account flags	<boolean>	<local user>	*Plain*
normal of <filesystem object>	normals	<boolean>	<filesystem object>	*Plain*
normal of <floating point>	normals	<boolean>	<floating point>	*Plain*
notifications disabled of <firewall profile>	notifications disableds	<boolean>	<firewall profile>	*Plain*
november	novembers	<month>	<world>	*PlainGlobal*
november <integer>	novembers	<day of year>	<world>	*NumberedGlobal*
november <integer> of <integer>	novembers	<date>	<integer>	*Numbered*
november of <integer>	novembers	<month and year>	<integer>	*Plain*
now	nows	<time>	<world>	*PlainGlobal*
nt domain controller product type	nt domain controller product types	<operating system product type>	<world>	*PlainGlobal*
nt server product type	nt server product types	<operating system product type>	<world>	*PlainGlobal*
nt workstation product type	nt workstation product types	<operating system product type>	<world>	*PlainGlobal*
numeric type of <drive>	numeric types	<integer>	<drive>	*Plain*
numeric value of <string>	numeric values	<integer>	<string>	*Plain*
october	octobers	<month>	<world>	*PlainGlobal*
october <integer>	octobers	<day of year>	<world>	*NumberedGlobal*
october <integer> of <integer>	octobers	<date>	<integer>	*Numbered*
october of <integer>	octobers	<month and year>	<integer>	*Plain*
oem code page	oem code pages	<integer>	<world>	*PlainGlobal*
offer accepted of <action>	offer accepteds	<boolean>	<action>	*Plain*
offer of <action>	offers	<boolean>	<action>	*Plain*

Key Phrase	Plural	Creates a	From a	*Form*
offline of <filesystem object>	offlines	<boolean>	<filesystem object>	*Plain*
ok firewall local policy modify state	ok firewall local policy modify states	<firewall local policy modify state>	<world>	*PlainGlobal*
oldest record number of <event log>	oldest record numbers	<integer>	<event log>	*Plain*
one bit of <bit set>	one bits	<integer>	<bit set>	*Plain*
only raw version block of <file>	only raw version blocks	<file version block>	<file>	*Plain*
only version block of <file>	only version blocks	<file version block>	<file>	*Plain*
operand type of <cast>	operand types	<type>	<cast>	*Plain*
operand type of <unary operator>	operand types	<type>	<unary operator>	*Plain*
operating system	operating systems	<operating system>	<world>	*PlainGlobal*
operating system product type <integer>	operating system product types	<operating system product type>	<world>	*NumberedGlobal*
options of <port mapping>	optionss	<integer>	<port mapping>	*Plain*
organization of <license>	organizations	<string>	<license>	*Plain*
origin fixlet id of <action>	origin fixlet ids	<integer>	<action>	*Plain*
outbound connections allowed of <firewall profile>	outbound connections alloweds	<boolean>	<firewall profile>	*Plain*
outbound of <firewall rule>	outbounds	<boolean>	<firewall rule>	*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 of <security descriptor>	owners	<security identifier>	<security descriptor>	*Plain*
pad of <version>	pads	<version>	<version>	*Plain*
parameter <string>	parameters	<string>	<world>	*NamedGlobal*
parameter <string> of <action>	parameters	<string>	<action>	*Named*
parent folder of <filesystem object>	parent folders	<folder>	<filesystem object>	*Plain*

Key Phrase	Plural	Creates a	From a	*Form*
parent node of <xml dom node>	parent nodes	<xml dom node>	<xml dom node>	*Plain*
parent of <type>	parents	<type>	<type>	*Plain*
parenthesized part <integer> of <regular expression match>	parenthesized parts	<substring>	<regular expression match>	*Numbered*
parenthesized part of <regular expression match>	parenthesized parts	<substring>	<regular expression match>	*Plain*
password age of <local user>	password ages	<time interval>	<local user>	*Plain*
password change disabled flag of <local user>	password change disabled flags	<boolean>	<local user>	*Plain*
password expiration disabled flag of <local user>	password expiration disabled flags	<boolean>	<local user>	*Plain*
password expired of <local user>	passwords expired	<boolean>	<local user>	*Plain*
password of <network share>	passwords	<string>	<network share>	*Plain*
path of <network share>	paths	<string>	<network share>	*Plain*
pathname of <file shortcut>	pathnames	<string>	<file shortcut>	*Plain*
pathname of <filesystem object>	pathnames	<string>	<filesystem object>	*Plain*
pending login	pending logins	<boolean>	<world>	*PlainGlobal*
pending login of <action>	pending logins	<boolean>	<action>	*Plain*
pending of <action>	pendings	<boolean>	<action>	*Plain*
pending restart	pending restarts	<boolean>	<world>	*PlainGlobal*
pending restart <string>	pending restarts	<boolean>	<world>	*NamedGlobal*
pending restart of <action>	pending restarts	<boolean>	<action>	*Plain*
pending time of <action>	pending times	<time>	<action>	*Plain*
performance counter frequency of <operating system>	performance counter frequencies	<hertz>	<operating system>	*Plain*
performance counter of <operating system>	performance counters	<integer>	<operating system>	*Plain*
permission permission of <network share>	permission permissions	<boolean>	<network share>	*Plain*
personal bit <operating system suite mask>	personal bits	<boolean>	<world>	*IndexedGlobal*
physical processor count	physical processor counts	<integer>	<world>	*PlainGlobal*

Key Phrase	Plural	Creates a	From a	*Form*
platform id of <operating system>	platform ids	<integer>	<operating system>	*Plain*
plural name of <property>	plural names	<string>	<property>	*Plain*
point to point of <network ip interface>	point to points	<boolean>	<network ip interface>	*Plain*
port mapping of <internet connection firewall>	port mappings	<port mapping>	<internet connection firewall>	*Plain*
port number of <selected server>	port numbers	<integer>	<selected server>	*Plain*
port of <firewall open port>	ports	<integer>	<firewall open port>	*Plain*
position <integer> of <string>	positions	<string position>	<string>	*Numbered*
position of <string>	positions	<string position>	<string>	*Plain*
preceding text of <string position>	preceding texts	<substring>	<string position>	*Plain*
preceding text of <substring>	preceding texts	<substring>	<substring>	*Plain*
previous line of <file line>	previous lines	<file line>	<file line>	*Plain*
previous sibling of <xml dom node>	previous siblings	<xml dom node>	<xml dom node>	*Plain*
primary group id of <local user>	primary group ids	<integer>	<local user>	*Plain*
primary language of <language>	primary languages	<primary language>	<language>	*Plain*
primary wins server of <network adapter>	primary wins servers	<ipv4 address>	<network adapter>	*Plain*
print operator flag of <local user>	print operator flags	<boolean>	<local user>	*Plain*
priority of <selected server>	priorities	<integer>	<selected server>	*Plain*
private firewall profile type	private firewall profile types	<firewall profile type>	<world>	*PlainGlobal*
private profile of <firewall policy>	private profiles	<firewall profile>	<firewall policy>	*Plain*
problem id of <active device>	problem ids	<integer>	<active device>	*Plain*
process image file name of <firewall authorized application>	process image file names	<string>	<firewall authorized application>	*Plain*
processor	processors	<processor>	<world>	*PlainGlobal*

Key Phrase	Plural	Creates a	From a	*Form*
processor <integer>	processors	<processor>	<world>	*NumberedGlobal*
product of <integer>	products	<integer>	<integer>	*Plain*
product type of <operating system>	product types	<operating system product type>	<operating system>	*Plain*
product version of <file>	product versions	<version>	<file>	*Plain*
profile <firewall profile type> of <firewall rule>	profiles	<boolean>	<firewall rule>	*Indexed*
profile folder of <local user>	profile folders	<string>	<local user>	*Plain*
property <string>	properties	<property>	<world>	*NamedGlobal*
property <string> of <type>	properties	<property>	<type>	*Named*
property <string> of <wmi object>	properties	<wmi select>	<wmi object>	*Named*
property of <type>	properties	<property>	<type>	*Plain*
property of <wmi object>	properties	<wmi select>	<wmi object>	*Plain*
property returning <type>	properties returning	<property>	<world>	*IndexedGlobal*
property returning <type> of <type>	properties returning	<property>	<type>	*Indexed*
protocol of <firewall open port>	protocols	<internet protocol>	<firewall open port>	*Plain*
protocol of <firewall rule>	protocols	<internet protocol>	<firewall rule>	*Plain*
protocol of <port mapping>	protocols	<string>	<port mapping>	*Plain*
public firewall profile type	public firewall profile types	<firewall profile type>	<world>	*PlainGlobal*
public profile of <firewall policy>	public profiles	<firewall profile>	<firewall policy>	*Plain*
query value permission of <access control entry>	query value permissions	<boolean>	<access control entry>	*Plain*
ram	rams	<ram>	<world>	*PlainGlobal*
random access memory	random access memories	<ram>	<world>	*PlainGlobal*
range after <time> of <time range>	ranges after	<time range>	<time range>	*Indexed*
range before <time> of <time range>	ranges before	<time range>	<time range>	*Indexed*
raw file version of <file>	raw file versions	<version>	<file>	*Plain*
raw product version of <file>	raw product versions	<version>	<file>	*Plain*

Key Phrase	Plural	Creates a	From a	*Form*
raw version block <integer> of <file>	raw version blocks	<file version block>	<file>	*Numbered*
raw version block <string> of <file>	raw version blocks	<file version block>	<file>	*Named*
raw version block of <file>	raw version blocks	<file version block>	<file>	*Plain*
raw version of <file>	raw versions	<version>	<file>	*Plain*
read attributes permission of <access control entry>	read attributes permissions	<boolean>	<access control entry>	*Plain*
read control permission of <access control entry>	read control permissions	<boolean>	<access control entry>	*Plain*
read extended attributes permission of <access control entry>	read extended attributes permissions	<boolean>	<access control entry>	*Plain*
read permission of <access control entry>	read permissions	<boolean>	<access control entry>	*Plain*
read permission of <network share>	read permissions	<boolean>	<network share>	*Plain*
readonly of <filesystem object>	readonlys	<boolean>	<filesystem object>	*Plain*
recent application	recent applications	<application>	<world>	*PlainGlobal*
recent application <string>	recent applications	<application>	<world>	*NamedGlobal*
record <integer> of <event log>	records	<event log record>	<event log>	*Numbered*
record count of <event log>	record counts	<integer>	<event log>	*Plain*
record number of <event log record>	record numbers	<integer>	<event log record>	*Plain*
record of <event log>	records	<event log record>	<event log>	*Plain*
reference attribute of <metabase value>	reference attributes	<boolean>	<metabase value>	*Plain*
regapp	regapps	<application>	<world>	*PlainGlobal*
regapp <string>	regapps	<application>	<world>	*NamedGlobal*
regex <string>	regexes	<regular expression>	<world>	*NamedGlobal*
registrar number of <license>	registrar numbers	<integer>	<license>	*Plain*
registry	registries	<registry>	<world>	*PlainGlobal*
regular expression <string>	regular expressions	<regular expression>	<world>	*NamedGlobal*

Key Phrase	Plural	Creates a	From a	*Form*
relative significance place <integer> of <floating point>	relative significance places	<floating point>	<floating point>	*Numbered*
relative significance place of <floating point>	relative significance places	<floating point>	<floating point>	*Plain*
relay service	relay services	<service>	<world>	*PlainGlobal*
release of <operating system>	releases	<string>	<operating system>	*Plain*
relevance of <fixlet>	relevances	<boolean>	<fixlet>	*Plain*
relevant fixlet of <site>	relevant fixlets	<fixlet>	<site>	*Plain*
remote addresses of <firewall authorized application>	remote addresseses	<string>	<firewall authorized application>	*Plain*
remote addresses of <firewall open port>	remote addresseses	<string>	<firewall open port>	*Plain*
remote addresses of <firewall service>	remote addresseses	<string>	<firewall service>	*Plain*
remote addresses string of <firewall rule>	remote addresses strings	<string>	<firewall rule>	*Plain*
remote admin settings of <firewall profile>	remote admin settingses	<firewall remote admin settings>	<firewall profile>	*Plain*
remote desktop firewall service type	remote desktop firewall service types	<firewall service type>	<world>	*PlainGlobal*
remote of <logged on user>	remotes	<boolean>	<logged on user>	*Plain*
remote ports string of <firewall rule>	remote ports strings	<string>	<firewall rule>	*Plain*
result type of <binary operator>	result types	<type>	<binary operator>	*Plain*
result type of <property>	result types	<type>	<property>	*Plain*
result type of <unary operator>	result types	<type>	<unary operator>	*Plain*
right operand type of <binary operator>	right operand types	<type>	<binary operator>	*Plain*
right shift <integer> of <bit set>	right shifts	<bit set>	<bit set>	*Numbered*
root folder of <drive>	root folders	<folder>	<drive>	*Plain*
root server	root servers	<root server>	<world>	*PlainGlobal*
rope <string>	ropes	<rope>	<world>	*NamedGlobal*
rsop computer wmi	rsop computer wmis	<wmi>	<world>	*PlainGlobal*

Key Phrase	Plural	Creates a	From a	*Form*
rsop user wmi <security identifier>	rsop user wmis	<wmi>	<world>	*IndexedGlobal*
rule group currently enabled <string> of <firewall>	rule group currently enableds	<boolean>	<firewall>	*Named*
rule group enabled <string> of <firewall profile>	rule group enableds	<boolean>	<firewall profile>	*Named*
rule of <firewall service restriction>	rules	<firewall rule>	<firewall service restriction>	*Plain*
rule of <firewall>	rules	<firewall rule>	<firewall>	*Plain*
running application	running applications	<application>	<world>	*PlainGlobal*
running application <string>	running applications	<application>	<world>	*NamedGlobal*
running of <application usage summary>	runnings	<boolean>	<application usage summary>	*Plain*
running of <local mssql database>	runnings	<boolean>	<local mssql database>	*Plain*
running service	running services	<service>	<world>	*PlainGlobal*
running service <string>	running services	<service>	<world>	*NamedGlobal*
saturday	saturdays	<day of week>	<world>	*PlainGlobal*
scope of <firewall authorized application>	scopes	<firewall scope>	<firewall authorized application>	*Plain*
scope of <firewall open port>	scopes	<firewall scope>	<firewall open port>	*Plain*
scope of <firewall service>	scopes	<firewall scope>	<firewall service>	*Plain*
script flag of <local user>	script flags	<boolean>	<local user>	*Plain*
seat count state of <license>	seat count states	<string>	<license>	*Plain*
seat of <license>	seats	<integer>	<license>	*Plain*
second	seconds	<time interval>	<world>	*PlainGlobal*
second_of_minute of <time of day with time zone>	seconds_of_minute	<integer>	<time of day with time zone>	*Plain*
second_of_minute of <time of day>	seconds_of_minute	<integer>	<time of day>	*Plain*
secondary wins server of <network adapter>	secondary wins servers	<ipv4 address>	<network adapter>	*Plain*
section <string> of <file>	sections	<file section>	<file>	*Named*

Key Phrase	Plural	Creates a	From a	*Form*
secure attribute of <metabase value>	secure attributes	<boolean>	<metabase value>	*Plain*
security descriptor of <file>	security descriptors	<security descriptor>	<file>	*Plain*
security descriptor of <folder>	security descriptors	<security descriptor>	<folder>	*Plain*
security descriptor of <network share>	security descriptors	<security descriptor>	<network share>	*Plain*
security descriptor of <registry key>	security descriptors	<security descriptor>	<registry key>	*Plain*
security event log	security event logs	<event log>	<world>	*PlainGlobal*
select <string> of <wmi>	selects	<wmi select>	<wmi>	*Named*
select <string> of <xml dom node>	selects	<xml dom node>	<xml dom node>	*Named*
select object <string> of <wmi>	select objects	<wmi object>	<wmi>	*Named*
selected server	selected servers	<selected server>	<world>	*PlainGlobal*
september	septembers	<month>	<world>	*PlainGlobal*
september <integer>	septembers	<day of year>	<world>	*NumberedGlobal*
september <integer> of <integer>	septembers	<date>	<integer>	*Numbered*
september of <integer>	septembers	<month and year>	<integer>	*Plain*
server operator flag of <local user>	server operator flags	<boolean>	<local user>	*Plain*
server trust account flag of <local user>	server trust account flags	<boolean>	<local user>	*Plain*
service	services	<service>	<world>	*PlainGlobal*
service <string>	services	<service>	<world>	*NamedGlobal*
service key value name of <active device>	service key value names	<string>	<active device>	*Plain*
service name of <firewall rule>	service names	<string>	<firewall rule>	*Plain*
service name of <service>	service names	<string>	<service>	*Plain*
service of <firewall profile>	services	<firewall service>	<firewall profile>	*Plain*
service pack major version of <operating system>	service pack major versions	<integer>	<operating system>	*Plain*
service pack minor version of <operating system>	service pack minor versions	<integer>	<operating system>	*Plain*

Key Phrase	Plural	Creates a	From a	*Form*
service restricted <(string, string)> of <firewall service restriction>	service restricteds	<boolean>	<firewall service restriction>	*Indexed*
service restriction of <firewall>	service restrictions	<firewall service restriction>	<firewall>	*Plain*
service specific exit code of <service>	service specific exit codes	<integer>	<service>	*Plain*
set of <integer>	sets	<integer set>	<integer>	*Plain*
set of <string>	sets	<string set>	<string>	*Plain*
set value permission of <access control entry>	set value permissions	<boolean>	<access control entry>	*Plain*
setting <string> of <client>	settings	<setting>	<client>	*Named*
setting <string> of <site>	settings	<setting>	<site>	*Named*
setting of <client>	settings	<setting>	<client>	*Plain*
setting of <site>	settings	<setting>	<site>	*Plain*
sha1 of <file>	sha1s	<string>	<file>	*Plain*
shortcut of <file>	shortcuts	<file shortcut>	<file>	*Plain*
sid of <local group member>	sids	<security identifier>	<local group member>	*Plain*
sid of <logged on user>	sids	<security identifier>	<logged on user>	*Plain*
significance place <integer> of <floating point>	significance places	<floating point>	<floating point>	*Numbered*
significance place of <floating point>	significance places	<floating point>	<floating point>	*Plain*
significance threshold of <floating point>	significance thresholds	<floating point>	<floating point>	*Plain*
significant digits <integer> of <hertz>	significant digitss	<hertz>	<hertz>	*Numbered*
significant digits <integer> of <integer>	significant digitss	<integer>	<integer>	*Numbered*
single user ts bit <operating system suite mask>	single user ts bits	<boolean>	<world>	*IndexedGlobal*
singular name of <property>	singular names	<string>	<property>	*Plain*
site	sites	<site>	<world>	*PlainGlobal*
site <string>	sites	<site>	<world>	*NamedGlobal*
site number of <license>	site numbers	<integer>	<license>	*Plain*

Key Phrase	Plural	Creates a	From a	*Form*
site tag of <site>	site tags	<string>	<site>	*Plain*
site version list <string>	site version lists	<site version list>	<world>	*NamedGlobal*
site version list of <site>	site version lists	<site version list>	<site>	*Plain*
size of <file>	sizes	<integer>	<file>	*Plain*
size of <integer set>	sizes	<integer>	<integer set>	*Plain*
size of <ram>	sizes	<integer>	<ram>	*Plain*
size of <registry key value>	sizes	<integer>	<registry key value>	*Plain*
size of <string set>	sizes	<integer>	<string set>	*Plain*
size of <type>	sizes	<integer>	<type>	*Plain*
small business bit <operating system suite mask>	small business bits	<boolean>	<world>	*IndexedGlobal*
small business restricted bit <operating system suite mask>	small business restricted bits	<boolean>	<world>	*IndexedGlobal*
source of <event log record>	sources	<string>	<event log record>	*Plain*
speed of <processor>	speeds	<hertz>	<processor>	*Plain*
standard deviation of <floating point>	standard deviations	<floating point>	<floating point>	*Plain*
standard deviation of <integer>	standard deviations	<floating point>	<integer>	*Plain*
standard firewall profile type	standard firewall profile types	<firewall profile type>	<world>	*PlainGlobal*
standard profile of <firewall policy>	standard profiles	<firewall profile>	<firewall policy>	*Plain*
start date of <license>	start dates	<time>	<license>	*Plain*
start in pathname of <file shortcut>	start in pathnames	<string>	<file shortcut>	*Plain*
start of <substring>	starts	<string position>	<substring>	*Plain*
start of <time range>	starts	<time>	<time range>	*Plain*
start type of <service>	start types	<string>	<service>	*Plain*
state of <service>	states	<string>	<service>	*Plain*
status of <action>	statuss	<string>	<action>	*Plain*
status of <active device>	statuss	<integer>	<active device>	*Plain*

Key Phrase	Plural	Creates a	From a	*Form*
status of <connection>	statuses	<connection status>	<connection>	*Plain*
status of <network adapter>	statuses	<integer>	<network adapter>	*Plain*
stepping of <processor>	steppings	<integer>	<processor>	*Plain*
string <string>	strings	<string>	<world>	*NamedGlobal*
string value <integer> of <wmi select>	string values	<string>	<wmi select>	*Numbered*
string value of <wmi select>	string values	<string>	<wmi select>	*Plain*
subnet address of <network adapter>	subnet addresses	<ipv4 address>	<network adapter>	*Plain*
subnet address of <network address list>	subnet addresses	<ipv4 address>	<network address list>	*Plain*
subnet address of <network ip interface>	subnet addresses	<ipv4 address>	<network ip interface>	*Plain*
subnet mask of <network adapter>	subnet masks	<ipv4 address>	<network adapter>	*Plain*
subnet mask of <network address list>	subnet masks	<ipv4 address>	<network address list>	*Plain*
subnet mask of <network ip interface>	subnet masks	<ipv4 address>	<network ip interface>	*Plain*
subscribe time of <site>	subscribe times	<time>	<site>	*Plain*
substring <string> of <string>	substrings	<substring>	<string>	*Named*
substring after <string> of <string>	substrings after	<substring>	<string>	*Named*
substring before <string> of <string>	substrings before	<substring>	<string>	*Named*
substring between <string> of <string>	substrings between	<substring>	<string>	*Named*
substring separated by <string> of <string>	substrings separated by	<substring>	<string>	*Named*
suite mask of <operating system>	suite masks	<operating system suite mask>	<operating system>	*Plain*
sum of <integer>	sums	<integer>	<integer>	*Plain*
sunday	sundays	<day of week>	<world>	*PlainGlobal*
symbol of <binary operator>	symbols	<string>	<binary operator>	*Plain*

Key Phrase	Plural	Creates a	From a	*Form*
symbol of <unary operator>	symbols	<string>	<unary operator>	*Plain*
synchronize permission of <access control entry>	synchronize permissions	<boolean>	<access control entry>	*Plain*
system event log	system event logs	<event log>	<world>	*PlainGlobal*
system file <string>	system files	<file>	<world>	*NamedGlobal*
system ini device file	system ini device files	<file>	<world>	*PlainGlobal*
system ini device file <string>	system ini device files	<file>	<world>	*NamedGlobal*
system language	system languages	<string>	<world>	*PlainGlobal*
system locale	system locales	<language>	<world>	*PlainGlobal*
system of <filesystem object>	systems	<boolean>	<filesystem object>	*Plain*
system ui language	system ui languages	<language>	<world>	*PlainGlobal*
system wow64 folder	system wow64 folders	<folder>	<world>	*PlainGlobal*
system x32 folder	system x32 folders	<folder>	<world>	*PlainGlobal*
system x64 folder	system x64 folders	<folder>	<world>	*PlainGlobal*
target ip address of <port mapping>	target ip addresses	<ipv4 address>	<port mapping>	*Plain*
target name of <port mapping>	target names	<string>	<port mapping>	*Plain*
tcp	tcps	<internet protocol>	<world>	*PlainGlobal*
temporary duplicate account flag of <local user>	temporary duplicate account flags	<boolean>	<local user>	*Plain*
temporary of <filesystem object>	temporarys	<boolean>	<filesystem object>	*Plain*
terminal bit <operating system suite mask>	terminal bits	<boolean>	<world>	*IndexedGlobal*
thursday	thursdays	<day of week>	<world>	*PlainGlobal*
time <string>	times	<time>	<world>	*NamedGlobal*
time <time zone> of <time>	times	<time of day with time zone>	<time>	*Indexed*
time generated of <event log record>	times generated	<time>	<event log record>	*Plain*
time interval <string>	time intervals	<time interval>	<world>	*NamedGlobal*

Key Phrase	Plural	Creates a	From a	*Form*
time of <time of day with time zone>	times	<time of day>	<time of day with time zone>	*Plain*
time value <integer> of <wmi select>	time values	<time>	<wmi select>	*Numbered*
time value of <wmi select>	time values	<time>	<wmi select>	*Plain*
time written of <event log record>	times written	<time>	<event log record>	*Plain*
time zone <string>	time zones	<time zone>	<world>	*NamedGlobal*
time_of_day <string>	times_of_day	<time of day>	<world>	*NamedGlobal*
total duration of <application usage summary>	total durations	<time interval>	<application usage summary>	*Plain*
total processor core count	total processor core counts	<integer>	<world>	*PlainGlobal*
total run count of <application usage summary>	total run counts	<integer>	<application usage summary>	*Plain*
total space of <drive>	total spaces	<integer>	<drive>	*Plain*
traverse permission of <access control entry>	traverse permissions	<boolean>	<access control entry>	*Plain*
true	trues	<boolean>	<world>	*PlainGlobal*
trustee of <access control entry>	trustees	<security identifier>	<access control entry>	*Plain*
trustee type of <access control entry>	trustee types	<integer>	<access control entry>	*Plain*
tuesday	tuesdays	<day of week>	<world>	*PlainGlobal*
two digit hour of <time of day with time zone>	two digit hours	<string>	<time of day with time zone>	*Plain*
two digit hour of <time of day>	two digit hours	<string>	<time of day>	*Plain*
two digit minute of <time of day with time zone>	two digit minutes	<string>	<time of day with time zone>	*Plain*
two digit minute of <time of day>	two digit minutes	<string>	<time of day>	*Plain*
two digit second of <time of day with time zone>	two digit seconds	<string>	<time of day with time zone>	*Plain*
two digit second of <time of day>	two digit seconds	<string>	<time of day>	*Plain*

Key Phrase	Plural	Creates a	From a	*Form*
type of <distinguished name component>	types	<string>	<distinguished name component>	*Plain*
type of <drive>	types	<string>	<drive>	*Plain*
type of <firewall profile>	types	<firewall profile type>	<firewall profile>	*Plain*
type of <firewall service>	types	<firewall service type>	<firewall service>	*Plain*
type of <metabase value>	types	<metabase type>	<metabase value>	*Plain*
type of <network adapter>	types	<integer>	<network adapter>	*Plain*
type of <network share>	types	<integer>	<network share>	*Plain*
type of <processor>	types	<integer>	<processor>	*Plain*
type of <registry key value>	types	<registry key value type>	<registry key value>	*Plain*
type of <site>	types	<string>	<site>	*Plain*
type of <wmi select>	types	<integer>	<wmi select>	*Plain*
udp	udps	<internet protocol>	<world>	*PlainGlobal*
unary operator <string>	unary operators	<unary operator>	<world>	*NamedGlobal*
unary operator returning <type>	unary operators returning	<unary operator>	<world>	*IndexedGlobal*
underflow of <floating point>	underflows	<boolean>	<floating point>	*Plain*
unicast responses to multicast broadcast disabled of <firewall profile>	unicast responses to multicast broadcast disableds	<boolean>	<firewall profile>	*Plain*
union of <integer set>	unions	<integer set>	<integer set>	*Plain*
union of <string set>	unions	<string set>	<string set>	*Plain*
unique value of <integer>	unique values	<integer with multiplicity>	<integer>	*Plain*
unique value of <string>	unique values	<string with multiplicity>	<string>	*Plain*
universal time <string>	universal times	<time>	<world>	*NamedGlobal*
universal time zone	universal time zones	<time zone>	<world>	*PlainGlobal*

Key Phrase	Plural	Creates a	From a	*Form*
upnp firewall service type	upnp firewall service types	<firewall service type>	<world>	*PlainGlobal*
upper bound of <integer range>	upper bounds	<integer>	<integer range>	*Plain*
uptime of <operating system>	uptimes	<time interval>	<operating system>	*Plain*
url of <site>	urls	<string>	<site>	*Plain*
use count of <network share>	use counts	<integer>	<network share>	*Plain*
use limit of <network share>	use limits	<integer>	<network share>	*Plain*
user comment of <local user>	user comments	<string>	<local user>	*Plain*
user id of <local user>	user ids	<integer>	<local user>	*Plain*
user language	user languages	<string>	<world>	*PlainGlobal*
user locale	user locales	<language>	<world>	*PlainGlobal*
user privilege of <local user>	user privileges	<boolean>	<local user>	*Plain*
user sid of <event log record>	user sids	<security identifier>	<event log record>	*Plain*
user type of <metabase value>	user types	<metabase user type>	<metabase value>	*Plain*
user ui language	user ui languages	<language>	<world>	*PlainGlobal*
usual name of <property>	usual names	<string>	<property>	*Plain*
value <string> of <file version block>	values	<string>	<file version block>	*Named*
value <string> of <registry key>	values	<registry key value>	<registry key>	*Named*
value of <distinguished name component>	values	<string>	<distinguished name component>	*Plain*
value of <environment variable>	values	<string>	<environment variable>	*Plain*
value of <fixlet_header>	values	<string>	<fixlet_header>	*Plain*
value of <metabase key>	values	<metabase value>	<metabase key>	*Plain*
value of <registry key>	values	<registry key value>	<registry key>	*Plain*
value of <setting>	values	<string>	<setting>	*Plain*
variable <string> of <environment>	variables	<environment variable>	<environment>	*Named*

Key Phrase	Plural	Creates a	From a	*Form*
variable of <environment>	variables	<environment variable>	<environment>	*Plain*
variable of <file>	variables	<string>	<file>	*Plain*
vendor name of <processor>	vendor names	<string>	<processor>	*Plain*
version <string>	versions	<version>	<world>	*NamedGlobal*
version block <integer> of <file>	version blocks	<file version block>	<file>	*Numbered*
version block <string> of <file>	version blocks	<file version block>	<file>	*Named*
version block of <file>	version blocks	<file version block>	<file>	*Plain*
version of <bios>	versions	<string>	<bios>	*Plain*
version of <current relay>	versions	<version>	<current relay>	*Plain*
version of <file>	versions	<version>	<file>	*Plain*
version of <site>	versions	<integer>	<site>	*Plain*
version string <string> of <module>	version strings	<string>	<module>	*Named*
volatile attribute of <metabase value>	volatile attributes	<boolean>	<metabase value>	*Plain*
waiting for download of <action>	waiting for downloads	<boolean>	<action>	*Plain*
wakeonlan enabled of <network adapter>	wakeonlan enableds	<boolean>	<network adapter>	*Plain*
warning event log event type	warning event log event types	<event log event type>	<world>	*PlainGlobal*
wednesday	wednesdays	<day of week>	<world>	*PlainGlobal*
week	weeks	<time interval>	<world>	*PlainGlobal*
weight of <selected server>	weights	<integer>	<selected server>	*Plain*
win32 exit code of <service>	win32 exit codes	<integer>	<service>	*Plain*
windows display time <string>	windows display times	<time>	<world>	*NamedGlobal*
windows file <string>	windows files	<file>	<world>	*NamedGlobal*
windows folder	windows folders	<folder>	<world>	*PlainGlobal*
wins enabled of <network adapter>	wins enableds	<boolean>	<network adapter>	*Plain*
winsock2 supported of <network>	winsock2 supporteds	<boolean>	<network>	*Plain*
wmi	wmis	<wmi>	<world>	*PlainGlobal*

Key Phrase	Plural	Creates a	From a	*Form*
wmi <string>	wmis	<wmi>	<world>	*NamedGlobal*
workstation trust account flag of <local user>	workstation trust account flags	<boolean>	<local user>	*Plain*
write attributes permission of <access control entry>	write attributes permissions	<boolean>	<access control entry>	*Plain*
write dac permission of <access control entry>	write dac permissions	<boolean>	<access control entry>	*Plain*
write extended attributes permission of <access control entry>	write extended attributes permissions	<boolean>	<access control entry>	*Plain*
write owner permission of <access control entry>	write owner permissions	<boolean>	<access control entry>	*Plain*
write permission of <access control entry>	write permissions	<boolean>	<access control entry>	*Plain*
write permission of <network share>	write permissions	<boolean>	<network share>	*Plain*
x32 application <string>	x32 applications	<application>	<world>	*NamedGlobal*
x32 file <string>	x32 files	<file>	<world>	*NamedGlobal*
x32 folder <string>	x32 folders	<folder>	<world>	*NamedGlobal*
x32 registry	x32 registries	<registry>	<world>	*PlainGlobal*
x64 application <string>	x64 applications	<application>	<world>	*NamedGlobal*
x64 file <string>	x64 files	<file>	<world>	*NamedGlobal*
x64 folder <string>	x64 folders	<folder>	<world>	*NamedGlobal*
x64 of <operating system>	x64s	<boolean>	<operating system>	*Plain*
x64 registry	x64 registries	<registry>	<world>	*PlainGlobal*
xml document of <file>	xml documents	<xml dom document>	<file>	*Plain*
xml document of <string>	xml documents	<xml dom document>	<string>	*Plain*
xpath <(string, string)> of <xml dom node>	xpaths	<xml dom node>	<xml dom node>	*Indexed*
xpath <string> of <xml dom node>	xpaths	<xml dom node>	<xml dom node>	*Named*
year	years	<number of months>	<world>	*PlainGlobal*
year <integer>	years	<year>	<world>	*NumberedGlobal*
year <string>	years	<year>	<world>	*NamedGlobal*

Key Phrase	Plural	Creates a	From a	*Form*
year of <date>	years	<year>	<date>	*Plain*
year of <month and year>	years	<year>	<month and year>	*Plain*
zone of <time of day with time zone>	zones	<time zone>	<time of day with time zone>	*Plain*
zoned time_of_day <string>	zoned times_of_day	<time of day with time zone>	<world>	*NamedGlobal*

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
<action lock state> as string	<string>	<action lock state>
<binary operator> as string	<string>	<binary operator>
<bios> as string	<string>	<bios>
<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>
<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>

Key Phrase	Creates a	From a
<environment variable> as string	<string>	<environment variable>
<file content> as lowercase	<file content>	<file content>
<file content> as uppercase	<file content>	<file content>
<file> as string	<string>	<file>
<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>
<ipv4 address> as string	<string>	<ipv4 address>
<ipv6 address> as compressed string	<string>	<ipv6 address>
<ipv6 address> as compressed string with ipv4	<string>	<ipv6 address>
<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>

Key Phrase	Creates a	From a
<language> as string	<string>	<language>
<local group member> as string	<string>	<local group member>
<metabase identifier> as integer	<integer>	<metabase identifier>
<metabase identifier> as string	<string>	<metabase identifier>
<metabase type> as integer	<integer>	<metabase type>
<metabase type> as string	<string>	<metabase type>
<metabase user type> as integer	<integer>	<metabase user type>
<metabase user type> as string	<string>	<metabase user type>
<metabase value> as integer	<integer>	<metabase value>
<metabase value> as string	<string>	<metabase value>
<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>
<operating system> as string	<string>	<operating system>
<primary language> as string	<string>	<primary language>
<property> as string	<string>	<property>
<registry key value type> as string	<string>	<registry key value type>
<registry key value> as application	<application>	<registry key value>
<registry key value> as file	<file>	<registry key value>

Key Phrase	Creates a	From a
<registry key value> as folder	<folder>	<registry key value>
<registry key value> as integer	<integer>	<registry key value>
<registry key value> as string	<string>	<registry key value>
<registry key value> as system file	<file>	<registry key value>
<registry key value> as time	<time>	<registry key value>
<rope> as string	<string>	<rope>
<security descriptor> as string	<string>	<security descriptor>
<security identifier> as string	<string>	<security identifier>
<service> as string	<string>	<service>
<setting> as string	<string>	<setting>
<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>
<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>

Key Phrase	Creates a	From a
<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 version	<version>	<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>
<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>
<version> as string	<string>	<version>

Key Phrase	Creates a	From a
<version> as version	<version>	<version>
<wmi object> as string	<string>	<wmi object>
<wmi select> as string	<string>	<wmi select>
<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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