**Tivoli.** Endpoint Manager Version 8.1

# HPUX Client Inspector Guide





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#### Part One

# Introduction

The *Tivoli Endpoint Manager HPUX Client Inspector Library* is a guide to the ordinary phrases (known as Inspectors) of the *Relevance Language*<sup>™</sup>. As the name implies, these phrases are used to inspect the properties of those Tivoli Endpoint Manager Clients that run the HPUX OS. Thousands of Inspectors have been created to expose the inner workings of HPUX computers, from the hardware and peripherals to the file system and software.

In addition to these client-specific Inspectors, there are several cross-platform Core Inspectors that are always available to you. These have been included in the keyword section at the end of this guide to provide you with a complete lexicon for Relevance scripting. For more information on the Core Inspectors, see the *Tivoli Endpoint Manager Core Inspector Guide*. Note that the name of the program has changed from *BigFix* to *Tivoli Endpoint Manager*, however most Inspectors still use the BigFix name when referring to the program.

This guide may look imposing, but it reflects a certain amount of redundancy designed to improve accessibility. Each Inspector object has a creation method, listed by type. But objects are also properties of other objects (or the world), so they may be listed twice. In addition, the keyword section echoes the objects yet again, while adding type information and the plural format.

Inspectors can be thought of as object-oriented representations of the underlying computer system. They let you write Relevance expressions to query thousands of aspects of any Tivoli Endpoint Manager Client, instantly and with minimal overhead. Inspectors are keywords in the Relevance Language, so called because it allows content to be targeted to just those computers where it is relevant and no others. Relevance statements non-invasively analyze the Client computer to see if proper conditions exist before attempting remediation. Relevance Expressions are embedded into Action Scripts in such a way as to guarantee that the issue you detect is the one you remediate. In addition, Inspectors can be used to collect properties of any Tivoli Endpoint Manager Client for your own custom analysis in the Tivoli Endpoint Manager Console or Web Reports program.

Relevance and Action scripts are bundled with human-readable content into **Fixlet**® Messages, which can be further grouped into Fixlet Sites and Domains that specific subsets of your network can subscribe to as needed.

The bulk of these Inspectors are multi-platform, allowing one expression to address all the operating systems encountered in a typical network. So, although this guide is explicitly aimed at a single platform, most of these Inspectors have equivalents on other platforms as well. The list of Inspectors grows day by day, as need dictates. For each Inspector, this guide lists (by platform) the version of Tivoli Endpoint Manager where it first debuted.

For more information on how to write Relevance expressions, see the *Tivoli Endpoint Manager Console Operator's Guide* and the *Tivoli Endpoint Manager Relevance Language Reference*.

HPUX Inspector Guide 1



## **Audience**

This guide is for IT managers, product support groups and other people who want to use Inspectors to write Fixlet messages and Tasks for HPUX-based Tivoli Endpoint Manager Clients.

IT managers use the **Tivoli Endpoint Manager** to keep their network of computers up to date and running smoothly without interruption. QA and other support teams can produce customized Fixlet messages to keep their users updated and their support calls to a minimum.

This document describes Inspectors for the HPUX Operating System. Contact your Tivoli Endpoint Manager marketing representative for information about Inspector Guides for other operating systems, including Windows, Solaris, AIX, Macintosh, and a variety of Linux operating systems.

## Conventions Used in this manual

This document makes use of the following conventions and nomenclature:

Convention	Use	
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>	Angle brackets are used to indicate a type, such as string or integer, that is the object of a key phrase. When this document says 'absolute value of <integer>' it indicates that in practice, you will substitute an integer value, as in 'absolute value of 5'.</integer>	
Italics	Indicates an Inspector <i>Form</i> . 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 notes the version when it debuted on every relevant operating system (see the following sect on Versions).	

## **Examples**

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

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

## **Versions**

Prior to version 8.1, the program was known as **BigFix** or the **BigFix Enterprise Suite (BES)**. Although the name is now **Tivoli Enterprise Manager**, you will still find many legacy Inspectors that refer to BigFix or BES.

Most Inspectors have equivalent implementations on other operating systems, allowing you to write crossplatform relevance expressions. BigFix/Tivoli Endpoint Manager works across all major computer platforms, including the following:

**Win:** the Windows version of the Tivoli Endpoint Manager Client and the Tivoli Endpoint Manager Session evaluation context..

Lin: the Red Hat and SUSE Linux version of the Tivoli Endpoint Manager Client.

**Sol:** the SUN Solaris operating system version of the Tivoli Endpoint Manager Client.

HPUX: the Hewlett-Packard UNIX version of the Tivoli Endpoint Manager Client.

AIX: the AIX version of the Tivoli Endpoint Manager Client.

Mac: the Macintosh version of the Tivoli Endpoint Manager Client.

**Ubu:** the Ubuntu / Debian version of the Tivoli Endpoint Manager Client.

WM: the Windows Mobile version of the Tivoli Endpoint Manager Client.

There are exceptions, of course. Some of the Inspectors were introduced in later versions of the program, and won't work on all versions of all platforms. To keep track of them, the debut version is listed at the end of the Inspector description, for example:

Win:2.0, Lin:3.1, Sol:7.1, HPUX:5.0, AIX:8.0, WM:7.2

This means that the Inspector of interest debuted in version 2.0 on Windows, but not until version 3.1 on Linux. In fact, version 3.1 of BigFix/Tivoli Endpoint Manager was the first version to include Linux Inspectors. Similarly, the first version for Windows Mobile was 7.2. The Inspector therefore exists on all versions of those two platforms, so the version number is unnecessary and we can simplify the list:

Win:2.0, Lin, Sol:7.1, HPUX:5.0, AIX:8.0, WM

To further streamline this information, the version number is eliminated if it is less than or equal to version 6.0, which is a minimum requirement for most deployments. So the simplified version becomes:

Win, Lin, Sol:7.1, HPUX, AIX:8.0, WM



## **Forms**

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	Example
Plain	keyword of <object></object>	address of ip interface
Plain Global	keyword	drives
Named	keyword "name" of <object></object>	variable "PATH" of environment
Named Global	keyword " <i>name</i> "	primary internet connection
Numbered	keyword number of <object></object>	line 5 of file "/usr/lib/foobar"
Numbered Global	keyword <i>number</i>	month 9
Index<(list)>	keyword (list) of <object></object>	substring (1,2) of "abcdefg"
Index<(list)> Global	keyword (list)	integers in (2,-1)
Binary Operator	<object> {op, cmp} <object></object></object>	December – current month
Unary Operator	{op} <object></object>	-month
Cast	<object> as keyword</object>	"4.5" as floating point

These differ from one another in their format and the syntax they require. Except for cast, binary, and unary operators, 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 all listed in the keyword section at the end of this document.

In the following pages, each Inspector is described in terms of the **methods** that are used to create the Inspector object, the **properties** of the object that are available for inspection, the mathematical (binary and unary) **operations** that that can be performed on them, as well as **casting** options to convert the various types.

Part Two

# Inspectors

## **World Objects**

These are the plain, named, numbered or indexed global objects. This list is the subset of World objects that return primitive types, such as string, integer, boolean and time.

## World

All objects created without context are known as 'properties of the world' in the relevance language. Below is a list of the primitive global properties, sorted by key phrase.

#### **Properties**

Key Phrase	Form	Return Type	Description
apparent registration server time	PlainGlobal	<time></time>	Shorthand for 'now of registration server'. When the client registers with the server, the server passes its current time back to the client. The client starts a stop watch at that time. The apparent registration server time is the time the server passed back to the client, plus the elapsed time on the stop watch.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
computer id	PlainGlobal	<integer></integer>	This is a unique integer assigned to the computer by the BES system.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
computer name	PlainGlobal	<string></string>	Returns a string corresponding to the name of the computer as it appears on the network.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
custom site subscription effective date <string></string>	NamedGlobal	<time></time>	Returns the date the custom site (specified by <string>) was last subscribed or unsubscribed. It is used internally by BES to manage custom site subscriptions.</string>
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
dns name	PlainGlobal	<string></string>	Returns the DNS name of the computer.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
domain name	PlainGlobal	<string></string>	Returns the fully qualified domain name of the machine.
			Lin, Sol, HPUX, AIX, Ubu



Key Phrase	Form	Return Type	Description
domainname	PlainGlobal	<string></string>	Same as domain name.
			Lin, Sol, HPUX, AIX, Ubu
download path <string></string>	NamedGlobal	<string></string>	This inspector is available in relevance subsitution action processing. It returns a string corresponding to the download path of the specified file. This Inspector (along with download folder and download file) is designed to be used during the prefetch process of action execution. This is equivalent to '(pathname of download folder) & pathseparator & "myfile".
			Win:7.2, Lin:7.2, Sol:7.2, HPUX:7.2, AIX:7.2, Mac:7.2, WM, Ubu
host name	PlainGlobal	<string></string>	Returns the machine name (the same as the computer name or hostname on UNIX machines).
			Lin, Sol, HPUX, AIX, Ubu
hostname	PlainGlobal	<string></string>	Returns the standard host name, usually for the computer's network.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
last relay select time	PlainGlobal	<time></time>	Returns the time when last relay selection took place.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
model	PlainGlobal	<string></string>	Returns the model of the computer.
			HPUX
parameter <string></string>	NamedGlobal	<string></string>	This Inspector is a synonym for the parameter <string> of <action>. It looks up the value of the action parameter specified by <string>. This is used in conjunction with the parameter set command.  Win, Lin, Sol, HPUX, AIX, Mac:7.1, WM, Ubu</string></action></string>
nonding logic	PlainGlobal	<boolean></boolean>	
pending login	riaiiiGlObai	<pre>succieans</pre>	Installers may leave values in the registry that the operating system will execute when the next user logs in. Pending login can detect these registry entries.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
pending restart	PlainGlobal	<boolean></boolean>	Returns TRUE if the operating system indicates that a restart needs to occur.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

Key Phrase	Form	Return Type	Description
pending restart <string></string>	NamedGlobal	<boolean></boolean>	Immediately after issuing a command like 'Action requires restart "PatchGroupX", the expression 'Pending restart "PatchGroupX" will be true until the next restart.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
pending restart name	PlainGlobal	<string></string>	This iterated Inspector returns the names of currently pending restarts.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
system language	PlainGlobal	<string></string>	Returns the language of the system as a string. It is identified using the GetSystemDefaultLangID() system call. See the language keyword of the application object for a list of possible language value.
			Win, Lin, Sol, HPUX, AIX, WM, Ubu
wake on lan subnet cidr string	PlainGlobal	<string></string>	Returns the subnet the client is in for Wake on Lan (WoL) purposes. The client sends information to the relay during registration that is used to decide which subnet the client is in. The relay returns the subnet to the client, which is the value this Inspector exposes. This value is used to send WoL commands to forwarders. To wake a machine by computer ID, the server looks up the mac address and subnet of that machine. It then tries to identify clients that have been configured as WoL forwarders within the same subnet and routes WoL commands to those forwarders, sending them the mac address of the machine that needs to be awoken.
			Win:7.1, Lin:7.1, Sol:7.1, HPUX:7.1, AIX:7.1, Mac:7.1, WM, Ubu

### **Examples**

- wait "{download path"update.exe"}"
- In an Action script, this line causes the BES Client to perform relevance substitution to compute the full path to the downloaded file (previously collected by a download command in the same Action script). After relevance substitution, the Client launches the specified executable and waits for it to complete before moving on to other Action lines.
- host name
- Returns a string like "localhost.localdomain" or "user.bigcorp".
- model
- Returns a string such as "9000/785/c3000".



## Filesystem Objects

This chapter covers the keywords for extracting information from the file system, like files, drives, pathnames, folders, etc. It also includes the keywords needed to identify and compare version information of files and patches. For more information on special Windows folders, see the Resources section at the end of this guide.

## Filesystem

The filesystem object can be used to inspect various aspects of mounted file systems, including the format of the file system. Here are some of the possible format types:

• affs

• msdos

• sysv4, sysv2

• ext, ext2, ext2\_old

• ncp

coh

hpfsiso

nfsproc

ufsxia

• minix, minix\_30, minix2,

• smb

minix2\_30

xenix

#### **Creation Methods**

Key Phrase	Form	Description
drive	PlainGlobal	Iterates through all valid drives on the system. Typically used to return a list of the drives (volumes, filesystems) on the client computer.
		On Windows computers, this returns a <drive> object.</drive>
		On *nic computers, this returns a <filesystem> object.</filesystem>
		Drives, volumes and filesystems are treated the same on the Macintosh and return a <volume> type.</volume>
		Lin, Sol, HPUX, AIX, , WM, Ubu
drive <string></string>	NamedGlobal	Returns the drive associated with the pathname specified by <string>.</string>
		On Windows computers, this returns a <drive> object.</drive>
		On Macintosh computers, this returns a <volume> object.</volume>
		On *nix computers, this returns a <filesystem> object.</filesystem>
		Lin, Sol, HPUX, AIX, , WM, Ubu
drive of <device file=""></device>	Plain	Returns the drive associated with the specified device file.
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
drive of <fifo file=""></fifo>	Plain	Returns the drive associated with the specified FIFO (named pipe) file.
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu

Key Phrase	Form	Description
drive of <file></file>	Plain	Returns the drive associated with the specified file.  On Macintosh computers, this returns a <volume> object.  On *nix computers, this returns a <filesystem> object.</filesystem></volume>
		Lin, Sol, HPUX, AIX, , Ubu
drive of <folder></folder>	Plain	Returns the drive associated with the specified folder.  On Macintosh computers, this returns a <volume> object.  On *nix computers, this returns a <filesystem> object.</filesystem></volume>
defende of the second of the	Disir	Lin, Sol, HPUX, AIX, , Ubu
drive of <socket file=""></socket>	Plain	Returns the drive associated with the specified socket file.
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
drive of <symlink></symlink>	Plain	Returns the drive associated with the specified symlink as a <filesystem> object.</filesystem>
		Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
filesystem	PlainGlobal	Returns <filesystem> objects for all currently mounted file systems.</filesystem>
		Lin, Sol, HPUX, AIX, Ubu
filesystem <string></string>	NamedGlobal	Returns the filesystem object for the name provided.
		Lin, Sol, HPUX, AIX, Ubu
filesystem of <device file=""></device>	Plain	Returns the filesystem object corresponding to the specified device file.
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
filesystem of <fifo file=""></fifo>	Plain	Returns the filesystem object corresponding to the specified FIFO file.
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
filesystem of <file></file>	Plain	Returns the filesystem on which the file resides.
		Lin, Sol, HPUX, AIX, Ubu
filesystem of <folder></folder>	Plain	Returns the filesystem on which the folder resides.
		Lin, Sol, HPUX, AIX, Ubu
filesystem of <socket file=""></socket>	Plain	Returns the filesystem object corresponding to the specified socket file.
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
filesystem of <symlink></symlink>	Plain	Returns the filesystem on which the symlink resides.
		Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu



Key Phrase	Form	Return Type	Description
file count of <filesystem></filesystem>	Plain	<integer></integer>	Returns the total number of files that may be saved on this filesystem.
			Lin, Sol, HPUX, AIX, Ubu
free file count of <filesystem></filesystem>	Plain	<integer></integer>	Returns the number of files available on this filesystem.
			Lin, Sol, HPUX, AIX, Ubu
free percent of <filesystem></filesystem>	Plain	<integer></integer>	Returns the percentage of the file system currently available.
			Lin, Sol, HPUX, AIX, Ubu
free space of	Plain	<integer></integer>	Returns the number of bytes on this filesystem.
<filesystem></filesystem>			Lin, Sol, HPUX, AIX, Ubu
name of <filesystem></filesystem>	Plain	<string></string>	Returns the mount point of the filesystem object.
			Lin, Sol, HPUX, AIX, Ubu
size of <filesystem></filesystem>	Plain	<integer></integer>	Returns the total number of bytes on this file system (same as total space).
			Lin, Sol, HPUX, AIX, Ubu
total space of <filesystem></filesystem>	Plain	<integer></integer>	Returns the total number of bytes on this file system (same as size).
			Lin, Sol, HPUX, AIX, Ubu
type of <filesystem></filesystem>	Plain	<string></string>	Returns the filesystem format type, as listed in the type header.
			Lin, Sol, HPUX, AIX, Ubu
used file count of	Plain	<integer></integer>	The number of files in use on this filesystem.
<filesystem></filesystem>			Lin, Sol, HPUX, AIX, Ubu
used percent of <filesystem></filesystem>	Plain	<integer></integer>	Returns the percentage of the file system currently in use.
			Lin, Sol, HPUX, AIX, Ubu
used space of <filesystem></filesystem>	Plain	<integer></integer>	Returns the number of bytes on this filesystem currently in use.
			Lin, Sol, HPUX, AIX, Ubu

## **Examples**

- names of drives
- Returns the names of the mounted drives.

- names of filesystems
- Returns the mount points of the file systems.
- (name of it, type of it) of filesystems
- Returns the names and types of all mounted file systems.

## Filesystem Object

## **Properties**

Key Phrase	Form	Return Type	Description
<pre><filesystem object=""> as device file</filesystem></pre>	Cast	<device file&gt;</device 	Returns a device file or nothing (if the filesystem object specified is not a device file).
			Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
<pre><filesystem object=""> as fifo file</filesystem></pre>	Cast	<fifo file=""></fifo>	Returns a FIFO file or nothing (if the filesystem object specified is not a FIFO file).
			Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
<filesystem object=""> as</filesystem>	Cast	<socket< td=""><td>Casts a given filesystem object as a socket file.</td></socket<>	Casts a given filesystem object as a socket file.
socket file		file>	Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
<filesystem object=""> as</filesystem>	Cast	<string></string>	Casts a filesystem object as a string.
string			Win:8.0, Lin, Sol, HPUX, AIX, Mac, Ubu
<filesystem object=""> as</filesystem>	Cast	<symlink></symlink>	Casts a link in the form of a file into a symlink.
symlink			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
accessed time of <filesystem object=""></filesystem>	Plain	<time></time>	When the filesystem object (file or folder) was last accessed. Some file systems maintain this property.
			Win, Lin, Sol, HPUX, AIX, WM, Ubu
ancestor of <filesystem object=""></filesystem>	Plain	<folder></folder>	Returns all ancestor folders (recursive parent folders) of the given filesystem object (file or folder).
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
gid of <filesystem< td=""><td>Plain</td><td><integer></integer></td><td>Returns the group ID of the given filesystem object.</td></filesystem<>	Plain	<integer></integer>	Returns the group ID of the given filesystem object.
object>			Lin, Sol, HPUX, AIX, Ubu
group execute of <filesystem object=""></filesystem>	Plain	<boolean></boolean>	Returns TRUE if the group execute flag is set for the given filesystem object.
			Lin, Sol, HPUX, AIX, Ubu
group mask of <filesystem object=""></filesystem>	Plain	<integer></integer>	Returns the group permission mask of the given filesystem object.
			Lin, Sol, HPUX, AIX, Ubu



Key Phrase	Form	Return Type	Description
group name of <filesystem object=""></filesystem>	Plain	<string></string>	Returns the group name of the given filesystem object.
			Lin, Sol, HPUX, AIX, Ubu
group read of <filesystem object=""></filesystem>	Plain	<boolean></boolean>	Returns TRUE if the group read flag is set for the given filesystem object.
			Lin, Sol, HPUX, AIX, Ubu
group write of <filesystem object=""></filesystem>	Plain	<boolean></boolean>	Returns TRUE if the group write flag is set for the given filesystem object.
			Lin, Sol, HPUX, AIX, Ubu
link count of <filesystem object=""></filesystem>	Plain	<integer></integer>	Returns an integer corresponding to the number of hard links attached to the specified filesystem object.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
location of <filesystem object=""></filesystem>	Plain	<string></string>	Returns the name of the directory in which the file or folder (filesystem object) is located.
			Win, Lin, Sol, HPUX, AIX, WM, Ubu
mode of <filesystem object=""></filesystem>	Plain	<mode></mode>	Returns the permissions mode for the given filesystem object.
			Lin, Sol, HPUX, AIX, Ubu
modification time of <filesystem object=""></filesystem>	Plain	<time></time>	The date and time of latest modification of the file. This corresponds to what is shown in the "Get Info" box.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
name of <filesystem< td=""><td>Plain</td><td><string></string></td><td>This returns the name of the file or folder.</td></filesystem<>	Plain	<string></string>	This returns the name of the file or folder.
object>			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
other execute of <filesystem object=""></filesystem>	Plain	<boolean></boolean>	Returns TRUE if others (not in the group) have execute permissions on the given filesystem object.
			Lin, Sol, HPUX, AIX, Ubu
other mask of <filesystem object=""></filesystem>	Plain	<integer></integer>	Returns the other (not in the group) mask as a 3-bit integer corresponding to rwx permissions for the specified filesystem object.
			Lin, Sol, HPUX, AIX, Ubu
other read of <filesystem object=""></filesystem>	Plain	<boolean></boolean>	Returns TRUE if others (not in the group) have read permissions on the given filesystem object.
			Lin, Sol, HPUX, AIX, Ubu
other write of <filesystem object=""></filesystem>	Plain	<boolean></boolean>	Returns TRUE if others (not in the group) have write permissions on the given filesystem object.
			Lin, Sol, HPUX, AIX, Ubu

Key Phrase	Form	Return Type	Description
parent folder of	Plain	<folder></folder>	The folder containing the specified file or folder.
<filesystem object=""></filesystem>			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
pathname of <filesystem object=""></filesystem>	Plain	<string></string>	Returns the full pathname of the specified file or folder (filesystem object) as a string.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
setgid of <filesystem object=""></filesystem>	Plain	<boolean></boolean>	Returns TRUE if the setgid (group ID) bit is set for the specified filesystem object.
			Lin, Sol, HPUX, AIX, Ubu
setuid of <filesystem object=""></filesystem>	Plain	<boolean></boolean>	Returns TRUE if the setuid (user ID) bit is set for the specified filesystem object.
			Lin, Sol, HPUX, AIX, Ubu
uid of <filesystem object=""></filesystem>	Plain	<integer></integer>	The user ID of the user who owns this filesystem object.
			Lin, Sol, HPUX, AIX, Ubu
user execute of <filesystem object=""></filesystem>	Plain	<boolean></boolean>	Returns TRUE if the owner (user) has execute permissions on the given filesystem object.
			Lin, Sol, HPUX, AIX, Ubu
user mask of <filesystem object=""></filesystem>	Plain	<integer></integer>	Integer representing user permissions (3 bit mask, RWX) on the specified filesystem object.
			Lin, Sol, HPUX, AIX, Ubu
user name of <filesystem object=""></filesystem>	Plain	<string></string>	Returns the owner (user) name of the specified filesystem object.
			Lin, Sol, HPUX, AIX, Ubu
user read of <filesystem object=""></filesystem>	Plain	<boolean></boolean>	Returns the owner (user) read permissions for the specified filesystem object.
			Lin, Sol, HPUX, AIX, Ubu
user write of <filesystem object=""></filesystem>	Plain	<boolean></boolean>	Returns the owner (user) write permissions for the specified filesystem object.
			Lin, Sol, HPUX, AIX, Ubu

## **Examples**

- file "/example/link" as symlink
- Returns the link (in file format) as a symlink object ("/example/link").



## File

For each file in the file system, you can create a corresponding file object and inspect its properties. Inspectors are also provided to look at version data of executable files.

• NOTE: File systems that do not maintain the creation or last accessed times will often return the last modification time when queried for the creation or last accessed times or files. Modification times are preserved when files are copied. Thus, it is not uncommon to see a file that appears to have been modified before it was created.

**Type Derivation:** This object type is derived from the <filesystem object> type and therefore shares the same properties as that type.

CAUTION: Some file content Inspectors can cause contention issues with other applications, regardless of the platform. These Inspectors open up the file for read access with maximal sharing with other applications. However, if other applications try to access the file with exclusive rights, they will fail. The set of Inspectors that hold a handle to the file are: 'lines of file', 'contents of file' and 'sha1 of file'.

#### **Creation Methods**

See application objects for additional creation methods

Key Phrase	Form	Description
<symlink> as file</symlink>	Cast	Converts a symlink object into the file it points to.
		Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
default web browser	PlainGlobal	Creates an object corresponding to the default web browser. This is a Windows and Macintosh inspector; it will fail gracefully on other operating systems instead of generating an error.
		<ul> <li>Note: This Inspector returns a <file> object on UNIX, an <application> on Windows and a <filesystem object=""> on the Mac.</filesystem></application></file></li> </ul>
		Lin, Sol, HPUX, AIX, Ubu
descendant of <folder></folder>	Plain	Returns a list of all the descendant files of the specified folder.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
download file <string></string>	NamedGlobal	This inspector is available in relevance substitution action processing. It returns a file object with the given name from the named folder or the download folder. This is equivalent to 'file "name" of download folder'. The file should exist or the result will not exist.
		Win:7.2, Lin:7.2, Sol:7.2, HPUX:7.2, AIX:7.2, Mac:7.2, WM, Ubu
file <string></string>	NamedGlobal	Returns a filesystem object corresponding to the full pathname provided in <string>.</string>
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

Key Phrase	Form	Description
file <string> of <folder></folder></string>	Named	Creates the file objects corresponding to the named file within the folder.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
file <symlink></symlink>	Index <symlink>Global</symlink>	Returns the file pointed to by the specified symlink. If the file doesn't exist, this Inspector will throw a 'non-existent object' error.
		Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
file of <folder></folder>	Plain	Iterates through the files of a folder.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
find file <string> of <folder></folder></string>	Named	Creates an object corresponding to the files of the folder that that match the wildcard <string> provided. A wildcard string uses an asterisk to stand for any number of characters (incuding zero), and a question mark to stand for exactly one character. Thus A??.txt would match All.txt and AXE.txt but not all.txt or a.txt.</string>
		Win, Lin, Sol, HPUX, AIX, Mac:8.0, WM, Ubu
masthead of <site></site>	Plain	A copy of the masthead is maintained with the site data. This inspector returns a file object for the copy.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

Key Phrase	Form	Return Type	Description
byte <integer> of <file></file></integer>	Numbered	<integer></integer>	Returns the numeric value of the byte located at the offset specified by number within the file. Byte 0 of the file is the first byte.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
content of <file></file>	Plain	<file content&gt;</file 	Returns an object that can be used to search for a string in the file. See content.  CAUTION: This Inspector maintains a handle to the specified file, so during its operation it may block any other applications that attempt to open the file. Inspectors open files as with both read and write sharing, so apps that open with compatibleaccess will not block.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
drive of <file></file>	Plain	<filesystem></filesystem>	Returns the drive associated with the specified file as a <filesystem> object.  Lin, Sol, HPUX, AIX, Ubu</filesystem>
filesystem of <file></file>	Plain	<filesystem></filesystem>	Returns the UNIX filesystem flag for the given file.  Lin, Sol, HPUX, AIX, Ubu



Key Phrase	Form	Return Type	Description
key <string> of <file></file></string>	Named	<string></string>	Returns a key and its value from the given structured text file. It iterates over lines that start with the key name (as specified by <string>) followed by an = or : character. When searching, white space is ignored.</string>
			Win, Lin, Sol, HPUX, AIX, Mac, Ubu
line <integer> of <file></file></integer>	Numbered	<file line=""></file>	Returns the nth line (specified by <integer>) from the given file.</integer>
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
line containing <string> of <file></file></string>	Named	<file line=""></file>	Returns all lines from the given file that contain the specified string.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
line of <file></file>	Plain	<file line=""></file>	Iterates over all the lines of the specified file. NOTE: lines are truncated to 1023 characters. CAUTION: This Inspector maintains a handle to the specified file, so during its operation it may block any other applications that attempt to open the file. Inspectors open files as with both read and write sharing, so apps that open with compatibleaccess will not block.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
line starting with <string> of <file></file></string>	Named	<file line=""></file>	Same as line <string> of <file>, returns the lines of the given file that start with the specified string.</file></string>
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
section <string> of <file></file></string>	Named	<file section&gt;</file 	Returns a named section of a file. Useful for locating sections of 'ini' files. Section names are delimited by square bracket characters '[section name]'. See examples below.
	 	<u> </u>	Win, Lin, Sol, HPUX, AIX, Mac, Ubu
sha1 of <file></file>	Plain	<string></string>	Returns the sha1 checksum of the file hex encoded as a 40 character long string.  CAUTION: This Inspector maintains a handle to the specified file, so during its operation it may block any other applications that attempt to open the file. Inspectors open files as with both read and write sharing, so apps that open with compatibleaccess will not block.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
size of <file></file>	Plain	<integer></integer>	Returns the size in bytes of a file.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

Key Phrase	Form	Return Type	Description
variable of <file></file>	Plain	<string></string>	Returns the names of variables contained in an INF style file, in the format [section].name=value.
			Win, Lin, Sol, HPUX, AIX, WM, Ubu

NOTE: Folder and file names may be case sensitive. Use "as uppercase" or "as lowercase" if you don't know the actual case when making comparisons. Iterating through folders with many files can be time consuming.

#### NOTE:

The format of the string returned when casting a file using 'as string' is: "<fileName>" "<version>" "<fileDesc>" "<fileVersion>" "<companyName>" Where:

<filename></filename>	The name of the file	
<version></version>	The 'Product Version' of the file.	
<filedesc></filedesc>	The value 'FileDescription' of version block 1 of the file.	
<fileversion></fileversion>	The value 'FileVersion' of version block 1 of the file.	
<companyname></companyname>	The value 'CompanyName' of version block 1 of the file.	

#### **Examples**

- wait "{pathname of download file "update.exe"}"
- In an Action script, this line causes the BES Client to perform relevance substitution to compute the full path to the downloaded file (previously collected by a download command in the same Action script). After relevance substitution, the Client launches the specified executable and waits for it to complete before moving on to other Action lines.
- Number of find files "siteico\*.bmp" of client folder of current site = 3
- Returns TRUE if there are 3 files matching the wildcard pattern siteico\*.bmp.
- modification time of masthead of current site < time "4 Aug 1997 01:00 pdt"
- TRUE if the masthead is older than the specified date.



## **Application**

Application objects derive from file objects. Therefore, application objects inherit all of the properties of the file object. This means that you can inspect properties such as 'modification time' or 'Product Version' of an application just as you would a file. See the properties of a file object for a complete list of these. The real power and primary purpose of the application object is their creation. The creation methods are optimized in anticipation of the importance of this object.

- NOTE: See 'File' for a list of the Application properties. Folder and file names may be case sensitive. Use "as uppercase" or "as lowercase" if you don't know the actual case when making comparisons.
- For Windows versions of these Inspectors, a properly installed application will register itself with the operating system. It does this by creating a registry sub-key usually named after the executable. The regapp Inspector uses the default value of this sub-key as a string that is the full pathname of the executable.

**Type Derivation:** This object type is derived from the <file> type and therefore shares the same properties as that type.

#### **Creation Methods**

Key Phrase	Form	Description
application <string></string>	NamedGlobal	Creates an application object for the name provided.
		Win, Lin, Sol, HPUX, AIX, WM, Ubu
application <string> of <folder></folder></string>	Named	As with the file object, you can create an application object by naming it relative to its parent folder.
		Win, Lin, Sol, HPUX, AIX, WM, Ubu

#### **Examples**

- exists application "notepad.exe" of the windows folder
- Using the application of folder creation method, this example locates the notepad application provided it exists in the Windows folder.

## Folder

For every folder that exists in the file system, you can create a folder object. These Inspectors allow you to examine dozens of properties of folder objects. On the Macintosh, there are dozens of specialized folders; access to them depends on the domain. If the domain is not specified, it defaults to the system domain.

**Type Derivation:** This object type is derived from the <filesystem object> type and therefore shares the same properties as that type.

#### **Creation Methods**

Key Phrase	Form	Description
<symlink> as folder</symlink>	Cast	Converts a symlink object into the folder it points to.
		Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
ancestor of <filesystem object=""></filesystem>	Plain	Returns all ancestor folders (recursive parent folders) of the given filesystem object (file or folder).
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
ancestor of <symlink></symlink>	Plain	Returns all ancestor folders (recursive parent folders) of the given symlink.
		Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
client folder of <site></site>	Plain	Creates an object corresponding to the folder on the client where site data is gathered.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
descendant folder of <folder></folder>	Plain	Returns the descendant folders, recursively, of the given folder. The folder equivalent of "descendants of <folder>".</folder>
		Win:7.0, Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Mac:7.1, WM, Ubu
find folder <string> of <folder></folder></string>	Named	Finds the folder with the given wildcard name inside another folder. A wildcard string uses an asterisk to stand for any number of characters (incuding zero), and a question mark to stand for exactly one character. Thus A??.txt would match All.txt and AXE.txt but not all.txt or a.txt.
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
folder <string></string>	NamedGlobal	Creates a folder object for the named folder. This is a global property.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
folder <string> of <folder></folder></string>	Named	Creates a folder object for the named sub-folder. Trailing slashes should be omitted from the name.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu



Key Phrase	Form	Description
folder <symlink></symlink>	Index <symlink>Global</symlink>	Returns the folder pointed to by the specified symlink.
		Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
folder of <folder></folder>	Plain	Iterates through the sub-folders of the folder object.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
parent folder of	Plain	The folder containing the specified file or folder.
<filesystem object=""></filesystem>		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
parent folder of <symlink></symlink>	Plain	Creates a folder object corresponding to the parent folder of the given symlink.
		Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
root folder	PlainGlobal	Returns the folder corresponding to '/'.
		Lin, Sol, HPUX, AIX, Ubu

Key Phrase	Form	Return Type	Description
application <string> of <folder></folder></string>	Named	<application></application>	Returns an application object for the named file located in the folder. See application.  Win, Lin, Sol, HPUX, AIX, WM, Ubu
descendant folder of <folder></folder>	Plain	<folder></folder>	Returns the descendant folders, recursively, of the given folder. The folder equivalent of "descendants of <folder>".  Win:7.0, Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Mac:7.1, WM, Ubu</folder>
descendant of <folder></folder>	Plain	<file></file>	Returns a list of all the descendant files of the specified folder.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
device file <string> of <folder></folder></string>	Named	<device file=""></device>	Returns the device file with the specified name in the given folder.  Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
device file of <folder></folder>	Plain	<device file=""></device>	Returns the device files that exist in the specified folder. Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
drive of <folder></folder>	Plain	<filesystem></filesystem>	Creates the drive object corresponding to the folder location. Included for compatibility with Windows machines, this Inspector is the same as filesystem of <folder>.  Lin, Sol, HPUX, AIX, Ubu</folder>

Key Phrase	Form	Return Type	Description
fifo file <string> of <folder></folder></string>	Named	<fifo file=""></fifo>	Returns the FIFO file (named pipe) with the given name in the specified folder.
			Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
fifo file of <folder></folder>	Plain	<fifo file=""></fifo>	Returns the list of FIFO file in the given folder.
			Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
file <string> of <folder></folder></string>	Named	<file></file>	Returns a file object for the named file located in the folder.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
file of <folder></folder>	Plain	<file></file>	Iterates through the files of a folder returning file objects. When combined with a whose clause you can select files with specific properties. See file.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
filesystem of <folder></folder>	Plain	<filesystem></filesystem>	Returns the filesystem on which the folder resides.
			Lin, Sol, HPUX, AIX, Ubu
find file <string> of <folder></folder></string>	Named	<file></file>	Iterates through the files of a folder returning file objects whose name matches the wildcard string provided in the name parameter. A wildcard string uses an asterisk to stand for any number of characters (incuding zero), and a question mark to stand for exactly one character. Thus A??.txt would match All.txt and AXE.txt but not all.txt or a.txt. See example below.
			Win, Lin, Sol, HPUX, AIX, Mac:8.0, WM, Ubu
find folder <string> of <folder></folder></string>	Named	<folder></folder>	Finds the folder with the given wildcard name inside another folder. A wildcard string uses an asterisk to stand for any number of characters (incuding zero), and a question mark to stand for exactly one character. Thus A??.txt would match All.txt and AXE.txt but not all.txt or a.txt.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
folder <string> of <folder></folder></string>	Named	<folder></folder>	Returns a folder object for the named sub-folder. Trailing slashes should be omitted from the name.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
folder of <folder></folder>	Plain	<folder></folder>	Iterates through the folders of a folder returning folder objects. When combined with a whose clause, you can select folders with specific properties.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
socket file <string> of <folder></folder></string>	Named	<socket file=""></socket>	Returns the socket file with the given name in the specified folder.
			Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu



Key Phrase	Form	Return Type	Description
socket file of <folder></folder>	Plain	<socket file=""></socket>	Returns the socket file(s) in the specified folder.
			Lin:8.0, Sal:8.0, HPUX:8.0, AIX:8.0, Ubu
symlink <string> of <folder></folder></string>	Named	<symlink></symlink>	Returns the named symlink from the specified folder.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
symlink of <folder></folder>	Plain	<symlink></symlink>	Returns the symlink(s) in the specified folder, whether or not they are broken.
			NOTE: This behavior differs from looking for files in a folder. Although that returns links along with the files, it doesn't return broken links.
			Lin:7.0, Sal:7.0, HPUX:7.0, AIX:7.0, Ubu

NOTE: Folder and file names may be case sensitive. Use "as uppercase" or "as lowercase" if you don't know the actual case when making comparisons. Be careful not to iterate through folders that contain a large number of files. Counting files in such a folder can be slow. Always try to use the most efficient techniques to minimize the client overhead. Consider using the "find file" Inspector which allows you to filter sets of files by using the wildcard.

### File Section

Many programs and utilities store their settings in 'ini' files. This object is designed to access these settings. An 'ini' file is composed of zero or more named sections, each with zero or more keys. Each key is identified by name and has a string value.

#### **Creation Methods**

Key Phrase	Form	Description
section <string> of <file></file></string>	Named	Creates a file section for the name given. A case-insensitive search is performed to locate the named section in the file. Searching through files for configuration data can be a slow process. Particularly for large ini files. In this case you may want to find another method that requires less computation.  Win, Lin, Sol, HPUX, AIX, Mac, Ubu

Key Phrase	Form	Return Type	Description
key <string> of <file section=""></file></string>	Named	<string></string>	Returns a string containing the value for the name provided. A case-insensitive search is performed through the section of the file.  Win, Lin, Sol, HPUX, AIX, Mac, Ubu

NOTE: Files with an extension of .ini are common in Windows systems, but rare in unix systems. However they are a handy cross-platform way of maintaining a collection of named variables.

## File Content

Content objects can be constructed from file objects to inspect their contents.

#### **Creation Methods**

Key Phrase	Form	Description
<file content=""> as lowercase</file>	Cast	Returns the contents of the file as lower case characters.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
<file content=""> as uppercase</file>	Cast	Returns the contents of the file as upper case characters.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
content of <file></file>	Plain	Creates a content object for a file.  CAUTION: This Inspector maintains a handle to the specified file, so during its operation it may block any other applications that attempt to open the file. Inspectors open files as with both read and write sharing, so apps that open with compatibleaccess will not block.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

## **Properties**

Key Phrase	Form	Return Type	Description
<file content=""> as lowercase</file>	Cast	<file content&gt;</file 	Returns a lowercase version of the content provided.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
<file content=""> as uppercase</file>	Cast	<file content&gt;</file 	Returns an uppercase version of the content provided.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu



#### **Operators**

Key phrase	Return Type	Description
<file content=""> contains <string></string></file>	<boolean></boolean>	Returns TRUE if the string is located in the content provided.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

NOTE: See "file section" for a more detailed inspection of .ini files.

### **Examples**

- content of file "oeminfo.ini" of system folder as lowercase contains "emachines"
- Returns TRUE if either of the strings "emachines" or "eMachines" is found in the file.

#### Version

This is the numeric method of indicating the file version, which is compact, convenient and fast. It makes use of a short string to define the version number. Version types are available as both client and core Inspectors, so if you don't find what you want in one guide, please check the other.

#### **Creation Methods**

Key Phrase	Form	Description
version of <application td="" usage<=""><td>Plain</td><td>Returns the version of the specified application instance.</td></application>	Plain	Returns the version of the specified application instance.
summary instance>		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
version of <client></client>	Plain	The product version of the BES application (BESClient or QnA).
		Lin, Sol, HPUX, AIX, Mac:7.1, Ubu
version of <current relay=""></current>	Plain	Returns a version object that is the version of the server or relay that the client last registered with. This may be a BES Relay or the BES root server.
		Win:7.0, Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Mac:7.1, WM, Ubu
version of <service></service>	Plain	This Inspector takes the specified service property and retrieves its version (file version).
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu

NOTE: Using the numeric version data is better than identifying an application based on version block strings. If you know the numeric version information and that the developer has identified each release of his application uniquely, then this is the way to proceed. It requires far less overhead than the other method. Furthermore, if you know that the numeric version data is monotonically increasing then you can compare their values using the special comparison operators.

#### **Examples**

- version of client as string
- Returns a string like "4.0.3.7".

#### Mode

The mode inpector returns file type information and permissions. These are the possible values of mode:

- S\_IFMT 170000 bitmask for the file type bitfields
- S IFSOCK 140000 socket
- S\_IFLNK 120000 symbolic link
- S\_IFREG 100000 regular file
- S\_IFBLK 060000 block device
- S IFDIR 040000 directory
- S\_IFCHR 020000 character device
- S\_IFIFO 010000 fifo
- S ISUID 004000 set UID bit
- S ISGID 002000 set GID bit
- S\_ISVTX 001000 sticky bit
- S\_IRWXU 000700 mask for file owner permissions
- S\_IRUSR 000400 owner has read permission
- S\_IWUSR 000200 owner has write permission
- S\_IXUSR 000100 owner has execute permission
- S\_IRWXG 000070 mask for group permissions
- S\_IRGRP 000040 group has read permission
- S\_IWGRP 000020 group has write permission
- S\_IXGRP 000010 group has execute permission
- S\_IRWXO 000007 mask for permissions for others (not in group)
- S\_IROTH 000004 others have read permission
- S\_IWOTH 000002 others have write permission
- S\_IXOTH 000001 others have execute permission

#### **Creation Methods**

Key Phrase	Form	Description
mode of <filesystem object=""></filesystem>	Plain	Returns the permissions mode for the given filesystem object.
		Lin, Sol, HPUX, AIX, Ubu



Key Phrase	Form	Return Type	Description
<mode> as octal string</mode>	Cast	<string></string>	Converts the mode to a string of octal numbers.
			Lin, Sol, HPUX, AIX, Ubu
<mode> as string</mode>	Cast	<string></string>	Converts the mode to a string.
			Lin, Sol, HPUX, AIX, Ubu
group mask of <mode></mode>	Plain	<mode_mask></mode_mask>	Returns the mask for group permissions for the given mode.
			Lin, Sol, HPUX, AIX, Ubu
other mask of <mode></mode>	Plain	<mode_mask></mode_mask>	Returns the mask for permissions for others (those not in the group) for the given mode.
			Lin, Sol, HPUX, AIX, Ubu
setgid of <mode></mode>	Plain	<boolean></boolean>	Returns TRUE if setgid (the group ID flag) is set.
			Lin, Sol, HPUX, AIX, Ubu
setuid of <mode></mode>	Plain	<boolean></boolean>	Returns TRUE if setuid (the user ID flag) is set.
			Lin, Sol, HPUX, AIX, Ubu
sticky of <mode></mode>	Plain	<boolean></boolean>	The `sticky' bit (S_ISVTX) on a directory means that a file in that directory can be renamed or deleted only by the owner of the file, by the owner of the directory, and by root. This inspector returns TRUE if the sticky bit of the given mode is on.
			Lin, Sol, HPUX, AIX, Ubu
user mask of <mode></mode>	Plain	<mode_mask></mode_mask>	Returns the mask for the user (file owner) permissions for the given mode.
			Lin, Sol, HPUX, AIX, Ubu

## $Mode\_mask$

The mode\_mask Inspector is a differently formatted version of the mode, created by shifting the key information down to the low three bits.

### **Creation Methods**

Key Phrase	Form	Description
group mask of <mode></mode>	Plain	The rwx mask (shifted to the lower 3 bits) for group permissions for the given mode.
		Lin, Sol, HPUX, AIX, Ubu

Key Phrase	Form	Description
other mask of <mode></mode>	Plain	The rwx mask (shifted to the lower 3 bits) for permissions for others (those not in the group) for the given mode.  Lin, Sol, HPUX, AIX, Ubu
user mask of <mode></mode>	Plain	The rwx mask (shifted to the lower 3 bits) for permissions for the user (the file owner) for the given mode.  Lin, Sol, HPUX, AIX, Ubu

Key Phrase	Form	Return Type	Description
<mode_mask> as integer</mode_mask>	Cast	<integer></integer>	Converts the mode mask to an integer, 1-4.  Lin, Sol, HPUX, AIX, Ubu
<mode_mask> as string</mode_mask>	Cast	<string></string>	Converts the mode mask to a string, for example "rwx".  Lin, Sol, HPUX, AIX, Ubu
execute of <mode_mask></mode_mask>	Plain	<boolean></boolean>	Returns TRUE if the execute flag (x) of the rwx mode mask is on. (binary 001 = 1).  Lin, Sol, HPUX, AIX, Ubu
read of <mode_mask></mode_mask>	Plain	<boolean></boolean>	Returns TRUE if the read flag of the rwx mode mask is on. (binary 100 = 4).  Lin, Sol, HPUX, AIX, Ubu
write of <mode_mask></mode_mask>	Plain	<boolean></boolean>	Returns TRUE if the write flag (w) of the rwx mode mask is on. (binary 010 = 2).  Lin, Sol, HPUX, AIX, Ubu

## File Line

A file line is a string from a text file.

**Type Derivation:** This object type is derived from the <string> type and therefore shares the same properties as that type.

## **Creation Methods**

Key Phrase	Form	Description
line <integer> of <file></file></integer>	Numbered	Returns the nth line in a file. A file line is just a string, except that you can use the additional properties "next line" and "previous line".
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu



Key Phrase	Form	Description
line containing <string> of <file></file></string>	Named	Returns the line with the specified search string in the given file.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
line of <file></file>	Plain	Returns the lines of a specified file.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
line starting with <string> of <file></file></string>	Named	Returns a line from the given file beginning with the specified phrase.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
next line of <file line=""></file>	Plain	Returns the line after the specified line in a file (provided that it is not the last line). This Inspector can be chained indefinitely, eg., next line of next line of
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
previous line of <file line=""></file>	Plain	Returns the line before the nth line in a file, provided n>1. You may repeat this command up to three times.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

Key Phrase	Form	Return Type	Description
line number of <file line=""></file>	Plain	<integer></integer>	Returns the line number of a given line. Can be used to locate specific lines in a file.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
next line of <file line=""></file>	Plain	<file line=""></file>	Returns the line after the specified line in a file (provided that it is not the last line). This Inspector can be chained indefinitely, eg., next line of next line of  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
previous line of <file line&gt;</file 	Plain	<file line=""></file>	Returns the line before the nth line in a file, provided n>1. You may repeat this command up to three times.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

## Symlink

Symlinks, or symbolic links, are the Unix version of shortcut files (pointers to other files). Inspectors can analyze the file objects (files and folders) that symlinks point to by using the standard file Inspectors. The symlink Inspectors, on the other hand, allow you to analyze the properties of a symlink itself, not just the underlying file. There are many properties that symlinks have in common with files, such as name, pathname, parent folder, and more. In addition, a symlink has a value corresponding to the file object it points to. You can also determine if the file is available or not.

#### **Creation Methods**

Key Phrase	Form	Description
<filesystem object=""> as</filesystem>	Cast	Casts a link in the form of a file into a symlink.
symlink		Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
<symlink> as symlink</symlink>	Cast	Casts a symlink, provided for completeness.
		Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
symlink <filesystem object=""></filesystem>	Index <filesystem object="">Global</filesystem>	Creates a symlink from the specified filesystem object.
		Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
symlink <string></string>	NamedGlobal	Creates a symlink from the specified string.
		Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
symlink <string> of</string>	Named	Returns the named symlink from the specified folder.
<folder></folder>		Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
symlink <symlink></symlink>	Index <symlink>Global</symlink>	Creates a symlink from the specified symlink path, even if the symlink is broken.
		Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
symlink of <folder></folder>	Plain	Returns the symlink(s) in the specified folder, whether or not they are broken.
		NOTE: This behavior differs from looking for files in a folder. Although that returns links along with the files, it doesn't return broken links.
		Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu

### **Properties**

Key Phrase	Form	Return Type	Description
<symlink> as device file</symlink>	Cast	<device file=""></device>	Casts a symlink type as a device file type.
			Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
<symlink> as fifo file</symlink>	Cast	<fifo file=""></fifo>	Casts a symlink type as a FIFO (named pipe) file.
			Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu



Key Phrase	Form	Return Type	Description
<symlink> as file</symlink>	Cast	<file></file>	Converts a symlink object into the file it points to.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
<symlink> as folder</symlink>	Cast	<folder></folder>	Converts a symlink object into the folder it points to.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
<symlink> as socket file</symlink>	Cast	<socket file=""></socket>	Casts a symlink type as a socket file type.
			Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
<symlink> as string</symlink>	Cast	<string></string>	Casts a symlink object as a string.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
<symlink> as symlink</symlink>	Cast	<symlink></symlink>	Casts a symlink, provided for completeness.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
accessed time of <symlink></symlink>	Plain	<time></time>	Returns the last accessed time of the specified symlink.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
ancestor of <symlink></symlink>	Plain	<folder></folder>	Returns all ancestor folders (recursive parent folders) of the given symlink.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
change time of <symlink></symlink>	Plain	<time></time>	Returns the last time the specified symlink was 'changed' by either writing it or setting its inode information.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
drive of <symlink></symlink>	Plain	<filesystem></filesystem>	Returns the drive associated with the specified symlink as a <filesystem> object.</filesystem>
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
filesystem of <symlink></symlink>	Plain	<filesystem></filesystem>	Returns the filesystem on which the symlink resides.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
gid of <symlink></symlink>	Plain	<integer></integer>	Returns the group ID of the given symlink.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
group name of	Plain	<string></string>	Returns the group name of the specified symlink.
<symlink></symlink>			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
link count of <symlink></symlink>	Plain	<integer></integer>	Returns an integer corresponding to the number of hard links attached to the specified symlink.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu

Key Phrase	Form	Return Type	Description
location of <symlink></symlink>	Plain	<string></string>	Returns a string corresponding to the directory in which the symlink is located.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
modification time of <symlink></symlink>	Plain	<time></time>	Returns the time corresponding to the modification time of the specified symlink, not the file it points to.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
name of <symlink></symlink>	Plain	<string></string>	Returns a string that is the full pathname of the specified symlink.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
parent folder of <symlink></symlink>	Plain	<folder></folder>	Creates a folder object corresponding to the parent folder of the given symlink.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
pathname of <symlink></symlink>	Plain	<string></string>	Returns a string that contains the full pathname of the specified symlink.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
uid of <symlink></symlink>	Plain	<integer></integer>	The user ID of the user who owns this symlink.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
user name of <symlink></symlink>	Plain	<string></string>	Returns the symlink owner's (user's) name.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
value accessible of <symlink></symlink>	Plain	<boolean></boolean>	Returns TRUE if the pathname pointed to by the specified symlink is available. Returns FALSE if the file object is missing or unavailable with the current permissions.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
value of <symlink></symlink>	Plain	<string></string>	Returns the pathname that the symlink points to.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu

- file "/example/link" as symlink
- Returns the link (in file format) as a symlink object ("/example/link").
- symlinks of folder "/example"
- Returns a list of the symlink in the specified folder, whether or not they are broken. Note that this behavior is different from looking for files in a folder -- that will return links as well as files, but won't return broken links.
- modification time of symlink "/example/link"
- Returns the time corresponding to the modification time of the given symlink, not the file it points to.



- modification time of file "/example/link"
- Returns the time corresponding to the file object that the symlink is pointing to.

# Download Storage Folder

Before an Action executes, the download storage folder points to a temporary directory that holds the downloads for the Action. During execution of the Action, those downloads are moved to the standard BigFix \_\_Download folder and the Inspector then points there. These Inspectors return information about the currently specified download storage folder, and can be used with relevance substitution in download and prefetch Action commands.

**Type Derivation:** This object type is derived from the <folder> type and therefore shares the same properties as that type.

#### **Creation Methods**

Key Phrase	Form	Description
download storage folder	PlainGlobal	This Inspector creates a pointer to the current download storage folder.
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu

Key Phrase	Form	Return Type	Description
total size of <download folder="" storage=""></download>	Plain	<integer></integer>	Returns the amount of storage currently being used to store downloads (in bytes).
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu

# Device File

These Inspector types interrogate Unix-style device files, which contain device drivers or system resources. Unix identifies these resources by a major number and a minor number, both stored as part of a node structure. Typically, the major number identifies the device driver and the minor number identifies the particular device controlled by that driver.

**Type Derivation:** This object type is derived from the <filesystem object> type and therefore shares the same properties as that type.

#### **Creation Methods**

Key Phrase	Form	Description
<pre><filesystem object=""> as device file</filesystem></pre>	Cast	Returns a device file or nothing (if the filesystem object specified is not a device file).
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
<symlink> as device file</symlink>	Cast	Casts a symlink type as a device file type.
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
device file <filesystem object=""></filesystem>	Index <filesystem object="">Global</filesystem>	Returns the device file indicated by the specified filesystem object.
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
device file <string></string>	NamedGlobal	Returns the device file with the specified name.
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
device file <string> of <folder></folder></string>	Named	Returns the device file with the specified name in the given folder.
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
device file <symlink></symlink>	Index <symlink>Global</symlink>	Returns the device file specified by the supplied symbolic link.
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
device file of <folder></folder>	Plain	Returns the device files that exist in the specified folder.
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu

## **Properties**

Key Phrase	Form	Return Type	Description
device type of <device file=""></device>	Plain	<string></string>	Returns the device type corresponding to the give device file, as a string.
			Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu



Key Phrase	Form	Return Type	Description
drive of <device file=""></device>	Plain	<filesystem></filesystem>	Returns the drive associated with the specified device file.  Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
filesystem of <device file=""></device>	Plain	<filesystem></filesystem>	Returns the filesystem object corresponding to the specified device file.  Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
major of <device file=""></device>	Plain	<integer></integer>	Returns the major number of the specified device file. Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
minor of <device file=""></device>	Plain	<integer></integer>	Returns the minor number of the specified device file. Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu

# Fifo File

In Unix systems, a FIFO file is a named pipe that uses the file system as a way to store the pipe name. These Inspectors provide access to these named pipes.

**Type Derivation:** This object type is derived from the <filesystem object> type and therefore shares the same properties as that type.

#### **Creation Methods**

Key Phrase	Form	Description
<pre><filesystem object=""> as fifo file</filesystem></pre>	Cast	Returns a FIFO file or nothing (if the filesystem object specified is not a FIFO file).
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
<symlink> as fifo file</symlink>	Cast	Casts a symlink type as a FIFO (named pipe) file.
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
fifo file <filesystem object=""></filesystem>	Index <filesystem object="">Global</filesystem>	Returns the FIFO file (named pipe) described by the specified filesytem object.
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
fifo file <string></string>	NamedGlobal	Returns the FIFO file (named pipe) with the given name.
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
fifo file <string> of <folder></folder></string>	Named	Returns the FIFO file (named pipe) with the given name in the specified folder.
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu

Key Phrase	Form	Description
fifo file <symlink></symlink>	Index <symlink>Global</symlink>	Returns the FIFO file (named pipe) described by the specified symbolic link (symlink).
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
fifo file of <folder></folder>	Plain	Returns the list of FIFO file in the given folder.
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu

Key Phrase	Form	Return Type	Description
drive of <fifo file=""></fifo>	Plain	<filesystem></filesystem>	Returns the drive associated with the specified FIFO (named pipe) file.  Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
filesystem of <fifo file=""></fifo>	Plain	<filesystem></filesystem>	Returns the filesystem object corresponding to the specified FIFO file.  Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu

# Socket File

These Inspectors allow you to interrogate socket files, which are representations of UNIX domain sockets identified by their pathname.

**Type Derivation:** This object type is derived from the <filesystem object> type and therefore shares the same properties as that type.

#### **Creation Methods**

Key Phrase	Form	Description
<filesystem object=""> as socket file</filesystem>	Cast	Casts a given filesystem object as a socket file.  Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
<symlink> as socket file</symlink>	Cast	Casts a symlink type as a socket file type. Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
socket file <filesystem object=""></filesystem>	Index <filesystem object&gt;Global</filesystem 	Returns the socket file(s) indicated by the supplied filesystem object.  Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
socket file <string></string>	NamedGlobal	Returns the named socket file. Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu



Key Phrase	Form	Description
socket file <string> of <folder></folder></string>	Named	Returns the socket file with the given name in the specified folder.  Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
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socket file <symlink></symlink>	index <symiink>Global</symiink>	Returns the socket file(s) indicated by the supplied symlink.
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
socket file of <folder></folder>	Plain	Returns the socket file(s) in the specified folder.
		Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu

Key Phrase	Form	Return Type	Description
drive of <socket file=""></socket>	Plain	<filesystem></filesystem>	Returns the drive associated with the specified socket file.  Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
filesystem of <socket file=""></socket>	Plain	<filesystem></filesystem>	Returns the filesystem object corresponding to the specified socket file.  Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu

# System Objects

These are the keywords available for querying various aspects of the system, including the name and version of the operating sytem. This chapter also covers the keywords used to describe the vendors and types of the various processors that coexist in a typical computer system. Some of these Inspectors are system-specific, but are included to provide cross-platform compatibility.

## **Bios**

On Windows computers, this object returns strings that identify the version of the BIOS. On other computers, all bios expressions will fail gracefully, rather than generating an error.

#### **Creation Methods**

Key Phrase	Form	Description
bios	PlainGlobal	Returns the date of the bios if it exists, or <unknown> if it does not exist. This is a Windows-only command. On a non-Windows system, bios returns False.</unknown>
		Win, Lin, Sol, HPUX, AIX, Mac, Ubu

Key Phrase	Form	Return Type	Description
    	Cast	<string></string>	This Windows-only Inspector returns a string that is the concatenation of the BIOS name and date. On a non-Windows operating system, it returns FALSE.  Win, Lin, Sol, HPUX, AIX, Mac, Ubu
date of <bios></bios>	Plain	<string></string>	This Windows-only Inspector returns the date string stored in the bios. This string is formatted as MM/DD/YY. On a non-Windows operating system, it returns FALSE.  Win, Lin, Sol, HPUX, AIX, Mac, Ubu
version of <bios></bios>	Plain	<string></string>	This Windows-only Inspector returns the first string of the multi-string version stored in the bios. This string may not exist. The format depends upon your BIOS manufacturer. On a non-Windows operating system, it returns FALSE.  Win, Lin, Sol, HPUX, AIX, Mac, Ubu

# **Operating System**

The operating system object provides access to several important properties of the system.

# **Creation Methods**

Key Phrase	Form	Description
operating system	PlainGlobal	Creates the global operating system object.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

# **Properties**

Key Phrase	Form	Return Type	Description
<pre><operating system=""> as string</operating></pre>	Cast	<string></string>	Returns a string containing the name of the operating system concatenated with the release.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
architecture of <operating system=""></operating>	Plain	<string></string>	Returns the architecture of the operating system. This is the value of the 'machine' element of the utsname structure obtained by calling uname.  Lin, Sol, HPUX, AIX, Mac, Ubu
boot time of <operating system=""></operating>	Plain	<time></time>	Returns the time of the last restart.  Win, Lin, Sol, HPUX, AIX, Mac, Ubu



Key Phrase	Form	Return Type	Description
build of <operating system=""></operating>	Plain	<string></string>	Returns a string corresponding to the build number of the OS.
			Lin, Sol, HPUX, AIX, Mac, Ubu
codename of <operating system=""></operating>	Plain	<string></string>	This *NIX Inspector returns a string that corresponds to the codename of the given release. For example, Ubuntu 8.04 has the codename of 'hardy'.
			Lin:8.1, Sol:8.1, HPUX:8.1, AIX:8.1, Ubu
mac of <operating< td=""><td>Plain</td><td><boolean></boolean></td><td>Returns TRUE if the client computer is a Macintosh.</td></operating<>	Plain	<boolean></boolean>	Returns TRUE if the client computer is a Macintosh.
system>			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
name of <operating system=""></operating>	Plain	<string></string>	Returns the name of the operating system as a string. Names might include Win98, WinNT, etcetera.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
release of <operating system=""></operating>	Plain	<string></string>	Information about the release of the operating system, formatted as a <version> on the Macintosh, but a <string> on UNIX and Windows.</string></version>
			Win, Lin, Sol, HPUX, AIX, , WM, Ubu
unix of <operating system=""></operating>	Plain	<boolean></boolean>	Returns TRUE if the local computer is a UNIX system.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
uptime of <operating system=""></operating>	Plain	<time interval&gt;</time 	Returns a time interval that represents the elapsed time since the operating system was last booted.  Note: Depending on the notebook, this interval may not include time spent in hibernation.
	<u> </u>		Win, Lin, Sol, HPUX, AIX, Mac, Ubu
windows of <operating system=""></operating>	Plain	<boolean></boolean>	Returns TRUE if the local computer is a Windows system.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

- architecture of operating system starts with "9000/"
- Returns TRUE on an HP 9000 computer.
- now boot time of operating system > week
- Returns TRUE if the computer hasn't been rebooted for over a week.

# Processor

The processor object is used to identify the number and properties of processors in the system. You can identify the manufacturer of the CPU as well as the speed and other features. Many operating systems provide for multiple processors. You can inspect any one of them by their ordinal number.

• For more information on Windows processors, see the Resource section at the end of this guide.

## **Creation Methods**

Key Phrase	Form	Description
main processor	PlainGlobal	Creates the object associated with the 'Primary' processor.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
processor	PlainGlobal	Iterates through the processors in the system.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
processor <integer></integer>	NumberedGlobal	Creates the processor object for the number specified. The first processor is processor number 1.
		Win, Lin, Sol, HPUX, AIX, WM, Ubu

## **Properties**

Key Phrase	Form	Return Type	Description
family name of <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Plain	<string></string>	Returns the family name of the CPU, dependent on the type of client computer, for instance Pentium, Sparc, PowerPC G4, etcetera.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
			WIII, LIII, SOI, HEOX, AIX, Mac, WW, Obu
index of <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Plain	<integer></integer>	Returns the ordinal number of the processor on a multi processor machine.
			Lin, Sol, HPUX, AIX, Ubu
model of <pre></pre>	Plain	<string></string>	Returns the model number of the CPU as a string.  • Note: On Windows and Linux platforms, this Inspector returns an integer.  Sol, HPUX, AIX
speed of <pre>cprocessor&gt;</pre>	Plain	<hertz></hertz>	Returns the speed of the processor in Hertz.
speed of Sprocessors	I Idiii	CHERE?	Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
state of <pre><pre>cessor&gt;</pre></pre>	Plain	<string></string>	Returns the current processor state, which can be "online", "offline", "poweroff", or "unknown".
			Sol, HPUX
version of <pre><pre>cessor&gt;</pre></pre>	Plain	<string></string>	The hardware version of the cpu.
			HPUX



- number of processors > 1
- ▶ Returns TRUE if the computer is a multi-processor system.
- number of processors whose (family name of it contains "Pentium")
- Returns the number of Pentium chips in the computer.
- speed of main processor < 2000 \* MHz
- Returns TRUE is the cpu is slower than 2Ghz.
- version of main processor
- Returns a string like "PA-RISC 2.0".

## Ram

The ram object is used to inspect properties of the computer's random access memory.

#### **Creation Methods**

Key Phrase	Form	Description
ram	PlainGlobal	Creates the object that can be accessed to inspect the amount of ram on the machine.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
random access memory	PlainGlobal	Same as 'ram'.
		Win, Lin, Sol, HPUX, AIX, WM, Ubu

Key Phrase	Form	Return Type	Description
free amount of <ram></ram>	Plain	<integer></integer>	Returns the amount of system RAM currently unused, in bytes.  Lin, Sol, HPUX, AIX, Ubu
size of <ram></ram>	Plain	<integer></integer>	Returns the number of bytes of random access memory on the current machine.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
total amount of <ram></ram>	Plain	<integer></integer>	Same as size of <ram>.  Lin, Sol, HPUX, AIX, Ubu</ram>
used amount of <ram></ram>	Plain	<integer></integer>	Returns the amount of system RAM currently used, in bytes.  Lin, Sol, HPUX, AIX, Ubu

- size of ram / (1024 \* 1024)
- Returns the size of RAM in megabytes.

# Service

These Inspectors provide access to all services configured on Windows NT, 2K and XP systems. On a non-Windows system, expressions using these objects will fail gracefully instead of generating an error.

#### **Creation Methods**

Key Phrase	Form	Description
main gather service	PlainGlobal	Returns a service object for the main gathering service, typically located on the main server.
		Note: On a Macintosh, returns <nothing>. Included for compatibility.</nothing>
		Win, Lin, Sol, HPUX, AIX, , Ubu
relay service	PlainGlobal	Returns a service object for the relay component of BES.  • Note: On a Macintosh, this returns <nothing>.</nothing>
		Win, Lin, Sol, HPUX, AIX, , Ubu
running service <string></string>	NamedGlobal	Creates the running service object for the specified name.
		Win, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu
service <string></string>	NamedGlobal	Returns the service object matching the name provided, regardless of its running state.
		On a Macintosh, returns a <dummy> type.</dummy>
		Win, Lin, Sol, HPUX, AIX, , Ubu

# **Properties**

Key Phrase	Form	Return Type	Description
state of <service></service>	Plain	<string></string>	Returns one of Continuing, Pausing, Paused, Running, Starting, Stopping, Stopped, Unknown.  Win, Lin, Sol, HPUX, AIX, Ubu
version of <service></service>	Plain	<version></version>	This Inspector takes the specified service property and retrieves its version (file version).  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Ubu



- version of service "BESClient"
- Returns a version number, such as '8.0.584.0'.

## **Process**

Processes allocate the various resources needed to execute a program. Processes have a process identifier, a virtual address space, associated code, a priority class, security settings, environment variables, min and max working set sizes, and at least one executing thread. Processes are typically started with a single primary thread which in turn can spawn additional threads.

#### **Creation Methods**

Key Phrase	Form	Description
process	PlainGlobal	Returns all process objects currently running.
		Win:8.0, Lin, Sol, HPUX, AIX, Mac, Ubu
process <integer></integer>	NumberedGlobal	Returns the process object corresponding to the given integer pid.
		Lin, Sol, HPUX, AIX, Mac, Ubu
process <string></string>	NamedGlobal	Returns the process object corresponding to the name specified by <string>.</string>
		Lin, Sol, HPUX, AIX, Ubu

Key Phrase	Form	Return Type	Description
id of <pre><pre>cess&gt;</pre></pre>	Plain	<integer></integer>	Returns the integer ID of the specified process.
			Win:8.0, Lin, Sol, HPUX, AIX, Mac, Ubu
name of <pre><pre>cess&gt;</pre></pre>	Plain	<string></string>	Returns the name (as a string) of the specified process.
			Win:8.0, Lin, Sol, HPUX, AIX, Mac, Ubu
pid of <pre>cess&gt;</pre>	Plain	<integer></integer>	Returns the integer process ID for the specified process.  Lin, Sol, HPUX, AIX, Mac, Ubu
process id of <pre><pre><pre>process&gt;</pre></pre></pre>	Plain	<integer></integer>	Returns the integer process ID for the specified process.  Lin, Sol, HPUX, AIX, Mac, Ubu

- names of processes whose (pid of it < 20)
- Returns a list of all process with an ID less than 20.

# Swap

This object lets you inspect the properties of your swap space.

## **Creation Methods**

Key Phrase	Form	Description
swap	PlainGlobal	Creates an object containing information about the swap partition.
		Lin, HPUX, AIX, Ubu

# **Properties**

Key Phrase	Form	Return Type	Description
free amount of <swap></swap>	Plain	<integer></integer>	Returns the amount of the swap partition currently unused, in bytes.
			Lin, HPUX, AIX, Ubu
size of <swap></swap>	Plain	<integer></integer>	Returns the size, in bytes, of the swap partition.
			Lin, HPUX, AIX, Ubu
total amount of <swap></swap>	Plain	<integer></integer>	Same as size of <swap>.</swap>
			Lin, HPUX, AIX, Ubu
used amount of <swap></swap>	Plain	<integer></integer>	Returns the amount of the swap partition currently in use, in bytes.
			Lin, HPUX, AIX, Ubu



# Language

A language is composed of a primary language (for example, Swiss) and a sub-language (for example, Swiss German).

## **Creation Methods**

Key Phrase	Form	Description
system locale	PlainGlobal	Determines which bitmap fonts, and OEM, ANSI, and MAC code pages are defaults for the system. This only affects applications that are not fully Unicode.  Win, Lin, Sol, HPUX, AIX, WM, Ubu
system ui language	PlainGlobal	Determines the default language of menus and dialogs, messages, INF files, and help files.  Win, Lin, Sol, HPUX, AIX, WM, Ubu

# **Properties**

Key Phrase	Form	Return Type	Description
<language> as string</language>	Cast	<string></string>	Returns the language of the system locale.  Win, Lin, Sol, HPUX, AIX, WM, Ubu
platform id of <language></language>	Plain	<string></string>	Returns the string resulting from a call to setlocale(LC_TYPE, ""). This call examines the system environment and returns a string representing the language and character set for any text-related system function. The string is of the form "en_US.UTF-8".  Lin, Sol, HPUX, AIX, Ubu
primary language of <language></language>	Plain	<pre><pre><pre><pre><pre>def</pre></pre></pre></pre></pre>	Extracts the primary language identifier from a language.  Win, Lin, Sol, HPUX, AIX, WM, Ubu

# **Examples**

- system locale as string
- Returns English (United States) if the system locale is US English.

# Primary Language

A primary language identifier indicates the written/spoken language that is used by the system. However, to identify the language that is used in a country or region you must combine the primary language with a sub-language identifier to form language identifiers.

#### **Creation Methods**

Key Phrase	Form	Description
primary language of	Plain	Extracts the primary language identifier from a language.
<language></language>		Win, Lin, Sol, HPUX, AIX, WM, Ubu

#### **Properties**

Key Phrase	Form	Return Type	Description
<pre><pre><pre><pre><pre><pre><pre>string</pre></pre></pre></pre></pre></pre></pre>	Cast	<string></string>	Returns the primary language. Win, Lin, Sol, HPUX, AIX, WM, Ubu

#### **Examples**

- primary language of system locale
- Returns "English" for an English-language system.

# Runlevel

The runlevel Inspectors refer to a mode of operation in various Unix systems. Typically, when a computer enters runlevel zero, it halts and when it enters runlevel six, it reboots. The intermediate runlevels differ widely among operating systems.

#### **Creation Methods**

Key Phrase	Form	Description
runlevel	PlainGlobal	Returns the current runlevel of the local machine.
		Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu

# **Properties**

Key Phrase	Form	Return Type	Description
<runlevel> as string</runlevel>	Cast	<string></string>	Casts a runlevel object as a string.
			Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu



Key Phrase	Form	Return Type	Description
effective time of <runlevel></runlevel>	Plain	<time></time>	Returns the time at which the runlevel was set to its current value.  Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu
value of <runlevel></runlevel>	Plain	<string></string>	Returns the current runlevel. It evaluates to a platform-dependent string indicating the current runlevel. For instance, on Linux the value '3' indicates runlevel 3 and 'S' indicates single user mode.  Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Ubu

# Site Objects

These keywords query the properties of Fixlet sites to which the client is subscribed.

# Site

A Site object is provided to access properties of Fixlet sites.

## **Creation Methods**

Key Phrase	Form	Description
current site	PlainGlobal	Creates the site object corresponding to the site that provided the current Fixlet.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
site	PlainGlobal	Iterates through all the sites.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
site <string></string>	NamedGlobal	Creates the site object that corresponds to the name provided. The name is interpreted as a site locator and is therefore a URL.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
site of <fixlet></fixlet>	Plain	Returns the site corresponding to the specified Fixlet message.
		Win:8.1, Lin:8.1, Sol:8.1, HPUX:8.1, AIX:8.1, Mac:8.1, Ubu

Key Phrase	Form	Return Type	Description
client folder of <site></site>	Plain	<folder></folder>	The folder containing the site content on the client machine. Site content is gathered into this location.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
fixlet of <site></site>	Plain	<fixlet></fixlet>	Iterates through the Fixlet messages of the specified site.
	 		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
gather schedule authority of <site></site>	Plain	<string></string>	Returns a string corresponding to the authority of the site schedule, for example: Publisher, Custom, Manual or Disabled.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
gather schedule time interval of <site></site>	Plain	<time interval&gt;</time 	Returns the time interval between automatic gathering of site content.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
group <integer> of <site></site></integer>	Numbered	<site group&gt;</site 	Returns an object corresponding to the numbered group of the specified site.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
last gather time of <site></site>	Plain	<time></time>	Returns the time of last successful gathering from the site.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
masthead of <site></site>	Plain	<file></file>	Each site has a masthead, and the masthead is saved into the site data folder upon successful creation. This property returns a file object that corresponds to the copy in the site data folder.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
name of <site></site>	Plain	<string></string>	The name of the site.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
relevant fixlet of <site></site>	Plain	<fixlet></fixlet>	Iterates through the Relevant Fixlet messages for the specified site.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
relevant offer action of <site></site>	Plain	<action></action>	Returns the list of relevant actions that are offers for the specified site. This Inspector could be useful in a client UI dashboard listing the current set of relevant offers.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
setting <string> of <site></site></string>	Named	<setting></setting>	Returns the setting whose name matches the string provided from the Fixlet site settings.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu



Key Phrase	Form	Return Type	Description
setting of <site></site>	Plain	<setting></setting>	Returns one or more settings from the site settings.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
site tag of <site></site>	Plain	<string></string>	Returns the last component of the specified site's url, eg. 'actionsite', 'enteprisesecurity', etcetera.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
site version list of <site></site>	Plain	<site list="" version=""></site>	Returns the last gathered site version list (manyversion) of the specified site.
			Win:7.0, Lin:7.1, Sol:7.1, HPUX:7.1, AIX:7.0, Mac:7.1, WM, Ubu
subscribe time of <site></site>	Plain	<time></time>	Returns the time that the current machine began subscribing to the site.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
type of <site></site>	Plain	<string></string>	Returns one of the following 4 literal strings:
			Master Action Site
			Operator Site
			• Custom Site
			• Fixlet Site.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
url of <site></site>	Plain	<string></string>	Returns the Locator found in the masthead. A site locator is used to synchronize with the site. It normally contains the URL of a remote file system folder, or the URL of a cgi-bin program that provides a remote directory listing of the site.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
version of <site></site>	Plain	<integer></integer>	Returns the version number of the site content.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

NOTE: The 'as string' property yields a string formatted with the site name.

## **Examples**

- exists site "actionsite"
- ▶ TRUE when the action site exists on the target machine.
- exists file "siteicon.bmp" of client folder of current site
- TRUE if the specified file exists in the client folder.
- last gather time of current site > now 30 \* day
- Return TRUE if it has been over 30 days since last gathering, or synchronizing, with the site.

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- last gather time of current site < time "4 Aug 1997 01:00 pdt"
- Returns TRUE if the site was last synchronized before the specified date.
- modification time of masthead of current site < time "4 Aug 1997 01:00 pdt"
- Returns TRUE if the masthead of the current site is older than the specified date.

# Site Group

These Inspectors return information on the automatic groups defined for a given site.

#### **Creation Methods**

Key Phrase	Form	Description
group <integer> of <site></site></integer>	Numbered	Returns an object corresponding to the numbered group of the specified site.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

## **Properties**

Key Phrase	Form	Return Type	Description
id of <site group=""></site>	Plain	<integer></integer>	Returns the numeric ID of the specified site group. This is the number assigned to an automatic group when it is first defined.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
member of <site group=""></site>	Plain	<boolean></boolean>	Returns TRUE if the current computer is a member of the specified group.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

# Site Version List

These Inspectors examine the multidimensional version numbers (ManyVersions) that are used by the Database to reconcile reconnected sites after a DSA failback event.

#### **Creation Methods**

Key Phrase	Form	Description
site version list of <site></site>	Plain	Returns the last gathered site version list (manyversion) of the specified site.
		Win:7.0, Lin:7.1, Sol:7.1, HPUX:7.1, AIX:7.0, Mac:7.1, WM, Ubu



# **Fixlet Objects**

These Inspectors return information about individual Fixlets.

# **Fixlet**

These Inspectors can provide important information about the Fixlet messages at any site. These Inspectors only work in the context of property evaluation, not Fixlet evaluation.

#### **Creation Methods**

Key Phrase	Form	Description
current analysis	PlainGlobal	This Client Inspector is used to locate the site corresponding to the current analysis in order to look at certain related files. This is helpful for SCM content that resides in Fixlet sites and can be copied to custom sites. The value of 'current analysis' will move with the copy. In the Client context, this Inspector has global scope and returns a Fixlet.
		Note: When used in a session context, this Inspector has a scope limited to the BES Fixlet.
		Win:8.1, Lin:8.1, Sol:8.1, HPUX:8.1, AIX:8.1, Mac:8.1, Ubu
fixlet of <site></site>	Plain	This Inspector iterates over all the Fixlet messages in the given site.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
relevant fixlet of <site></site>	Plain	Iterates over all the relevant Fixlet messages in the specified site.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

Key Phrase	Form	Return Type	Description
header <string> of <fixlet></fixlet></string>	Named	<fixlet_header></fixlet_header>	Returns the named header (case insensitive) of the specified Fixlet message. Fixlet headers are name:value pairs.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
header of <fixlet></fixlet>	Plain	<fixlet_header></fixlet_header>	Iterates over all the headers of the Fixlet message.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
id of <fixlet></fixlet>	Plain	<integer></integer>	Returns the numeric ID number of the specified Fixlet message.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

Key Phrase	Form	Return Type	Description
relevance of <fixlet></fixlet>	Plain	<boolean></boolean>	Returns a boolean TRUE or False, depending on the Relevance of the specified Fixlet message.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
site of <fixlet></fixlet>	Plain	<site></site>	Returns the site corresponding to the specified Fixlet message.  Win:8.1, Lin:8.1, Sol:8.1, HPUX:8.1, AIX:8.1, Mac:8.1, Ubu

# Fixlet header

Fixlet headers are name:value pairs that can provide important information about the Fixlet messages at any site. These Inspectors only work in the context of property evaluation, not Fixlet evaluation.

#### **Creation Methods**

Key Phrase	Form	Description
header <string> of <fixlet></fixlet></string>	Named	Returns the named header (case insensitive) of the specified Fixlet message. Fixlet headers are name:value pairs.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
header of <fixlet></fixlet>	Plain	Iterates over all the headers of the Fixlet message.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

# **Properties**

Key Phrase	Form	Return Type	Description
name of <fixlet_header></fixlet_header>	Plain	<string></string>	Headers are name:value pairs, separated by a colon. This Inspector returns the name on the left hand side of the pair.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
value of <fixlet_header></fixlet_header>	Plain	<string></string>	Headers are name:value pairs, separated by a colon. This Inspector returns the value on the right hand side of the pair.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

# **Examples**

- number of relevant fixlets whose (value of header "x-fixlet-source-severity" of it as lowercase = "critical") of site "enterprise security".
- Returns the number of critical fixlets in the Enterprise Security site.



# Client Objects

These Inspectors retrieve information about the application containing the relevance evaluator.

# Client

The client object allows access to properties of the client application hosting the relevance evaluation, typically a BigFix program. In addition, the client maintains a collection of settings with both name and value properties that are inspectable using the client object. These Inspectors share properties of application types, such as version and size.

**Type Derivation:** This object type is derived from the <application> type and therefore shares the same properties as that type.

## **Creation Methods**

Key Phrase	Form	Description
client	PlainGlobal	Returns the client object corresponding to the BigFix application evaluating the current relevance expression.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

Key Phrase	Form	Return Type	Description
administrator <string> of <cli>client&gt;</cli></string>	Named	<setting></setting>	If the administrator named in the <string> is enabled on the given <client> computer, this property returns a setting with the given name and the value 'allow.' For instance, if the name of the administrator is joe_admin, then the client would return a setting object with the name 'joe_admin' and a value of 'allow'. Casting this as a string would return 'joe_admin=allow'.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu</client></string>
administrator of <client></client>	Plain	<setting></setting>	Returns one or more settings each representing an administrator of the client.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
brand of <client></client>	Plain	<string></string>	Returns the branding ID of a client computer. BigFix is the norm, but there are other brands that use the technology, including Trend Micro.  Win:8.1, Lin:8.1, Sol:8.1, HPUX:8.1, AIX:8.1, Mac:8.1, Ubu

Key Phrase	Form	Return Type	Description
evaluationcycle of <client></client>	Plain	<evaluation cycle=""></evaluation>	Returns an object corresponding to the time it takes to evaluate the content set on the specified BigFix Client.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
registration address of <cli>ent&gt;</cli>	Plain	<ipv4or6 address=""></ipv4or6>	This Inspector returns the IP address (as an <ipv4or6 address=""> type) that the specified BigFix client registered with.</ipv4or6>
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
registration cidr address of <client></client>	Plain	<string></string>	This Inspector returns the cidr address from the adapter that the specified BigFix client registered with.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
registration mac address of <client></client>	Plain	<string></string>	This Inspector returns the MAC address that the specified BigFix client registered with.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
registration subnet address of <client></client>	Plain	<ipv4or6 address=""></ipv4or6>	This Inspector returns the subnet address (as an <ipv4or6 address=""> type) from the adapter that the specified BigFix client registered with.</ipv4or6>
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
setting <string> of <cli>client&gt;</cli></string>	Named	<setting></setting>	Returns a client setting whose name matches the string provided from the client settings.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
setting of <client></client>	Plain	<setting></setting>	Returns one or more settings from the client settings.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
upload progress of <client></client>	Plain	<string></string>	Returns a status message string indicating No Progress, Errors or a string like the following to indicate the upload progress:
			• <filename>: x of <filesize> bytes in <number> seconds.</number></filesize></filename>
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
version of <client></client>	Plain	<version></version>	The product version of the BES application (BESClient or QnA).
			Note: On the Macintosh only, this Inspector returns a <string>.</string>
			Lin, Sol, HPUX, AIX, Mac:7.1, Ubu

- registration mac address of client
- ▶ Returns a MAC address such as 00-1e-c9-4d-ce-5c.



- version of client as string
- ▶ Returns a string like "4.0.3.7".

# Setting

A setting is a simple object with name and value properties. It is a property of a client, or a property of a site. Settings of a site have a site scope. Settings of the client have a client scope. See the 'setting' commands in the action guide for more details.

#### **Creation Methods**

Key Phrase	Form	Description
administrator <string> of <cli>ent&gt;</cli></string>	Named	Creates a setting with the given name on the given <pre><cli>client&gt; computer.</cli></pre>
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
administrator of <client></client>	Plain	Returns one or more settings each representing an administrator of the client.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
setting <string> of <client></client></string>	Named	Returns the setting whose name matches the string provided from the client settings.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
setting <string> of <site></site></string>	Named	Returns the setting whose name matches the string provided from the site settings.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
setting of <client></client>	Plain	Returns one or more settings from the client settings.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
setting of <site></site>	Plain	Returns one or more settings from the site settings.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

Key Phrase	Form	Return Type	Description
<setting> as string</setting>	Cast	<string></string>	Returns a string formatted as <name>=<value> for the setting.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu</value></name>
			WIII, LIII, SOI, HPOA, AIA, Wac, WW, Obu
effective date of <setting></setting>	Plain	<time></time>	Returns the date when the setting was last modified.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
enabled of <setting></setting>	Plain	<boolean></boolean>	Returns TRUE if the specified setting is enabled.
			Win:7.0, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

Key Phrase	Form	Return Type	Description
name of <setting></setting>	Plain	<string></string>	Returns the name of the setting.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
value of <setting></setting>	Plain	<string></string>	Returns the value of the setting.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

- names of settings of site "actionsite"
- Returns the names of all the settings of the site named "actionsite".

# Selected Server

These Inspectors return information about the BES Server or BES Relay to which the BigFix agent reports.

## **Creation Methods**

Key Phrase	Form	Description
selected server	PlainGlobal	The BES Server or BES Relay to which the agent reports. Returned as the "selected server" type.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

# **Properties**

Key Phrase	Form	Return Type	Description
competition size of <selected server=""></selected>	Plain	<integer></integer>	The number of servers in the competition from which this server was selected.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
competition weight of <selected server=""></selected>	Plain	<integer></integer>	The total of the weights of the servers in the competition from which this server was selected.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
distance of <selected server=""></selected>	Plain	<integer range=""></integer>	The distance, in IP gateway hops, to the server. Among servers with the same priority, closer servers are preferred. Returns an integer range, since the exact distance may not be known.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu



Key Phrase	Form	Return Type	Description
full gateway address of <selected server=""></selected>	Plain	<ipv4or6 address&gt;</ipv4or6 	During relay selection, a traceroute-like list of the hops between the client and its relay (the selected server) is recorded. That list is accessible through this Inspector. Unlike the 'gateway address' Inspector, this Inspector includes hops that don't reply as 0.0.0.0.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
gateway address <integer> of <selected server&gt;</selected </integer>	Numbered	<ipv4or6 address=""></ipv4or6>	During relay selection, a traceroute-like list of the hops between the client and its relay (the selected server) is recorded. The elements of that list is accessible through this Inspector.  • Prior to version 8.0, this inspector returned an <ipv4 address=""> type.</ipv4>
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
gateway address of <selected server=""></selected>	Plain	<ipv4or6 address&gt;</ipv4or6 	During relay selection, a traceroute-like list of the hops between the client and its relay (the selected server) is recorded. That list is accessible through this Inspector. However, this Inspector ignores hops that don't reply. If you need the full list, use the 'full gateway address' Inspector.  • Prior to version 8.0, this inspector returned an <ipv4 address=""> type.</ipv4>
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
ip address of <selected server=""></selected>	Plain	<ipv4or6 address&gt;</ipv4or6 	The ipv4or6 address to which reports are sent.  • Prior to version 8.0, this inspector returned an <ipv4 address=""> type.</ipv4>
	D		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
name of <selected server=""></selected>	Plain	<string></string>	The DNS name of the server, if known.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
port number of <selected server=""></selected>	Plain	<integer></integer>	The port number to which reports are sent.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
priority of <selected server=""></selected>	Plain	<integer></integer>	The priority assigned to the server by the BES console. Servers with low priorities are preferred to servers with high priority.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
weight of <selected server=""></selected>	Plain	<integer></integer>	The weight assigned to the server by the BES console. Servers with the same priority and approximate distance compete to be chosen; servers with higher weights are more likely to be chosen.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

# **Current Relay**

These Inspectors refer to the BES Server or Relay that the client last registered with.

## **Creation Methods**

Key Phrase	Form	Description
current relay	PlainGlobal	Returns an object corresponding to the server or relay that the client last registered with. This may be a BES Relay or the BES root server.
		Win:7.0, Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Mac:7.1, WM, Ubu

## **Properties**

Key Phrase	Form	Return Type	Description
version of <current relay=""></current>	Plain	<version></version>	Returns a version object that is the version of the server that the client last registered with. This may be a BES Relay or the BES root server.  Win:7.0, Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Mac:7.1, WM, Ubu

# **Root Server**

These Inspectors refer to the root server that the Bes Client is currently connected to.

## **Creation Methods**

Key Phrase	Form	Description
root server	PlainGlobal	Returns an object representing the root BES Server to which the client last registered.
		Win:7.0, Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Mac:7.1, WM, Ubu

# **Properties**

Key Phrase	Form	Return Type	Description
host name of <root server&gt;</root 	Plain	<string></string>	The host (DNS) name of the BES root server that the BES Client last registered with.  Win:7.0, Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Mac:7.1, WM, Ubu
id of <root server=""></root>	Plain	<integer></integer>	The DSA Server ID of the BES root server that the BES Client last registered with.  Win:7.0, Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Mac:7.1, WM, Ubu



# **Evaluation Cycle**

An Evaluation cycle represents a complete run through all the content available on the BigFix Client, measured in milliseconds. These Inspectors return statistics based on the time sampled whenever the client returns to the beginning of its content set. These Inspectors require a Client context.

#### **Creation Methods**

Key Phrase	Form	Description
evaluationcycle of <client></client>	Plain	Returns an object corresponding to the time it takes to evaluate the content set on the specified BigFix Client.
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

## **Properties**

Key Phrase	Form	Return Type	Description
average of <evaluation cycle=""></evaluation>	Plain	<integer></integer>	Returns the average time, in milliseconds, that it takes to evaluate a given BigFix Client content set. The average is based on the last ten cycles.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
maximum of <evaluation cycle=""></evaluation>	Plain	<integer></integer>	Returns the maximum time, in milliseconds, that it takes to evaluate a given BigFix Client content set.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

## **Examples**

- average of evaluationcycle of client
- ▶ Returns the average evaluation cycle time in milliseconds.

# **Application Usage Summary**

To enable these Inspectors, you first need to create the client setting

\_BESClient\_UsageManager\_EnableAppUsageSummary and initialize it to 1. You must also configure the set of applications to monitor by creating the client setting

\_BESClient\_UsageManager\_EnableAppUsageSummaryApps and initializing it to a list of apps to include (or exclude). The value of this setting should look like +:app1:app2:app3: to add apps to the scope, and -:app1:app2: to exclude apps. The case is ignored. For instance, to only track summary usage on the Word application, use the value +:winword.exe:.

#### **Creation Methods**

Key Phrase	Form	Description
application usage summary	PlainGlobal	Returns an application usage summary containing information including the start time, duration and other statistics on client applications.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
application usage summary <string></string>	NamedGlobal	Returns the usage summary for the application specified in <string>.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu</string>

#### **Properties**

Key Phrase	Form	Return Type	Description
first start time of <application usage<br="">summary&gt;</application>	Plain	<time></time>	Returns the start time of the specified application since the computer was configured to track it, regardless of reboots.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
instance of <application summary="" usage=""></application>	Plain	<application instance="" summary="" usage=""></application>	Returns a list of all the instances of a specified application usage summary.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
last start time of <application usage<br="">summary&gt;</application>	Plain	<time></time>	Returns the last time this specified application was started.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
last time seen of <application usage<br="">summary&gt;</application>	Plain	<time></time>	Returns the last time this specified application was seen running. Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
name of <application summary="" usage=""></application>	Plain	<string></string>	Returns the names of the applications that are currently enabled for usage summaries.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu



Key Phrase	Form	Return Type	Description
running of <application summary="" usage=""></application>	Plain	<boolean></boolean>	Returns TRUE if the specified application is currently running.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
total duration of <application usage<br="">summary&gt;</application>	Plain	<time interval&gt;</time 	Returns the total elapsed time that the specified application has been running.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
total run count of <application usage<br="">summary&gt;</application>	Plain	<integer></integer>	Returns the number of times that the specified application has been run since the client was configured to track it.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

# Application Usage Summary Instance

These Inspectors return information about the multiple instances of specific applications.

## **Creation Methods**

Key Phrase	Form	Description
instance of <application summary="" usage=""></application>	Plain	Returns a list of all the instances of a specified application usage summary.
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

Key Phrase	Form	Return Type	Description
first start time of <application usage<br="">summary instance&gt;</application>	Plain	<time></time>	Returns the start time of the specified application instance since the computer was configured to track it, regardless of reboots.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
last start time of <application usage<br="">summary instance&gt;</application>	Plain	<time></time>	Returns the last time this specified application was started. Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
last time seen of <application usage<br="">summary instance&gt;</application>	Plain	<time></time>	Returns the last time this specified application was seen running. Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

# Tivoli Endpoint Manager

Key Phrase	Form	Return Type	Description
name of <application instance="" summary="" usage=""></application>	Plain	<string></string>	Returns the name(s) of the application instance(s) currently enabled for usage summaries.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
size of <application usage summary instance&gt;</application 	Plain	<integer></integer>	Returns the size of the specified application instance. Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
string version of <application usage<br="">summary instance&gt;</application>	Plain	<string></string>	Returns the version of the specified application instance as a string value.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
total duration of <application usage<br="">summary instance&gt;</application>	Plain	<time interval&gt;</time 	Returns the total elapsed time that the specified application instance has been running.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
total run count of <application usage<br="">summary instance&gt;</application>	Plain	<integer></integer>	Returns the number of times that the specified application instance has been run since the client was configured to track it.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
version of <application instance="" summary="" usage=""></application>	Plain	<version></version>	Returns the version of the specified application instance. Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu



# License Objects

These Inspectors retrieve information about the licensing of particular BigFix products.

# License

These Inspectors are available to inspect the properties of the deployment license.

# **Creation Methods**

Key Phrase	Form	Description
bes license	PlainGlobal	Synonym for 'client license'.
		Win:7.0, Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Mac:7.1, WM, Ubu
client license	PlainGlobal	Creates the global object containing client licensing information.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

Key Phrase	Form	Return Type	Description
allow unmentioned site of <license></license>	Plain	<boolean></boolean>	If this property is TRUE, then the deployment is allowed to use sites that aren't mentioned in the license of any BES products. If FALSE, those sites will not be usable.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
common name of <li>clicense&gt;</li>	Plain	<string></string>	Returns the name of the person (such as John Smith) who requested the action site license.  Win, Lin, Sol, HPUX, AIX, Mac:7.1, WM, Ubu
email address of <li>cense&gt;</li>	Plain	<string></string>	Returns the email address of the person (such as John_Smith@bigcorp.com) who requested the action site license.  Win, Lin, Sol, HPUX, AIX, Mac:7.1, WM, Ubu
encryption certificate of <li>clicense&gt;</li>	Plain	<x509 certificate&gt;</x509 	Provides the encryption certificate that is currently active and which will be used by clients to encrypt reports.  Win:7.1, Lin:7.1, Sol:7.1, HPUX:7.1, AIX:7.1, Mac:7.1, WM, Ubu
evaluation of <license></license>	Plain	<boolean></boolean>	Returns TRUE if client is running an evaluation license. Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

Key Phrase	Form	Return Type	Description
expiration date of	Plain	<time></time>	Returns date when license will expire.
<li><li><li><li></li></li></li></li>			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
expiration state of <pre></pre>	Plain	<string></string>	Returns a string, one of "Unrestricted", "Grace" or "Restricted".
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
fips mode of <license></license>	Plain	<boolean></boolean>	Returns TRUE if the BES action masthead specifies that applications (the client, console, or web reports, depending on the context) in the deployment should operate in FIPS 140-2 compliant mode.
			Win:7.1, Lin:7.1, Sol:7.1, HPUX:7.1, AIX:7.1, Mac:7.1, WM, Ubu
gather url of <license></license>	Plain	<string></string>	Returns the gather URL for the deployment's main Action site as specified in the deployment masthead.
			Win:7.0, Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Mac:7.1, WM, Ubu
maximum seat count of <li>clicense&gt;</li>	Plain	<integer></integer>	Returns maximum seat count allowed by the license.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
organization of <license></license>	Plain	<string></string>	Returns the organization of the person (such as Bigcorp, Inc.) who requested the action site license.
			Win, Lin, Sol, HPUX, AIX, Mac:7.1, WM, Ubu
product of <license></license>	Plain	 cbes product>	Returns BES product objects obtained from the product fields of the specified license.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
registrar number of <li>clicense&gt;</li>	Plain	<integer></integer>	A unique number assigned to the issuer of the Action Site certificate.
			Win, Lin, Sol, HPUX, AIX, Mac:7.1, WM, Ubu
seat count state of <pre></pre>	Plain	<string></string>	Returns one of "Unrestricted", "Grace" or "Restricted".
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
seat of <license></license>	Plain	<integer></integer>	The license number assigned to the client.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
site number of <license></license>	Plain	<integer></integer>	A unique number assigned to the Action Site certificate.
			Win, Lin, Sol, HPUX, AIX, Mac:7.1, WM, Ubu
start date of <license></license>	Plain	<time></time>	The starting date specified for the BigFix license.
			Win, Lin, Sol, HPUX, AIX, Mac:7.1, WM, Ubu



Key Phrase	Form	Return Type	Description
type of <license></license>	Plain	<string></string>	Returns the string that was assigned to the license when it was authorized by BigFix.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

- maximum seat count of bes license
- Returns the current number of BigFix Clients allowed by this license.

## **BES Product**

A BigFix license can include more than one product. Each product has an expiration date and a maximum seat count for any type of computer, or by non-windows server, windows server, or workstation. Each product also has a name and a list of site urls. For example, a patch management product might include site urls pointing to the individual patch sites.

#### **Creation Methods**

Key Phrase	Form	Description
product of <license></license>	Plain	Returns BES product objects obtained from the product fields of the specified license.
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

Key Phrase	Form	Return Type	Description
computer count of <bes product=""></bes>	Plain	<integer></integer>	Returns the number of computers allowed under the license terms of the specified BES product.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
expiration date of <bes product=""></bes>	Plain	<date></date>	Returns the expiration date for the specified bes product.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
name of <bes product=""></bes>	Plain	<string></string>	Returns the name of the specified licensed BES product. Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
non windows server count of <bes product=""></bes>	Plain	<integer></integer>	Returns the number of non-Windows servers included in the license for the specified BES Product.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

Key Phrase	Form	Return Type	Description
site url of <bes product=""></bes>	Plain	<string></string>	Returns a list of the URLs associated with the specified BES product.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
windows server count of    	Plain	<integer></integer>	Returns the number of Windows Servers licensed for the specified product. Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
workstation count of <bes product=""></bes>	Plain	<integer></integer>	Returns the number of workstations licensed for the specified product. Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

# **Environment Objects**

The environment objects are provided to access environment variables. Note that you are inspecting the environment of the application executing the relevance clause (typically the BigFix Agent/Client), which may or may not match the environment of other applications on the computer.

#### Environment

Environment variables define a particular set of paths and variables for a computer or an application. These Inspectors let you examine this set.

## **Creation Methods**

Key Phrase	Form	Description
environment	PlainGlobal	Creates the one and only environment object.
		Win, Lin, Sol, HPUX, AIX, Mac, Ubu

## **Properties**

Key Phrase	Form	Return Type	Description
variable <string> of <environment></environment></string>	Named	<environment variable=""></environment>	Returns an environment variable that matches the given name.  Win, Lin, Sol, HPUX, AIX, Mac, Ubu
variable of <environment></environment>	Plain	<environment variable=""></environment>	Iterates through all the environment variables defined. Win, Lin, Sol, HPUX, AIX, Mac, Ubu



- exists environment
- ▶ TRUE if the computer has an environment object.

# **Environment Variable**

Every variable defined by the environment has both a name and a value. Both names and values are treated as strings.

#### **Creation Methods**

Key Phrase	Form	Description
variable <string> of <environment></environment></string>	Named	Creates the variable of the environment matching the name provided. The capitalization of the name is ignored.
		Win, Lin, Sol, HPUX, AIX, Mac, Ubu
variable of <environment></environment>	Plain	Iterates through all the environment variables defined.
		Win, Lin, Sol, HPUX, AIX, Mac, Ubu

## **Properties**

Key Phrase	Form	Return Type	Description
<environment variable=""> as string</environment>	Cast	<string></string>	Casting the variable as a string yields a string containing the variable name and the value of the variable separated by ' = '.
			Win, Lin, Sol, HPUX, AIX, Mac, Ubu
name of <environment variable=""></environment>	Plain	<string></string>	Returns the name of the variable.
			Win, Lin, Sol, HPUX, AIX, Mac, Ubu
value of <environment variable=""></environment>	Plain	<string></string>	Returns the value of the variable.
			Win, Lin, Sol, HPUX, AIX, Mac, Ubu

## **Examples**

- exists variable "PATH" of environment
- TRUE if a path variable has been defined in this environment.
- number of variables of environment
- Returns the total number of variables in this environment.

# **Authorization Objects**

These inspectors retrieve security and access settings.

# Client\_cryptography

These Inspectors expose cryptographic properties exclusive to the client.

### **Creation Methods**

Key Phrase	Form	Description
client cryptography	PlainGlobal	This Inspector is similar to the core cryptography object except that it returns properties exclusive to the client (whereas <cryptography> is also available in the Console/Web Reports contexts).  Win:7.1, Lin:7.1, Sol:7.1, HPUX:7.1, AIX:7.1, Mac:7.1, WM, Ubu</cryptography>

### **Properties**

Key Phrase	Form	Return Type	Description
desired encrypt report of <cli>client_cryptography&gt;</cli>	Plain	<boolean></boolean>	Returns TRUE if the client is configured to attempt to encrypt reports.  Win:7.1, Lin:7.1, Sol:7.1, HPUX:7.1, AIX:7.1, Mac:7.1, WM, Ubu
encrypt report failure message of <client_cryptography></client_cryptography>	Plain	<string></string>	If the client is not successfully encrypting reports, this Inspector returns the failure message.  Win:7.1, Lin:7.1, Sol:7.1, HPUX:7.1, AIX:7.1, Mac:7.1, WM, Ubu
encrypt report of <client_cryptography></client_cryptography>	Plain	<boolean></boolean>	Returns TRUE if the client is successfully encrypting reports.  Win:7.1, Lin:7.1, Sol:7.1, HPUX:7.1, AIX:7.1, Mac:7.1, WM, Ubu

# X509 Certificate

X.509 is a public key infrastructure standard, specifying formats for public key certificates and revocations. These Inspectors interpret the certificate from a file in the PEM format. They can be used to analyze encryption credentials on decrypting relays or root servers.

### **Creation Methods**

Key Phrase	Form	Description
encryption certificate of <a href="clicense"></a>	Plain	Provides the encryption certificate that is currently active and which will be used by clients to encrypt reports.
		Win:7.1, Lin:7.1, Sol:7.1, HPUX:7.1, AIX:7.1, Mac:7.1, WM, Ubu



# **User Objects**

These Inspectors return information about local and current user accounts, including names, logins, passwords and more.

### User

These Inspectors allow you to list properties of all users, whether they are logged in or not.

**Type Derivation:** This object type is derived from the <security account> type and therefore shares the same properties as that type.

### **Creation Methods**

Key Phrase	Form	Description
current user	PlainGlobal	Creates an object corresponding to the current users, whether they are logged in or not.  Lin, Sol, HPUX, AIX, Ubu
user	PlainGlobal	Creates objects for all users, logged in or not. Win:8.1, Lin, Sol, HPUX, AIX, Mac:7.1, Ubu
user <string></string>	NamedGlobal	Returns an object representing the user (logged in or not) specified by <string>.  Win:8.1, Lin, Sol, HPUX, AIX, Mac:7.1, Ubu</string>

### **Properties**

Key Phrase	Form	Return Type	Description
name of <user></user>	Plain	<string></string>	Returns the name of all the specified user, whether logged in or not.  Win:8.1, Lin, Sol, HPUX, AIX, Mac:7.1, Ubu
tty of <user></user>	Plain	<string></string>	Returns the tty of the user. Lin, Sol, HPUX, AIX, Ubu

### **Examples**

- names of users
- Returns a list of all the users.

# **Action Objects**

These are the keywords associated with properties that can be inspected while BigFix Actions are being executed.

# Action

These are the keywords associated with properties available for inspection during the execution of BigFix Actions.

### **Creation Methods**

Key Phrase	Form	Description
action	PlainGlobal	Creates an action object corresponding to the BigFix Action currently being parsed.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
action <integer></integer>	NumberedGlobal	Creates an action object matching the <integer> id.</integer>
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
active action	PlainGlobal	Creates an action object corresponding to the currently executing action.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
relevant offer action of <site></site>	Plain	Returns the list of relevant actions that are offers for the specified site. This Inspector could be useful in a client UI dashboard listing the current set of relevant offers.
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

### **Properties**

Key Phrase	Form	Return Type	Description
active of <action></action>	Plain	<boolean></boolean>	Returns TRUE if the action is currently running (active).  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
active start time of <action></action>	Plain	<time></time>	Returns the time the action started. Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
complete time of <action></action>	Plain	<time></time>	Returns the time the action completed. Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
constrained of <action></action>	Plain	<boolean></boolean>	Returns TRUE if action is unable to run yet.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu



Key Phrase	Form	Return Type	Description
exit code of <action></action>	Plain	<integer></integer>	Returns an integer corresponding to the exit code of the specified action. This value will not exist if the action has not yet produced an exit code.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
group leader of <action></action>	Plain	<boolean></boolean>	Returns TRUE if the action is a group action and the action component is the group leader. When you deploy a mult-action from the BES Console, it constructs a group action with a group leader to control the overall behavior of the action. This inspector is used internally to manage the progress of the group action.
			Win, Lin, Sol, HPUX, AIX, Mac:7.1, WM, Ubu
id of <action></action>	Plain	<integer></integer>	Returns the numeric ID associated with the specified Action.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
last change time of <action></action>	Plain	<time></time>	Returns the time when the action state last changed.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
offer accepted of <action></action>	Plain	<boolean></boolean>	Returns TRUE when users indicated they want to run the action by accepting the offer presented by the BES Client UI. When an offer has been accepted, the Client evaluates its constraints and runs as soon as conditions allow.  Win:7.0, Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Mac:7.1, WM, Ubu
offer of <action></action>	Plain	<boolean></boolean>	Returns TRUE when the Action is presented as an offer (as indicated by the header "x-offer: 1").
			Win:7.0, Lin:7.0, Sol:7.0, HPUX:7.0, AIX:7.0, Mac:7.1, WM, Ubu
origin fixlet id of <action></action>	Plain	<integer></integer>	Returns the Fixlet id that contained the action.
origin fixed to castions	, ram	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
parameter <string> of <action></action></string>	Named	<string></string>	Returns the value of parameter <string> for the active Action. Parameters only live as long as the action is active. Among the inspectable parameters is the 'action issue date' that is added to each Action by the BigFix Console at issue time.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu</string>
pending login of <action></action>	Plain	<boolean></boolean>	Returns TRUE if the specified action included an 'action requires login' command, and a login has not yet occurred since the action has run.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
1			,, 55, 57,,,,,,

Key Phrase	Form	Return Type	Description
pending of <action></action>	Plain	<boolean></boolean>	Returns TRUE if action is available to run.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
pending restart of <action></action>	Plain	<boolean></boolean>	Returns TRUE if the specified action included an 'action requires restart' command and a restart has not occurred since the action has run.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
pending time of <action></action>	Plain	<time></time>	Returns the time the action became pending.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
status of <action></action>	Plain	<string></string>	Returns one of the following strings:
			Running = when the action is currently active.
			• Executed = no longer relevant and action has completed.
			Not Relevant = action was not relevant.
			Waiting = action is relevant, but waiting to run.
			• Not Executed = action is relevant, unconstrained, but has not yet started.
			Failed = action is relevant, unconstrained, has completed, but is still relevant.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
waiting for download of <action></action>	Plain	<boolean></boolean>	Returns TRUE if client is waiting for mirroring server to have downloads required by the action.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

- parameter "action issue date" of action
- ▶ This Inspector returns the date the action was issued, a parameter added to each action by the BigFix Console.



# **Networking Objects**

This chapter includes the various networking Inspectors.

## Network

These are the keywords used to query the local network configuration.

### **Creation Methods**

Key Phrase	Form	Description
network	PlainGlobal	Creates an object containing properties of the network.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

### **Properties**

Key Phrase	Form	Return Type	Description
adapter of <network></network>	Plain	<network adapter=""></network>	Returns the one or more network adapter objects of the network.
			Win, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:7.1, WM, Ubu
any adapter of <network></network>	Plain	<network adapter=""></network>	This Inspector returns the same as 'adapter of <network>', but it includes loopback and tunnels.</network>
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
find adapter <string> of <network></network></string>	Named	<network adapter=""></network>	This Inspector lets you find a network adapter from the "Friendly Name".
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
interface <integer> of <network></network></integer>	Numbered	<network interface=""></network>	Returns the Nth interface of the network.
<network></network>		interface>	Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
interface of <network></network>	Plain	<network< td=""><td>Returns all the interfaces of the network.</td></network<>	Returns all the interfaces of the network.
		interface>	Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
ip interface <integer> of</integer>	Numbered	<network ip<="" td=""><td>Returns the Nth ip interface of the network.</td></network>	Returns the Nth ip interface of the network.
<network></network>		interface>	Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
ip interface of <network></network>	Plain	<network ip<="" td=""><td>Returns all the ip interfaces of the network.</td></network>	Returns all the ip interfaces of the network.
	interfac	interrace>	Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
ipv4 interface of <network></network>	Plain	<network adapter<="" td=""><td>Returns an IPv4 network adapter interface from the specified network.</td></network>	Returns an IPv4 network adapter interface from the specified network.
		interface>	Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

Key Phrase	Form	Return Type	Description
ipv4or6 interface of <network></network>	Plain	<network adapter interface&gt;</network 	Returns all the ipv4or6 network adapter interfaces from the specified network.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
ipv6 interface of <network></network>	Plain	<network adapter interface&gt;</network 	Returns all the ipv6 interfaces of the specified network.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

- address of find adapter "Local Area Connection" of network
- Returns an IP address corresponding to the Local Area Connection of the network.

### Network Interface

The network interface object describes a generic network interface, and has information about the name and family of that interface. On the Mac these are commonly of type AF\_INET, AF\_LINK and AF\_INET6.

### **Creation Methods**

Key Phrase	Form	Description
interface <integer> of <network></network></integer>	Numbered	Creates an object with the specified network interface.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
interface of <network></network>	Plain	Creates an object with all the interfaces of the network.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

### **Properties**

Key Phrase	Form	Return Type	Description
family of <network interface=""></network>	Plain	<integer></integer>	Returns an family designator of the address family (i.e., 2=AFI_NET).
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

### **Examples**

- names of interfaces of network
- Returns a list of the network interface names, for example, lo0, gif0, stf0, en0.



# Network Ip Interface

In general, the network ip interface object holds locally determined properties of logical network devices configured on the computer. On the Mac, these correspond to interfaces of type AF\_INET. The properties that are available depend on the socket support installed on the computer. For Windows computers with winsock 2 support installed, for instance, the information is obtained by an ioctl call and includes Interface address, Interface broadcast address, Interface network mask, Broadcast support flag, Multicast support flag, Loopback interface flag and Point to point interface flag.

**Type Derivation:** This object type is derived from the <network interface> type and therefore shares the same properties as that type.

#### **Creation Methods**

Key Phrase	Form	Description
ip interface <integer> of <network></network></integer>	Numbered	Creates an object with the specified ip interface of the network.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
ip interface of <network></network>	Plain	Creates an object or an object list (using the plural keyword) with all the ip interfaces of the network.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

### **Properties**

Key Phrase	Form	Return Type	Description
address of <network interface="" ip=""></network>	Plain	<ipv4 address&gt;</ipv4 	Returns the ip address of the ip interface.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
alias of <network interface="" ip=""></network>	Plain	<boolean></boolean>	Returns TRUE if the network ip interface has an alias defined for it (a virtual device, rather than a physical device).  Lin, Sol, HPUX, AIX, Mac:8.0, Ubu
broadcast address of <network interface="" ip=""></network>	Plain	<ipv4 address&gt;</ipv4 	Returns the broadcast address of the specified interface as an IPv4 type.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
broadcast support of <network interface="" ip=""></network>	Plain	<boolean></boolean>	Indicates that broadcast messages are supported by the ip interface. Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
cidr address of <network interface="" ip=""></network>	Plain	<string></string>	Returns the Classless Inter-Domain Routing address for the specified network ip interface as a string type.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

Key Phrase	Form	Return Type	Description
cidr string of <network interface="" ip=""></network>	Plain	<string></string>	Returns the Classless Inter-Domain Routing value for the specified network ip interface as a string type.
			Win:7.1, Lin:7.1, Sol:7.1, HPUX:7.1, AIX:7.1, Mac:7.1, WM, Ubu
loopback of <network interface="" ip=""></network>	Plain	<boolean></boolean>	Indicates that the particular network ip interface is a loopback interface.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
mac address of <network interface="" ip=""></network>	Plain	<string></string>	Returns the MAC address (AKA hardware address) of the network ip interface object. The mac address is formatted as a string of lower case hex digits separated by '-'.
	Dia in		Lin, Sol, HPUX, AIX, Mac:8.0, Ubu
multicast support of <network interface="" ip=""></network>	Plain	<boolean></boolean>	Indicates that multicast messages are supported by the ip interface.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
name of <network interface="" ip=""></network>	Plain	<string></string>	Returns the name of the network ip interface object. Typical names are lan0, lo0. Virtual interfaces are usually of the form lan0:2.
			Lin, Sol, HPUX, AIX, Mac:8.0, Ubu
point to point of <network interface="" ip=""></network>	Plain	<boolean></boolean>	Indicates that the interface is a point-to-point interface. Usually TRUE for dialup connections.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
subnet address of <network interface="" ip=""></network>	Plain	<ipv4 address&gt;</ipv4 	Returns the subnet address (IPv4) to which the specified interface belongs.
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
subnet mask of <network interface="" ip=""></network>	Plain	<ipv4 address&gt;</ipv4 	Returns the subnet mask (IPv4) of the specified network ip interface.
·			As of version 8.0, this Inspector type is derived from an <ipv4or6 address=""> type.</ipv4or6>
			Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
up of <network interface="" ip=""></network>	Plain	<boolean></boolean>	Returns TRUE if the specified network IP interface is currently up.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

- names of ip interfaces of network
- ▶ Returns a list of the names of the network IP interfaces, for example, lo0, en0.



- addresses of ip interfaces of network
- Returns a list of the IP addresses of the network IP interfaces, for example, 127.0.0.1, 192.168.1.100, etcetera.
- address of ip interface whose (loopback of it = false) of network =
  "192.168.127.127"
- Returns TRUE if the given IP address doesn't have loopback.
- mac address whose (it = "00-61-b1-d1-7d-29") of ip interfaces of network
- Returns the mac address of the specified network ip interface object.

## **Network Adapter**

One or more network adapters may be inspected using this property of the network object. Each network adapter has a number of interesting properties such as the MAC address.

### **Creation Methods**

Key Phrase	Form	Description
adapter of <network adapter="" interface=""></network>	Plain	Returns the adapters associated with the specified network adapter interface.
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
adapter of <network></network>	Plain	Returns one or more adapters of the network.
		Win, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:7.1, WM, Ubu
any adapter of <network></network>	Plain	This Inspector returns the same as 'adapter of <network>', but it includes loopback and tunnels.</network>
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
find adapter <string> of <network></network></string>	Named	This Inspector lets you find a network adapter from the "Friendly Name".
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

### **Properties**

Key Phrase	Form	Return Type	Description
address of <network adapter=""></network>	Plain	<ipv4 address&gt;</ipv4 	Returns the ip address of the network adapter (returns the first address if it is a list).  Win, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:7.1, WM, Ubu
cidr address of <network adapter=""></network>	Plain	<string></string>	Returns the CIDR address of the specified network adapter as a string type, for example, 192.168.0.0/16 (IPv4) or 2001:db8::/32 (IPv6). Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

Key Phrase	Form	Return Type	Description
cidr string of <network adapter=""></network>	Plain	<string></string>	Returns the Classless Inter-Domain Routing value for the specified network adapter as a string value.
			Win:7.1, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:7.1, WM, Ubu
friendly name of <network adapter=""></network>	Plain	<string></string>	Returns a user-friendly name for the adapter, for example "Local Area Connection 1".
			Win:7.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, WM, Ubu
ipv4 interface of <network adapter=""></network>	Plain	<network adapter="" interface=""></network>	Returns the IPv4 interface of the specified network adapter as a <network adapter="" interface="" ip=""> type.</network>
		III.onaoo>	Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
ipv4or6 interface of <network adapter=""></network>	Plain	<network adapter interface&gt;</network 	Returns the ipv4or network adapter interface from the specified network adapter.
		interrace>	Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
ipv6 interface of <network adapter=""></network>	Plain	<network adapter<="" td=""><td>Returns the IPv6 interfaces of the specified network adapter as a network adapter interface type.</td></network>	Returns the IPv6 interfaces of the specified network adapter as a network adapter interface type.
		interface>	Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
loopback of <network adapter=""></network>	Plain	<boolean></boolean>	Returns TRUE if the specified network adapter is a loopback interface.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:7.1, Ubu
mac address of	Plain	<string></string>	Returns the mac address of the network adapter.
<network adapter=""></network>			Win, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:7.1, WM, Ubu
multicast support of <network adapter=""></network>	Plain	<boolean></boolean>	Returns TRUE if multicast messages are supported by the specified network adapter.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:7.1, Ubu
name of <network< td=""><td>Plain</td><td><string></string></td><td>Returns the name of the network adapter.</td></network<>	Plain	<string></string>	Returns the name of the network adapter.
adapter>			Win, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:7.1, WM, Ubu
subnet address of <network adapter=""></network>	Plain	<ipv4 address&gt;</ipv4 	Returns the subnet address (IPv4) of the specified network adapter.
			Win, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:7.1, WM, Ubu
subnet mask of <network adapter=""></network>	Plain	<ipv4 address&gt;</ipv4 	Returns the subnet mask (IPv4) of the specified network adapter.
			Win, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:7.1, WM, Ubu
up of <network adapter=""></network>	Plain	<boolean></boolean>	Returns TRUE if the specified network adaoter is currently working. Interfaces like wifi may be turned it off to save power, but this Inspector will still tell you if it is active.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:7.1, Ubu



# Network Adapter Interface

A network adapter interfaces a computer to a network. These Inspectors expose the adapter so that you can determine its properties, such as its address, subnet mask, mac address and whether or not it supports broadcast, multicast or point-to-point.

### **Creation Methods**

Key Phrase	Form	Description
ipv4 interface of <network adapter=""></network>	Plain	Returns the IPv4 interface of the specified network adapter as a <network adapter="" interface="" ip=""> type.</network>
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
ipv4 interface of <network></network>	Plain	Returns an IPv4 network adapter interface from the specified network.
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
ipv4or6 interface of <network adapter=""></network>	Plain	Returns the ipv4or network adapter interface from the specified network adapter.
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
ipv4or6 interface of <network></network>	Plain	Returns all the ipv4or6 network adapter interfaces from the specified network.
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
ipv6 interface of <network adapter=""></network>	Plain	Returns the IPv6 interfaces of the specified network adapter as a network adapter interface type.
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
ipv6 interface of <network></network>	Plain	Returns all the ipv6 interfaces of the specified network.
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

## **Properties**

Key Phrase	Form	Return Type	Description
adapter of <network adapter="" interface=""></network>	Plain	<network adapter=""></network>	Returns the adapters associated with the specified network adapter interface.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
address of <network adapter="" interface=""></network>	Plain	<ipv4or6 address&gt;</ipv4or6 	Returns the IP address of the specified network adapter interface as an ipv4or6 address type.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
broadcast address of <network adapter<br="">interface&gt;</network>	Plain	<ipv4or6 address&gt;</ipv4or6 	Creates an object with the broadcast address (ipv4or6) of the specified network adapter interface. Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

Key Phrase	Form	Return Type	Description
broadcast support of <network adapter<br="">interface&gt;</network>	Plain	<boolean></boolean>	Returns TRUE if the given network adapter interface has broadcast support.
interiace>			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
cidr address of <network adapter="" interface=""></network>	Plain	<string></string>	Returns the CIDR address of the specified interface as a string type, for example, 192.168.0.0/16 (IPv4) or 2001:db8::/32 (IPv6).
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
cidr string of <network adapter interface&gt;</network 	Plain	<string></string>	A cidr string (see CIDR_notation at Wikipedia) is a string representation of a cidr address. It looks like an ip address followed by a slash and then the number of leading non-zero bits of the routing prefix. For example, 192.168.0.0/16 for IPv4, and 2001:db8::/32 for IPv6.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
loopback of <network< td=""><td>Plain</td><td><boolean></boolean></td><td>Returns TRUE if the specified interface supports</td></network<>	Plain	<boolean></boolean>	Returns TRUE if the specified interface supports
adapter interface>	riairi	CDOOLEGITS	loopbacks.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
mac address of <network adapter<="" td=""><td>Plain</td><td><string></string></td><td>Returns the MAC address of the specified network adapter interface as a string type.</td></network>	Plain	<string></string>	Returns the MAC address of the specified network adapter interface as a string type.
interface>			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
multicast support of <network adapter<="" td=""><td>Plain</td><td><boolean></boolean></td><td>Returns TRUE if the specified interface supports multicasting.</td></network>	Plain	<boolean></boolean>	Returns TRUE if the specified interface supports multicasting.
interface>			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
point to point of <network adapter<br="">interface&gt;</network>	Plain	<boolean></boolean>	A network adapter interface can be a point-to-point interface, such as you might use for a VPN connection or a SLIP connection. This Inspector returns TRUE if the specified network adapter interface is configured to run point-to-point.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
subnet address of <network adapter<="" td=""><td>Plain</td><td><ipv4or6 address=""></ipv4or6></td><td>Returns the subnet address of the specified interface as an ipv4or6 address type.</td></network>	Plain	<ipv4or6 address=""></ipv4or6>	Returns the subnet address of the specified interface as an ipv4or6 address type.
interface>			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
subnet mask of <network adapter<br="">interface&gt;</network>	Plain	<ipv4or6 address=""></ipv4or6>	Returns the subnet mask of the specified interface as an ipv4or6 address type.
IIIIGIIAUG>			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
up of <network adapter="" interface=""></network>	Plain	<boolean></boolean>	Returns TRUE if the specified interface is currently up and working.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu



# **Ipv4 Address**

This is an Internet Protocol address, version 4. IP addresses are composed of four single-byte integers separated by periods, such as "192.5.0.7".

• NOTE: Prior to version 8.0 of BigFix, this was not a derived type.

**Type Derivation:** This object type is derived from the <ipv4or6 address> type and therefore shares the same properties as that type.

### **Creation Methods**

Key Phrase	Form	Description
address of <network adapter=""></network>	Plain	Returns the ip address of the network adapter.
		Win, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:7.1, WM, Ubu
address of <network ip<="" td=""><td>Plain</td><td>Creates an object with the ip address of the interface.</td></network>	Plain	Creates an object with the ip address of the interface.
interface>		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
broadcast address of	Plain	Returns the broadcast address of the specified interface.
<network interface="" ip=""></network>		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
subnet address of <network adapter=""></network>	Plain	Returns the subnet address (IPv4) of the specified network adapter.
		Win, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:7.1, WM, Ubu
subnet address of <network interface="" ip=""></network>	Plain	Creates an object with the subnet address of the network interface.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
subnet mask of <network< td=""><td>Plain</td><td>Returns the subnet mask of the network adapter.</td></network<>	Plain	Returns the subnet mask of the network adapter.
adapter>		Win, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:7.1, WM, Ubu
subnet mask of <network interface="" ip=""></network>	Plain	Returns the subnet mask (IPv4) of the specified network ip interface.
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu

### **Operators**

Key phrase	Return Type	Description
<ipv4 address=""> {cmp} <ipv4 address=""></ipv4></ipv4>	<boolean></boolean>	Returns a boolean TRUE/FALSE depending on the result of the comparison, where: • {cmp} is one of: =, !=, <, <=, >, >= .
		Win, Lin, Sol, HPUX, AIX, Mac, WM

Key phrase	Return Type	Description
<ipv4 address=""> {cmp} <string></string></ipv4>	<boolean></boolean>	Returns a boolean TRUE/FALSE depending on the result of the comparison, where: • {cmp} is one of: =, !=, <, <=, >, >= .
		Win, Lin, Sol, HPUX, AIX, Mac, WM

- $\blacksquare$  exists ip interface whose (address of it = "127.0.0.1" and loopback of it) of network
- Returns TRUE if the specified ip interface (with loopback) exists on this computer.
- addresses of ip interfaces of network
- ▶ Returns a list of IP addresses configured on the machine.

## Ipv4or6 Address

These Inspectors allow you to represent IPv4 and IPv6 addresses as a common type. From these inclusive Inspectors, you can derive the corresponding v4 and v6 IP addresses.

### **Creation Methods**

Key Phrase	Form	Description
address of <network adapter="" interface=""></network>	Plain	Returns the ipv4or6 address of the specified network adapter interface.
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
broadcast address of <network adapter="" interface=""></network>	Plain	Creates an object with the broadcast address (ipv4or6) of the specified network adapter interface.
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
full gateway address of <selected server=""></selected>	Plain	During relay selection, a traceroute-like list of the hops between the client and its relay (the selected server) is recorded. That list is accessible through this Inspector. Unlike the 'gateway address' Inspector, this Inspector includes hops that don't reply as 0.0.0.0.  Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
gateway address <integer> of <selected server=""></selected></integer>	Numbered	During relay selection, a traceroute-like list of the hops between the client and its relay (the selected server) is recorded. The elements of that list is accessible through this Inspector.  • Prior to version 8.0, this inspector returned an <ipv4 address=""> type.</ipv4>
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu



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Key Phrase	Form	Description
gateway address of <selected server=""></selected>	Plain	During relay selection, a traceroute-like list of the hops between the client and its relay (the selected server) is recorded. That list is accessible through this Inspector. However, this Inspector ignores hops that don't reply. If you need the full list, use the 'full gateway address' Inspector.  • Prior to version 8.0, this inspector returned an <ipv4 address=""> type.  Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu</ipv4>
ip address of <selected server=""></selected>	Plain	The ipv4or6 address to which reports are sent.  • Prior to version 8.0, this inspector created an <ipv4 address=""> type.</ipv4>
		Win, Lin, Sol, HPUX, AIX, Mac, WM, Ubu
registration address of <pre><cli><cli></cli></cli></pre>	Plain	This Inspector returns the IP address (as an <ipv4or6 address=""> type) that the specified BigFix client registered with.</ipv4or6>
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
registration subnet address of <cli>client&gt;</cli>	Plain	This Inspector returns the subnet address (as an <ipv4or6 address=""> type) from the adapter that the specified BigFix client registered with.</ipv4or6>
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
subnet address of <network adapter="" interface=""></network>	Plain	Returns the subnet address of the specified interface as an ipv4or6 address type.
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
subnet mask of <network adapter="" interface=""></network>	Plain	Returns the subnet mask of the specified interface as an ipv4or6 address type.
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

# **Installed System Software**

These Inspectors help you manage system objects and software packages.

### Bundle

On HPUX platforms, a bundle object is derived from a product type and used to inspect software installations as managed by the Software Depot. On Macintosh platforms, a bundle refers to a core foundation folder hierarchy derived from CFBundle.

**Type Derivation:** This object type is derived from the product> type and therefore shares the same properties as that type.

### **Creation Methods**

Key Phrase	Form	Description
bundle <string> of <software_depot></software_depot></string>	Named	Returns the bundle object corresponding to the name provided. Useful for seeing if a bundle is installed.  HPUX
bundle of <pre></pre>	Plain	Returns the bundle to which the product belongs.
bundle of <software_depot></software_depot>	Plain	Returns a bundle object. Use the plural expression 'bundles of software depot' to return all of the bundles installed.  HPUX

### **Properties**

Key Phrase	Form	Return Type	Description
product of <bundle></bundle>	Plain	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Returns the product and/or products contained in the bundle.
			HPUX

### **Examples**

- exists bundle of folder "iTunes.app" of applications folder
- A bundle is a directory in the file system that groups related resources together in one place. Applications, frameworks, and plug-ins are all examples of bundles. Programs can also use document bundles instead of flat files to save complex content. For more info, see the Apple Developer documentation.



- string "CFBundleVersion" of global dictionary of bundle of folder "iTunes.app" of applications folder
- Returns the bundle version of the specified folder.

### Product

The product object contains properties (such as vendor and revision) of the associated software product.

- On AIX, products are installed into an Object Repository.
- On HPUX products are installed in the Software Depot.

### **Creation Methods**

Key Phrase	Form	Description
product <string> of <software_depot></software_depot></string>	Named	Direct access to specified installed software product. Use the product tag as the identifying name.
product of <bundle></bundle>	Plain	Returns the product and/or products contained in the bundle.  HPUX
product of <software_depot></software_depot>	Plain	Iterated access to any or all installed software products.

### **Properties**

Key Phrase	Form	Return Type	Description
<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Cast	<string></string>	Brief text string identifying a product including the tag and version.
			HPUX, AIX
bundle of <pre><pre>column{col</pre></pre>	Plain	<bundle></bundle>	Returns the bundle to which the product belongs.
			HPUX
revision of <pre><pre>coduct&gt;</pre></pre>	Plain	<string></string>	Version identifier of installed software product.
			HPUX
tag of <pre><pre>color</pre></pre>	Plain	<string></string>	Short identifying name of installed software product. Tag is used as identifier in named product accessor.
			HPUX
title of <pre><pre>coduct&gt;</pre></pre>	Plain	<string></string>	Long identifying name of installed software product.
			HPUX

Key Phrase	Form	Return Type	Description
vendor of <pre><pre>column{col</pre></pre>	Plain	<string></string>	Text identifying the vendor of the installed software product.
			HPUX

- exists product "OS-Core" of software depot
- Returns TRUE if the specified software exists.
- products whose (vendor of it is "BigFix") of software depot as string
- Returns a list of the BigFix product(s) on the computer, such as "BESAgent 4.0.3.7".
- product "BESAgent" of software depot as string
- Returns the full name of the product, such as "BESAgent 4.0.3.7".
- revision of product "OS-Core" of software depot
- Returns a string such as "B.11.00".
- tag of product whose (vendor of it = "BigFix") of software depot
- Returns a string such as "BESAgent 4.0.3.7".
- title of product "OS-Core" of software depot
- Returns a string such as "Core Operating System".
- vendor of product "BESAgent" of software depot
- Returns a string such as "BigFix".

# Software\_depot

Software Depot uses the swlist INDEX to identify the collection of products installed on the HPUX machine.

### **Creation Methods**

Key Phrase	Form	Description
software depot	PlainGlobal	Accesses the set of installed software and products.
		HPUX



### **Properties**

Key Phrase	Form	Return Type	Description
bundle <string> of <software_depot></software_depot></string>	Named	<bundle></bundle>	Returns the bundle object corresponding to the name provided. Useful for seeing if a bundle is installed.  HPUX
bundle of <software_depot></software_depot>	Plain	<bundle></bundle>	Returns a bundle object. Use the plural expression 'bundles of software depot' to return all of the bundles installed.  HPUX
product <string> of <software_depot></software_depot></string>	Named	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Direct access to specified installed software product. Use the product tag as the identifying name.  HPUX
product of <software_depot></software_depot>	Plain	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Direct access to specified installed software product. Use the product tag as the identifying name.  HPUX

### **Examples**

- exists software depot
- ▶ Returns TRUE if the software depot exists on this computer.
- model of main processor
- Returns a string such as "PA8500".
- exists product "OS-Core" of software depot
- ▶ Returns TRUE if the specified software exists.

# **Power Inspectors**

These Inspectors return information about the energy usage patterns of BigFix Clients and their attached monitors.

## Power Level

These Inspectors provide exposure to the underlying batter and power information used by low-power modes. On Windows, this uses the GetSystemPowerStatus system call, and on OSX, it uses the IOPSCopyPowerSourcesList functionality.

### **Creation Methods**

Key Phrase	Form	Description
power level	PlainGlobal	Returns a power level representing the underlying state of the battery or charging system.
		Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu

### **Properties**

Key Phrase	Form	Return Type	Description
<power level=""> as string</power>	Cast	<string></string>	Converts a power level into a human-readable string.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
full of <power level=""></power>	Plain	<boolean></boolean>	Returns TRUE if the battery is fully charged.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
low of <power level=""></power>	Plain	<boolean></boolean>	Returns TRUE if the battery is at a low charge level.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
normal of <power level=""></power>	Plain	<boolean></boolean>	Returns TRUE if the battery is at a normal charge level.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
plugged of <power level=""></power>	Plain	<boolean></boolean>	Returns TRUE if the computer is currently plugged in to AC power.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu
ups of <power level=""></power>	Plain	<boolean></boolean>	Returns TRUE if the computer is currently being powered by a UPS.
			Win:8.0, Lin:8.0, Sol:8.0, HPUX:8.0, AIX:8.0, Mac:8.0, Ubu



- power level
- Returns the current power level, which might be something like "full battery power plugged in".
- full of power level
- Returns TRUE if the battery is currently topped off.
- plugged of power level
- Returns TRUE if the computer is currently plugged in.

# Key Phrases (Inspectors)

This section of the guide provides an alphabetical list of the Inspector keywords. It details the *context* object type (From an object), and the *resulting* object type (Creates an object). This list includes all Inspectors that are relevant to the context of the current guide, including the core and regex Inspectors. You can retrieve any Inspector defined in this guide by clicking on its link in the right column.

Key Phrase	Plural	Creates a	From a	Form	Ref
abbr <string> of <html></html></string>	abbrs	<html></html>	<html></html>	Named	core
abbr <string> of <string></string></string>	abbrs	<html></html>	<string></string>	Named	core
abbr of <html></html>	abbrs	<html></html>	<html></html>	Plain	core
abbr of <string></string>	abbrs	<html></html>	<string></string>	Plain	core
absolute value of <hertz></hertz>	absolute values	<hertz></hertz>	<hertz></hertz>	Plain	core
absolute value of <integer></integer>	absolute values	<integer></integer>	<integer></integer>	Plain	core
absolute value of <time interval=""></time>	absolute values	<time interval=""></time>	<time interval=""></time>	Plain	core
accessed time of <filesystem object&gt;</filesystem 	accessed times	<time></time>	<filesystem object=""></filesystem>	Plain	hpux
accessed time of <symlink></symlink>	accessed times	<time></time>	<symlink></symlink>	Plain	<u>hpux</u>
acronym <string> of <html></html></string>	acronyms	<html></html>	<html></html>	Named	core

Key Phrase	Plural	Creates a	From a	Form	Ref
acronym <string> of <string></string></string>	acronyms	<html></html>	<string></string>	Named	core
acronym of <html></html>	acronyms	<html></html>	<html></html>	Plain	core
acronym of <string></string>	acronyms	<html></html>	<string></string>	Plain	core
action	actions	<action></action>	<world></world>	PlainGlobal	<u>hpux</u>
action <integer></integer>	actions	<action></action>	<world></world>	NumberedGlobal	<u>hpux</u>
action lock state	action lock states	<action lock="" state=""></action>	<world></world>	PlainGlobal	<u>hpux</u>
active action	active actions	<action></action>	<world></world>	PlainGlobal	<u>hpux</u>
active of <action></action>	actives	<boolean></boolean>	<action></action>	Plain	<u>hpux</u>
active start time of <action></action>	active start times	<time></time>	<action></action>	Plain	<u>hpux</u>
adapter of <network adapter<br="">interface&gt;</network>	adapters	<network adapter=""></network>	<network adapter="" interface=""></network>	Plain	hpux
adapter of <network></network>	adapters	<network adapter=""></network>	<network></network>	Plain	<u>hpux</u>
address <string> of <html></html></string>	addresss	<html></html>	<html></html>	Named	core
address <string> of <string></string></string>	addresss	<html></html>	<string></string>	Named	core
address of <html></html>	addresss	<html></html>	<html></html>	Plain	core
address of <network adapter<br="">interface&gt;</network>	addresses	<ipv4or6 address=""></ipv4or6>	<network adapter="" interface=""></network>	Plain	hpux
address of <network adapter=""></network>	addresses	<ipv4 address=""></ipv4>	<network adapter=""></network>	Plain	<u>hpux</u>
address of <network ip<br="">interface&gt;</network>	addresses	<ipv4 address=""></ipv4>	<network interface="" ip=""></network>	Plain	hpux



Key Phrase	Plural	Creates a	From a	Form	Ref
address of <string></string>	addresss	<html></html>	<string></string>	Plain	core
administrator <string> of <client></client></string>	administrators	<setting></setting>	<cli>client&gt;</cli>	Named	<u>hpux</u>
administrator of <client></client>	administrators	<setting></setting>	<cli>client&gt;</cli>	Plain	hpux
alias of <network interface="" ip=""></network>	aliases	<boolean></boolean>	<network interface="" ip=""></network>	Plain	<u>hpux</u>
allow unmentioned site of <li>cense&gt;</li>	allow unmentioned sites	<boolean></boolean>	<li>clicense&gt;</li>	Plain	<u>hpux</u>
ancestor of <filesystem object&gt;</filesystem 	ancestors	<folder></folder>	<filesystem object=""></filesystem>	Plain	<u>hpux</u>
ancestor of <symlink></symlink>	ancestors	<folder></folder>	<symlink></symlink>	Plain	<u>hpux</u>
anchor <string> of <html></html></string>	anchors	<html></html>	<html></html>	Named	core
anchor <string> of <string></string></string>	anchors	<html></html>	<string></string>	Named	core
anchor of <html></html>	anchors	<html></html>	<html></html>	Plain	core
anchor of <string></string>	anchors	<html></html>	<string></string>	Plain	core
any adapter of <network></network>	any adapters	<network adapter=""></network>	<network></network>	Plain	<u>hpux</u>
any ip version	any ip versions	<ip version=""></ip>	<world></world>	PlainGlobal	core
apparent registration server time	apparent registration server times	<time></time>	<world></world>	PlainGlobal	<u>hpux</u>
application <string></string>	applications	<application></application>	<world></world>	NamedGlobal	<u>hpux</u>
application <string> of <folder></folder></string>	applications	<application></application>	<folder></folder>	Named	hpux

Key Phrase	Plural	Creates a	From a	Form	Ref
application usage summary	application usage summaries	<application summary="" usage=""></application>	<world></world>	PlainGlobal	hpux
application usage summary <string></string>	application usage summaries	<application summary="" usage=""></application>	<world></world>	NamedGlobal	<u>hpux</u>
april	aprils	<month></month>	<world></world>	PlainGlobal	core
april <integer></integer>	aprils	<day of="" year=""></day>	<world></world>	NumberedGlobal	core
april <integer> of <integer></integer></integer>	aprils	<date></date>	<integer></integer>	Numbered	core
april of <integer></integer>	aprils	<month and="" year=""></month>	<integer></integer>	Plain	core
architecture of <operating system&gt;</operating 	architectures	<string></string>	<pre><operating system=""></operating></pre>	Plain	hpux
august	augusts	<month></month>	<world></world>	PlainGlobal	core
august <integer></integer>	augusts	<day of="" year=""></day>	<world></world>	NumberedGlobal	core
august <integer> of <integer></integer></integer>	augusts	<date></date>	<integer></integer>	Numbered	core
august of <integer></integer>	augusts	<month and="" year=""></month>	<integer></integer>	Plain	core
average of <evaluation cycle=""></evaluation>	averages	<integer></integer>	<evaluation cycle=""></evaluation>	Plain	<u>hpux</u>
b <string> of <html></html></string>	bs	<html></html>	<html></html>	Named	core
b <string> of <string></string></string>	bs	<html></html>	<string></string>	Named	core
b of <html></html>	bs	<html></html>	<html></html>	Plain	core
b of <string></string>	bs	<html></html>	<string></string>	Plain	core
base <string> of <html></html></string>	bases	<html></html>	<html></html>	Named	core
base <string> of <string></string></string>	bases	<html></html>	<string></string>	Named	core



Key Phrase	Plural	Creates a	From a	Form	Ref
base of <html></html>	bases	<html></html>	<html></html>	Plain	core
base of <string></string>	bases	<html></html>	<string></string>	Plain	core
bes license	bes licenses	<li><li><li><li></li></li></li></li>	<world></world>	PlainGlobal	<u>hpux</u>
big <string> of <html></html></string>	bigs	<html></html>	<html></html>	Named	core
big <string> of <string></string></string>	bigs	<html></html>	<string></string>	Named	core
big of <html></html>	bigs	<html></html>	<html></html>	Plain	core
big of <string></string>	bigs	<html></html>	<string></string>	Plain	core
binary operator <string></string>	binary operators	    	<world></world>	NamedGlobal	core
binary operator returning <type></type>	binary operators returning	   	<world></world>	Index <type>Glob al</type>	core
bit <integer></integer>	bits	    	<world></world>	NumberedGlobal	core
bit <integer> of   bit set&gt;</integer>	bits	<boolean></boolean>	   	Numbered	core
bit <integer> of <integer></integer></integer>	bits	<boolean></boolean>	<integer></integer>	Numbered	core
bit set <string></string>	bit sets	   	<world></world>	NamedGlobal	core
blockquote <string> of <html></html></string>	blockquotes	<html></html>	<html></html>	Named	core
blockquote <string> of <string></string></string>	blockquotes	<html></html>	<string></string>	Named	core
blockquote of					

Key Phrase	Plural	Creates a	From a	Form	Ref
body <string> of <string></string></string>	bodys	<html></html>	<string></string>	Named	core
body of <html></html>	bodys	<html></html>	<html></html>	Plain	core
body of <string></string>	bodys	<html></html>	<string></string>	Plain	core
boolean <string></string>	booleans	<boolean></boolean>	<world></world>	NamedGlobal	core
boot time of <operating system&gt;</operating 	boot times	<time></time>	<pre><operating system=""></operating></pre>	Plain	hpux
br	brs	<html></html>	<world></world>	PlainGlobal	core
br <string></string>	brs	<html></html>	<world></world>	NamedGlobal	core
brand of <client></client>	brands	<string></string>	<client></client>	Plain	<u>hpux</u>
broadcast address of <network adapter interface&gt;</network 	broadcast addresses	<ipv4or6 address=""></ipv4or6>	<network adapter="" interface=""></network>	Plain	hpux
broadcast address of <network ip<br="">interface&gt;</network>	broadcast addresses	<ipv4 address=""></ipv4>	<network interface="" ip=""></network>	Plain	hpux
broadcast support of <network adapter interface&gt;</network 	broadcast supports	<boolean></boolean>	<network adapter="" interface=""></network>	Plain	hpux
broadcast support of <network interface="" ip=""></network>	broadcast supports	<boolean></boolean>	<network interface="" ip=""></network>	Plain	<u>hpux</u>
build of <operating system=""></operating>	builds	<string></string>	<pre><operating system=""></operating></pre>	Plain	<u>hpux</u>
bundle <string> of <software_depot></software_depot></string>	bundles	<bundle></bundle>	<software_depot></software_depot>	Named	<u>hpux</u>
bundle of <product></product>	bundles	<bundle></bundle>	<pre><pre><pre><pre></pre></pre></pre></pre>	Plain	<u>hpux</u>
bundle of <software_depot></software_depot>	bundles	<bundle></bundle>	<software_depot></software_depot>	Plain	<u>hpux</u>
byte <integer> of <file></file></integer>	bytes	<integer></integer>	<file></file>	Numbered	<u>hpux</u>



Key Phrase	Plural	Creates a	From a	Form	Ref
caption <string> of <html></html></string>	captions	<html></html>	<html></html>	Named	core
caption <string> of <string></string></string>	captions	<html></html>	<string></string>	Named	core
caption of <html></html>	captions	<html></html>	<html></html>	Plain	core
caption of <string></string>	captions	<html></html>	<string></string>	Plain	core
case insensitive regex <string></string>	case insensitive regexes	<regular expression=""></regular>	<world></world>	NamedGlobal	regx
case insensitive regular expression <string></string>	case insensitive regular expressions	<regular expression=""></regular>	<world></world>	NamedGlobal	regx
cast <string></string>	casts	<cast></cast>	<world></world>	NamedGlobal	core
cast from of <type></type>	casts from	<cast></cast>	<type></type>	Plain	core
cast returning <type></type>	casts returning	<cast></cast>	<world></world>	Index <type>Glob al</type>	core
change time of <symlink></symlink>	change times	<time></time>	<symlink></symlink>	Plain	<u>hpux</u>
character <integer></integer>	characters	<string></string>	<world></world>	NumberedGlobal	core
character <integer> of <string></string></integer>	characters	<substring></substring>	<string></string>	Numbered	core
character of <string></string>	characters	<substring></substring>	<string></string>	Plain	core
cidr address of <network adapter<br="">interface&gt;</network>	cidr addresses	<string></string>	<network adapter="" interface=""></network>	Plain	hpux
cidr address of <network adapter=""></network>	cidr addresses	<string></string>	<network adapter=""></network>	Plain	hpux
cidr address of <network ip<br="">interface&gt;</network>	cidr addresses	<string></string>	<network interface="" ip=""></network>	Plain	hpux

Key Phrase	Plural	Creates a	From a	Form	Ref
cidr string of <network adapter<br="">interface&gt;</network>	cidr strings	<string></string>	<network adapter="" interface=""></network>	Plain	hpux
cidr string of <network adapter=""></network>	cidr strings	<string></string>	<network adapter=""></network>	Plain	hpux
cidr string of <network ip<br="">interface&gt;</network>	cidr strings	<string></string>	<network interface="" ip=""></network>	Plain	hpux
cite <string> of <html></html></string>	cites	<html></html>	<html></html>	Named	core
cite <string> of <string></string></string>	cites	<html></html>	<string></string>	Named	core
cite of <html></html>	cites	<html></html>	<html></html>	Plain	core
cite of <string></string>	cites	<html></html>	<string></string>	Plain	core
client	clients	<client></client>	<world></world>	PlainGlobal	<u>hpux</u>
client cryptography	client cryptographies	<cli>client_cryptograp hy&gt;</cli>	<world></world>	PlainGlobal	hpux
client folder of <site></site>	client folders	<folder></folder>	<site></site>	Plain	hpux
client license	client licenses	<li><li><li><li><li></li></li></li></li></li>	<world></world>	PlainGlobal	hpux
code <string> of <html></html></string>	codes	<html></html>	<html></html>	Named	core
code <string> of <string></string></string>	codes	<html></html>	<string></string>	Named	core
code of <html></html>	codes	<html></html>	<html></html>	Plain	core
code of <string></string>	codes	<html></html>	<string></string>	Plain	core
codename of <operating system&gt;</operating 	codenames	<string></string>	<pre><operating system=""></operating></pre>	Plain	hpux
col <string> of <html></html></string>	cols	<html></html>	<html></html>	Named	core



Key Phrase	Plural	Creates a	From a	Form	Ref
col <string> of <string></string></string>	cols	<html></html>	<string></string>	Named	core
col of <html></html>	cols	<html></html>	<html></html>	Plain	core
col of <string></string>	cols	<html></html>	<string></string>	Plain	core
colgroup <string> of <html></html></string>	colgroups	<html></html>	<html></html>	Named	core
colgroup <string> of <string></string></string>	colgroups	<html></html>	<string></string>	Named	core
colgroup of <html></html>	colgroups	<html></html>	<html></html>	Plain	core
colgroup of <string></string>	colgroups	<html></html>	<string></string>	Plain	core
common name of <li>cense&gt;</li>	common names	<string></string>	<li><li><li><li></li></li></li></li>	Plain	<u>hpux</u>
competition size of <selected server=""></selected>	competition sizes	<integer></integer>	<selected server=""></selected>	Plain	<u>hpux</u>
competition weight of <selected server=""></selected>	competition weights	<integer></integer>	<selected server=""></selected>	Plain	<u>hpux</u>
complete time of <action></action>	complete times	<time></time>	<action></action>	Plain	<u>hpux</u>
component <integer> of <site list="" version=""></site></integer>	components	<integer></integer>	<site list="" version=""></site>	Numbered	core
computer count of <bes product=""></bes>	computer counts	<integer></integer>	                   	Plain	<u>hpux</u>
computer id	computer ids	<integer></integer>	<world></world>	PlainGlobal	<u>hpux</u>
computer name	computer names	<string></string>	<world></world>	PlainGlobal	<u>hpux</u>
concatenation <html> of <html></html></html>	concatenations	<html></html>	<html></html>	Index <html></html>	core
concatenation <html> of <string></string></html>	concatenations	<html></html>	<string></string>	Index <html></html>	core

Key Phrase	Plural	Creates a	From a	Form	Ref
concatenation <string> of <html></html></string>	concatenations	<html></html>	<html></html>	Named	core
concatenation <string> of <string></string></string>	concatenations	<string></string>	<string></string>	Named	core
concatenation of <html></html>	concatenations	<html></html>	<html></html>	Plain	core
concatenation of <string></string>	concatenations	<string></string>	<string></string>	Plain	core
conjunction of <boolean></boolean>	conjunctions	<boolean></boolean>	<boolean></boolean>	Plain	core
constrained of <action></action>	constraineds	<boolean></boolean>	<action></action>	Plain	<u>hpux</u>
content of <file></file>	contents	<file content=""></file>	<file></file>	Plain	hpux
controller of <action lock="" state=""></action>	controllers	<string></string>	<action lock="" state=""></action>	Plain	hpux
cryptography	cryptographies	<cryptography></cryptography>	<world></world>	PlainGlobal	core
current analysis	current analyses	<fixlet></fixlet>	<world></world>	PlainGlobal	hpux
current date	current dates	<date></date>	<world></world>	PlainGlobal	core
current day_of_month	current days_of_month	<day month="" of=""></day>	<world></world>	PlainGlobal	core
current day_of_week	current days_of_week	<day of="" week=""></day>	<world></world>	PlainGlobal	core
current day_of_year	current days_of_year	<day of="" year=""></day>	<world></world>	PlainGlobal	core
current month	current months	<month></month>	<world></world>	PlainGlobal	core
current month_and_year	current months_and_ye ars	<month and="" year=""></month>	<world></world>	PlainGlobal	core
current relay	current relays	<current relay=""></current>	<world></world>	PlainGlobal	hpux
current site	current sites	<site></site>	<world></world>	PlainGlobal	hpux



Key Phrase	Plural	Creates a	From a	Form	Ref
current time_of_day	current times_of_day	<time day="" of="" time="" with="" zone=""></time>	<world></world>	PlainGlobal	core
current time_of_day <time zone&gt;</time 	current times_of_day	<time day="" of="" time="" with="" zone=""></time>	<world></world>	Index <time zone&gt;Global</time 	core
current user	current users	<user></user>	<world></world>	PlainGlobal	<u>hpux</u>
current year	current years	<year></year>	<world></world>	PlainGlobal	core
custom site subscription effective date <string></string>	custom site subscription effective dates	<time></time>	<world></world>	NamedGlobal	hpux
date <string></string>	dates	<date></date>	<world></world>	NamedGlobal	core
date <time zone=""> of <time></time></time>	dates	<date></date>	<time></time>	Index <time zone=""></time>	core
date of <bios></bios>	dates	<string></string>	     	Plain	<u>hpux</u>
day	days	<time interval=""></time>	<world></world>	PlainGlobal	core
day of <day of="" year=""></day>	days	<day month="" of=""></day>	<day of="" year=""></day>	Plain	core
day_of_month <integer></integer>	days_of_month	<day month="" of=""></day>	<world></world>	NumberedGlobal	core
day_of_month <string></string>	days_of_month	<day month="" of=""></day>	<world></world>	NamedGlobal	core
day_of_month of <date></date>	days_of_month	<day month="" of=""></day>	<date></date>	Plain	core
day_of_week <string></string>	days_of_week	<day of="" week=""></day>	<world></world>	NamedGlobal	core
day_of_week of <date></date>	days_of_week	<day of="" week=""></day>	<date></date>	Plain	core
day_of_year of <date></date>	days_of_year	<day of="" year=""></day>	<date></date>	Plain	core
dd <string> of <html></html></string>	dds	<html></html>	<html></html>	Named	core

Key Phrase	Plural	Creates a	From a	Form	Ref
dd <string> of <string></string></string>	dds	<html></html>	<string></string>	Named	core
dd of <html></html>	dds	<html></html>	<html></html>	Plain	core
dd of <string></string>	dds	<html></html>	<string></string>	Plain	core
december	decembers	<month></month>	<world></world>	PlainGlobal	core
december <integer></integer>	decembers	<day of="" year=""></day>	<world></world>	NumberedGlobal	core
december <integer> of <integer></integer></integer>	decembers	<date></date>	<integer></integer>	Numbered	core
december of <integer></integer>	decembers	<month and="" year=""></month>	<integer></integer>	Plain	core
default web browser	default web browsers	<file></file>	<world></world>	PlainGlobal	<u>hpux</u>
definition list <string> of <html></html></string>	definition lists	<html></html>	<html></html>	Named	core
definition list <string> of <string></string></string>	definition lists	<html></html>	<string></string>	Named	core
definition list of <html></html>	definition lists	<html></html>	<html></html>	Plain	core
definition list of <string></string>	definition lists	<html></html>	<string></string>	Plain	core
del <string> of <html></html></string>	dels	<html></html>	<html></html>	Named	core
del <string> of <string></string></string>	dels	<html></html>	<string></string>	Named	core
del of <html></html>	dels	<html></html>	<html></html>	Plain	core
del of <string></string>	dels	<html></html>	<string></string>	Plain	core
dependency known of <property></property>	dependencies known	<boolean></boolean>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Plain	core



Key Phrase	Plural	Creates a	From a	Form	Ref
descendant folder of <folder></folder>	descendant folders	<folder></folder>	<folder></folder>	Plain	<u>hpux</u>
descendant of <folder></folder>	descendants	<file></file>	<folder></folder>	Plain	<u>hpux</u>
desired encrypt report of <cli>client_cryptograp hy&gt;</cli>	desired encrypt reports	<boolean></boolean>	<cli>client_cryptograp hy&gt;</cli>	Plain	<u>hpux</u>
desired fips mode of <cryptography></cryptography>	desired fips modes	<boolean></boolean>	<cryptography></cryptography>	Plain	core
device file <filesystem object&gt;</filesystem 	device files	<device file=""></device>	<world></world>	Index <filesystem object="">Global</filesystem>	hpux
device file <string></string>	device files	<device file=""></device>	<world></world>	NamedGlobal	<u>hpux</u>
device file <string> of <folder></folder></string>	device files	<device file=""></device>	<folder></folder>	Named	<u>hpux</u>
device file <symlink></symlink>	device files	<device file=""></device>	<world></world>	Index <symlink>GI obal</symlink>	<u>hpux</u>
device file of <folder></folder>	device files	<device file=""></device>	<folder></folder>	Plain	<u>hpux</u>
device type of <device file=""></device>	device types	<string></string>	<device file=""></device>	Plain	<u>hpux</u>
dfn <string> of <html></html></string>	dfns	<html></html>	<html></html>	Named	core
dfn <string> of <string></string></string>	dfns	<html></html>	<string></string>	Named	core
dfn of <html></html>	dfns	<html></html>	<html></html>	Plain	core
dfn of <string></string>	dfns	<html></html>	<string></string>	Plain	core
direct object type of <pre>of <pre>of</pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>	direct object types	<type></type>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Plain	core
disjunction of <boolean></boolean>	disjunctions	<boolean></boolean>	<boolean></boolean>	Plain	core

Key Phrase	Plural	Creates a	From a	Form	Ref
distance of <selected server=""></selected>	distances	<integer range=""></integer>	<selected server=""></selected>	Plain	hpux
div <string> of <html></html></string>	divs	<html></html>	<html></html>	Named	core
div <string> of <string></string></string>	divs	<html></html>	<string></string>	Named	core
div of <html></html>	divs	<html></html>	<html></html>	Plain	core
div of <string></string>	divs	<html></html>	<string></string>	Plain	core
dns name	dns names	<string></string>	<world></world>	PlainGlobal	<u>hpux</u>
domain name	domain names	<string></string>	<world></world>	PlainGlobal	<u>hpux</u>
domainname	domainnames	<string></string>	<world></world>	PlainGlobal	<u>hpux</u>
download file <string></string>	download files	<file></file>	<world></world>	NamedGlobal	hpux
download path <string></string>	download paths	<string></string>	<world></world>	NamedGlobal	hpux
download storage folder	download storage folders	<download storage folder&gt;</download 	<world></world>	PlainGlobal	hpux
drive	drives	<filesystem></filesystem>	<world></world>	PlainGlobal	<u>hpux</u>
drive <string></string>	drives	<filesystem></filesystem>	<world></world>	NamedGlobal	<u>hpux</u>
drive of <device file=""></device>	drives	<filesystem></filesystem>	<device file=""></device>	Plain	hpux
drive of <fifo file=""></fifo>	drives	<filesystem></filesystem>	<fifo file=""></fifo>	Plain	<u>hpux</u>
drive of <file></file>	drives	<filesystem></filesystem>	<file></file>	Plain	<u>hpux</u>
drive of <folder></folder>	drives	<filesystem></filesystem>	<folder></folder>	Plain	<u>hpux</u>
drive of <socket file=""></socket>	drives	<filesystem></filesystem>	<socket file=""></socket>	Plain	hpux
drive of <symlink></symlink>	drives	<filesystem></filesystem>	<symlink></symlink>	Plain	<u>hpux</u>
dt <string> of <html></html></string>	dts	<html></html>	<html></html>	Named	core



Key Phrase	Plural	Creates a	From a	Form	Ref
dt <string> of <string></string></string>	dts	<html></html>	<string></string>	Named	core
dt of <html></html>	dts	<html></html>	<html></html>	Plain	core
dt of <string></string>	dts	<html></html>	<string></string>	Plain	core
effective date of <action lock="" state=""></action>	effective dates	<time></time>	<action lock="" state=""></action>	Plain	hpux
effective date of <setting></setting>	effective dates	<time></time>	<setting></setting>	Plain	hpux
effective time of <runlevel></runlevel>	effective times	<time></time>	<runlevel></runlevel>	Plain	<u>hpux</u>
element of <integer set=""></integer>	elements	<integer></integer>	<integer set=""></integer>	Plain	core
element of <string set=""></string>	elements	<string></string>	<string set=""></string>	Plain	core
em <string> of <html></html></string>	ems	<html></html>	<html></html>	Named	core
em <string> of <string></string></string>	ems	<html></html>	<string></string>	Named	core
em of <html></html>	ems	<html></html>	<html></html>	Plain	core
em of <string></string>	ems	<html></html>	<string></string>	Plain	core
email address of <license></license>	email addresses	<string></string>	<li><li><li><li></li></li></li></li>	Plain	<u>hpux</u>
enabled of <setting></setting>	enableds	<boolean></boolean>	<setting></setting>	Plain	hpux
encrypt report failure message of <client_cryptograp hy&gt;</client_cryptograp 	encrypt report failure messages	<string></string>	<cli>client_cryptograp hy&gt;</cli>	Plain	hpux
encrypt report of <cli>client_cryptograp hy&gt;</cli>	encrypt reports	<boolean></boolean>	<cli>client_cryptograp hy&gt;</cli>	Plain	hpux

Key Phrase	Plural	Creates a	From a	Form	Ref
encryption certificate of <license></license>	encryption certificates	<x509 certificate=""></x509>	<li><li><li><li></li></li></li></li>	Plain	hpux
end of <substring></substring>	ends	<string position=""></string>	<substring></substring>	Plain	core
end of <time range&gt;</time 	ends	<time></time>	<time range=""></time>	Plain	core
environment	environments	<environment></environment>	<world></world>	PlainGlobal	<u>hpux</u>
error <string></string>	errors	<undefined></undefined>	<world></world>	NamedGlobal	core
evaluation of <license></license>	evaluations	<boolean></boolean>	<li><li><li><li></li></li></li></li>	Plain	hpux
evaluationcycle of <client></client>	evaluationcycles	<evaluation cycle=""></evaluation>	<cli><cli><cli><cli><cli><cli><cli><cli></cli></cli></cli></cli></cli></cli></cli></cli>	Plain	<u>hpux</u>
execute of <mode_mask></mode_mask>	executes	<boolean></boolean>	<mode_mask></mode_mask>	Plain	hpux
exit code of <action></action>	exit codes	<integer></integer>	<action></action>	Plain	<u>hpux</u>
expiration date of <action lock="" state=""></action>	expiration dates	<time></time>	<action lock="" state=""></action>	Plain	hpux
expiration date of <bes product=""></bes>	expiration dates	<date></date>	                            	Plain	<u>hpux</u>
expiration date of <li>cense&gt;</li>	expiration dates	<time></time>	<li><li><li><li></li></li></li></li>	Plain	<u>hpux</u>
expiration state of <li>cense&gt;</li>	expiration states	<string></string>	<li><li><li><li></li></li></li></li>	Plain	<u>hpux</u>
extrema of <date></date>	extremas	<( date, date )>	<date></date>	Plain	core
extrema of <day month="" of=""></day>	extremas	<( day of month, day of month )>	<day month="" of=""></day>	Plain	core
extrema of <day of="" year=""></day>	extremas	<( day of year, day of year )>	<day of="" year=""></day>	Plain	core
extrema of <hertz></hertz>	extremas	<( hertz, hertz )>	<hertz></hertz>	Plain	core
extrema of <integer></integer>	extremas	<( integer, integer )>	<integer></integer>	Plain	core



Key Phrase	Plural	Creates a	From a	Form	Ref
extrema of <ipv4 address=""></ipv4>	extremas	<( ipv4 address, ipv4 address )>	<ipv4 address=""></ipv4>	Plain	core
extrema of <ipv4or6 address=""></ipv4or6>	extremas	<( ipv4or6 address, ipv4or6 address )>	<ipv4or6 address=""></ipv4or6>	Plain	core
extrema of <ipv6 address=""></ipv6>	extremas	<( ipv6 address, ipv6 address )>	<ipv6 address=""></ipv6>	Plain	core
extrema of <month and="" year=""></month>	extremas	<( month and year, month and year )>	<month and="" year=""></month>	Plain	core
extrema of <month></month>	extremas	<( month, month	<month></month>	Plain	core
extrema of <number of<br="">months&gt;</number>	extremas	<( number of months, number of months )>	<number months="" of=""></number>	Plain	core
extrema of <site list="" version=""></site>	extremas	<( site version list, site version list )>	<site list="" version=""></site>	Plain	core
extrema of <time interval=""></time>	extremas	<( time interval, time interval )>	<time interval=""></time>	Plain	core
extrema of <time day="" of=""></time>	extremas	<( time of day, time of day )>	<time day="" of=""></time>	Plain	core
extrema of <time></time>	extremas	<( time, time )>	<time></time>	Plain	core
extrema of	extremas	<( version, version )>	<version></version>	Plain	core
extrema of <year></year>	extremas	<( year, year )>	<year></year>	Plain	core
false	falses	<boolean></boolean>	<world></world>	PlainGlobal	core
family name of <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	family names	<string></string>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Plain	<u>hpux</u>
family of <network interface=""></network>	families	<integer></integer>	<network interface=""></network>	Plain	<u>hpux</u>
february	februarys	<month></month>	<world></world>	PlainGlobal	core
february <integer></integer>	februarys	<day of="" year=""></day>	<world></world>	NumberedGlobal	core

Key Phrase	Plural	Creates a	From a	Form	Ref
february <integer> of <integer></integer></integer>	februarys	<date></date>	<integer></integer>	Numbered	core
february of <integer></integer>	februarys	<month and="" year=""></month>	<integer></integer>	Plain	core
fifo file <filesystem object=""></filesystem>	fifo files	<fifo file=""></fifo>	<world></world>	Index <filesystem object="">Global</filesystem>	<u>hpux</u>
fifo file <string></string>	fifo files	<fifo file=""></fifo>	<world></world>	NamedGlobal	<u>hpux</u>
fifo file <string> of <folder></folder></string>	fifo files	<fifo file=""></fifo>	<folder></folder>	Named	<u>hpux</u>
fifo file <symlink></symlink>	fifo files	<fifo file=""></fifo>	<world></world>	Index <symlink>GI obal</symlink>	<u>hpux</u>
fifo file of <folder></folder>	fifo files	<fifo file=""></fifo>	<folder></folder>	Plain	<u>hpux</u>
file <string></string>	files	<file></file>	<world></world>	NamedGlobal	<u>hpux</u>
file <string> of <folder></folder></string>	files	<file></file>	<folder></folder>	Named	<u>hpux</u>
file <symlink></symlink>	files	<file></file>	<world></world>	Index <symlink>GI obal</symlink>	<u>hpux</u>
file count of <filesystem></filesystem>	file counts	<integer></integer>	<filesystem></filesystem>	Plain	<u>hpux</u>
file of <folder></folder>	files	<file></file>	<folder></folder>	Plain	<u>hpux</u>
filesystem	filesystems	<filesystem></filesystem>	<world></world>	PlainGlobal	<u>hpux</u>
filesystem <string></string>	filesystems	<filesystem></filesystem>	<world></world>	NamedGlobal	<u>hpux</u>
filesystem of <device file=""></device>	filesystems	<filesystem></filesystem>	<device file=""></device>	Plain	<u>hpux</u>
filesystem of <fifo file&gt;</fifo 	filesystems	<filesystem></filesystem>	<fifo file=""></fifo>	Plain	<u>hpux</u>
filesystem of <file></file>	filesystems	<filesystem></filesystem>	<file></file>	Plain	<u>hpux</u>
filesystem of <folder></folder>	filesystems	<filesystem></filesystem>	<folder></folder>	Plain	<u>hpux</u>
filesystem of <socket file=""></socket>	filesystems	<filesystem></filesystem>	<socket file=""></socket>	Plain	<u>hpux</u>



Key Phrase	Plural	Creates a	From a	Form	Ref
filesystem of <symlink></symlink>	filesystems	<filesystem></filesystem>	<symlink></symlink>	Plain	<u>hpux</u>
final part <time interval&gt; of <time range&gt;</time </time 	final parts	<time range=""></time>	<time range=""></time>	Index <time interval&gt;</time 	core
find adapter <string> of <network></network></string>	find adapters	<network adapter=""></network>	<network></network>	Named	hpux
find file <string> of <folder></folder></string>	find files	<file></file>	<folder></folder>	Named	<u>hpux</u>
find folder <string> of <folder></folder></string>	find folders	<folder></folder>	<folder></folder>	Named	<u>hpux</u>
fips mode failure message of <cryptography></cryptography>	fips mode failure messages	<string></string>	<cryptography></cryptography>	Plain	core
fips mode of <cryptography></cryptography>	fips modes	<boolean></boolean>	<cryptography></cryptography>	Plain	core
fips mode of <license></license>	fips modes	<boolean></boolean>	<li>clicense&gt;</li>	Plain	hpux
first <day of="" week=""> of <month and="" year=""></month></day>	firsts	<date></date>	<month and="" year=""></month>	Index <day of="" week=""></day>	core
first <integer> of <string></string></integer>	firsts	<substring></substring>	<string></string>	Numbered	core
first <string> of <string></string></string>	firsts	<substring></substring>	<string></string>	Named	core
first friday of <month and="" year=""></month>	first fridays	<date></date>	<month and="" year=""></month>	Plain	core
first match <regular expression=""> of <string></string></regular>	first matches	<regular expression="" match=""></regular>	<string></string>	Index <regular expression&gt;</regular 	regx
first monday of <month and="" year=""></month>	first mondays	<date></date>	<month and="" year=""></month>	Plain	core

Key Phrase	Plural	Creates a	From a	Form	Ref
first saturday of <month and="" year=""></month>	first saturdays	<date></date>	<month and="" year=""></month>	Plain	core
first start time of <application usage<br="">summary instance&gt;</application>	first start times	<time></time>	<application instance="" summary="" usage=""></application>	Plain	<u>hpux</u>
first start time of <application usage<br="">summary&gt;</application>	first start times	<time></time>	<application summary="" usage=""></application>	Plain	hpux
first sunday of <month and="" year=""></month>	first sundays	<date></date>	<month and="" year=""></month>	Plain	core
first thursday of <month and="" year=""></month>	first thursdays	<date></date>	<month and="" year=""></month>	Plain	core
first tuesday of <month and="" year=""></month>	first tuesdays	<date></date>	<month and="" year=""></month>	Plain	core
first wednesday of <month and="" year=""></month>	first wednesdays	<date></date>	<month and="" year=""></month>	Plain	core
fixlet of <site></site>	fixlets	<fixlet></fixlet>	<site></site>	Plain	<u>hpux</u>
folder <string></string>	folders	<folder></folder>	<world></world>	NamedGlobal	<u>hpux</u>
folder <string> of <folder></folder></string>	folders	<folder></folder>	<folder></folder>	Named	<u>hpux</u>
folder <symlink></symlink>	folders	<folder></folder>	<world></world>	Index <symlink>GI obal</symlink>	<u>hpux</u>
folder of <folder></folder>	folders	<folder></folder>	<folder></folder>	Plain	hpux
following text of <string position=""></string>	following texts	<substring></substring>	<string position=""></string>	Plain	core
following text of <substring></substring>	following texts	<substring></substring>	<substring></substring>	Plain	core
free amount of <ram></ram>	free amounts	<integer></integer>	<ram></ram>	Plain	<u>hpux</u>
free amount of <swap></swap>	free amounts	<integer></integer>	<swap></swap>	Plain	<u>hpux</u>
free file count of <filesystem></filesystem>	free file counts	<integer></integer>	<filesystem></filesystem>	Plain	<u>hpux</u>



Key Phrase	Plural	Creates a	From a	Form	Ref
free percent of <filesystem></filesystem>	free percents	<integer></integer>	<filesystem></filesystem>	Plain	<u>hpux</u>
free space of <filesystem></filesystem>	free spaces	<integer></integer>	<filesystem></filesystem>	Plain	hpux
friday	fridays	<day of="" week=""></day>	<world></world>	PlainGlobal	core
friendly name of <network adapter=""></network>	friendly names	<string></string>	<network adapter=""></network>	Plain	<u>hpux</u>
full gateway address of <selected server=""></selected>	full gateway addresses	<ipv4or6 address=""></ipv4or6>	<selected server=""></selected>	Plain	<u>hpux</u>
full of <power level=""></power>	fulls	<boolean></boolean>	<power level=""></power>	Plain	<u>hpux</u>
gateway address <integer> of <selected server=""></selected></integer>	gateway addresses	<ipv4or6 address=""></ipv4or6>	<selected server=""></selected>	Numbered	<u>hpux</u>
gateway address of <selected server&gt;</selected 	gateway addresses	<ipv4or6 address=""></ipv4or6>	<selected server=""></selected>	Plain	hpux
gather schedule authority of <site></site>	gather schedule authoritys	<string></string>	<site></site>	Plain	<u>hpux</u>
gather schedule time interval of <site></site>	gather schedule time intervals	<time interval=""></time>	<site></site>	Plain	hpux
gather url of <license></license>	gather urls	<string></string>	<li>clicense&gt;</li>	Plain	<u>hpux</u>
ghz	ghzs	<hertz></hertz>	<world></world>	PlainGlobal	core
gid of <filesystem object=""></filesystem>	gids	<integer></integer>	<pre><filesystem object=""></filesystem></pre>	Plain	<u>hpux</u>
gid of <symlink></symlink>	gids	<integer></integer>	<symlink></symlink>	Plain	<u>hpux</u>
greatest hz	greatest hzs	<hertz></hertz>	<world></world>	PlainGlobal	core
greatest integer	greatest integers	<integer></integer>	<world></world>	PlainGlobal	core

Key Phrase	Plural	Creates a	From a	Form	Ref
greatest time interval	greatest time intervals	<time interval=""></time>	<world></world>	PlainGlobal	core
group <integer> of <site></site></integer>	groups	<site group=""></site>	<site></site>	Numbered	hpux
group execute of <filesystem object&gt;</filesystem 	group executes	<boolean></boolean>	<filesystem object=""></filesystem>	Plain	<u>hpux</u>
group leader of <action></action>	group leaders	<boolean></boolean>	<action></action>	Plain	hpux
group mask of <filesystem object&gt;</filesystem 	group masks	<integer></integer>	<filesystem object=""></filesystem>	Plain	hpux
group mask of <mode></mode>	group masks	<mode_mask></mode_mask>	<mode></mode>	Plain	hpux
group name of <filesystem object&gt;</filesystem 	group names	<string></string>	<filesystem object=""></filesystem>	Plain	hpux
group name of <symlink></symlink>	group names	<string></string>	<symlink></symlink>	Plain	hpux
group read of <filesystem object&gt;</filesystem 	group reads	<boolean></boolean>	<filesystem object=""></filesystem>	Plain	hpux
group write of <filesystem object&gt;</filesystem 	group writes	<boolean></boolean>	<filesystem object=""></filesystem>	Plain	<u>hpux</u>
h1 <string> of <html></html></string>	h1s	<html></html>	<html></html>	Named	core
h1 <string> of <string></string></string>	h1s	<html></html>	<string></string>	Named	core
h1 of <html></html>	h1s	<html></html>	<html></html>	Plain	core
h1 of <string></string>	h1s	<html></html>	<string></string>	Plain	core
h2 <string> of <html></html></string>	h2s	<html></html>	<html></html>	Named	core
h2 <string> of <string></string></string>	h2s	<html></html>	<string></string>	Named	core



Key Phrase	Plural	Creates a	From a	Form	Ref
h2 of <html></html>	h2s	<html></html>	<html></html>	Plain	core
h2 of <string></string>	h2s	<html></html>	<string></string>	Plain	core
h3 <string> of <html></html></string>	h3s	<html></html>	<html></html>	Named	core
h3 <string> of <string></string></string>	h3s	<html></html>	<string></string>	Named	core
h3 of <html></html>	h3s	<html></html>	<html></html>	Plain	core
h3 of <string></string>	h3s	<html></html>	<string></string>	Plain	core
h4 <string> of <html></html></string>	h4s	<html></html>	<html></html>	Named	core
h4 <string> of <string></string></string>	h4s	<html></html>	<string></string>	Named	core
h4 of <html></html>	h4s	<html></html>	<html></html>	Plain	core
h4 of <string></string>	h4s	<html></html>	<string></string>	Plain	core
h5 <string> of <html></html></string>	h5s	<html></html>	<html></html>	Named	core
h5 <string> of <string></string></string>	h5s	<html></html>	<string></string>	Named	core
h5 of <html></html>	h5s	<html></html>	<html></html>	Plain	core
h5 of <string></string>	h5s	<html></html>	<string></string>	Plain	core
h6 <string> of <html></html></string>	h6s	<html></html>	<html></html>	Named	core
h6 <string> of <string></string></string>	h6s	<html></html>	<string></string>	Named	core
h6 of <html></html>	h6s	<html></html>	<html></html>	Plain	core
h6 of <string></string>	h6s	<html></html>	<string></string>	Plain	core
head <string> of <html></html></string>	heads	<html></html>	<html></html>	Named	core

Key Phrase	Plural	Creates a	From a	Form	Ref
head <string> of <string></string></string>	heads	<html></html>	<string></string>	Named	core
head of <html></html>	heads	<html></html>	<html></html>	Plain	core
head of <string></string>	heads	<html></html>	<string></string>	Plain	core
header <string> of <fixlet></fixlet></string>	headers	<fixlet_header></fixlet_header>	<fixlet></fixlet>	Named	<u>hpux</u>
header of <fixlet></fixlet>	headers	<fixlet_header></fixlet_header>	<fixlet></fixlet>	Plain	<u>hpux</u>
hexadecet <integer> of <ipv4or6 address=""></ipv4or6></integer>	hexadecets	<integer></integer>	<ipv4or6 address=""></ipv4or6>	Numbered	core
hexadecet <integer> of <ipv6 address&gt;</ipv6 </integer>	hexadecets	<integer></integer>	<ipv6 address=""></ipv6>	Numbered	core
hexadecimal integer <string></string>	hexadecimal integers	<integer></integer>	<world></world>	NamedGlobal	core
hexadecimal string <string></string>	hexadecimal strings	<string></string>	<world></world>	NamedGlobal	core
host name	host names	<string></string>	<world></world>	PlainGlobal	<u>hpux</u>
host name of <root server=""></root>	host names	<string></string>	<root server=""></root>	Plain	<u>hpux</u>
hostname	hostnames	<string></string>	<world></world>	PlainGlobal	<u>hpux</u>
hour	hours	<time interval=""></time>	<world></world>	PlainGlobal	core
hour_of_day of <time day="" of="" with<br="">time zone&gt;</time>	hours_of_day	<integer></integer>	<time day="" of="" time="" with="" zone=""></time>	Plain	core
hour_of_day of <time day="" of=""></time>	hours_of_day	<integer></integer>	<time day="" of=""></time>	Plain	core
hr	hrs	<html></html>	<world></world>	PlainGlobal	core
hr <string></string>	hrs	<html></html>	<world></world>	NamedGlobal	core
html <string></string>	htmls	<html></html>	<world></world>	NamedGlobal	core



Key Phrase	Plural	Creates a	From a	Form	Ref
html <string> of <html></html></string>	htmls	<html></html>	<html></html>	Named	core
html <string> of <string></string></string>	htmls	<html></html>	<string></string>	Named	core
html concatenation <string> of <html></html></string>	html concatenations	<html></html>	<html></html>	Named	core
html concatenation of <html></html>	html concatenations	<html></html>	<html></html>	Plain	core
html of <html></html>	htmls	<html></html>	<html></html>	Plain	core
html of <string></string>	htmls	<html></html>	<string></string>	Plain	core
html tag <( string, html )>	html tags	<html></html>	<world></world>	Index<( string, html )>Global	core
html tag <( string, html attribute list )>	html tags	<html></html>	<world></world>	Index<( string, html attribute list )>Global	core
html tag <( string, html attribute list, html )>	html tags	<html></html>	<world></world>	Index<( string, html attribute list, html )>Global	core
html tag <( string, html attribute list, string )>	html tags	<html></html>	<world></world>	Index<( string, html attribute list, string )>Global	core
html tag <( string, string )>	html tags	<html></html>	<world></world>	Index<( string, string )>Global	core
html tag <string> of <html></html></string>	html tags	<html></html>	<html></html>	Named	core
html tag <string> of <string></string></string>	html tags	<html></html>	<string></string>	Named	core
hz	hzs	<hertz></hertz>	<world></world>	PlainGlobal	core
id of <action></action>	ids	<integer></integer>	<action></action>	Plain	<u>hpux</u>
id of <fixlet></fixlet>	ids	<integer></integer>	<fixlet></fixlet>	Plain	<u>hpux</u>
id of <pre>cess&gt;</pre>	ids	<integer></integer>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Plain	<u>hpux</u>

Key Phrase	Plural	Creates a	From a	Form	Ref
id of <root server=""></root>	ids	<integer></integer>	<root server=""></root>	Plain	<u>hpux</u>
id of <site group=""></site>	ids	<integer></integer>	<site group=""></site>	Plain	<u>hpux</u>
index of <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	indexes	<integer></integer>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Plain	<u>hpux</u>
index type of <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	index types	<type></type>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Plain	core
initial part <time interval&gt; of <time range&gt;</time </time 	initial parts	<time range=""></time>	<time range=""></time>	Index <time interval&gt;</time 	core
ins <string> of <html></html></string>	inss	<html></html>	<html></html>	Named	core
ins <string> of <string></string></string>	inss	<html></html>	<string></string>	Named	core
ins of <html></html>	inss	<html></html>	<html></html>	Plain	core
ins of <string></string>	inss	<html></html>	<string></string>	Plain	core
instance of <application usage<br="">summary&gt;</application>	instances	<application instance="" summary="" usage=""></application>	<application summary="" usage=""></application>	Plain	hpux
integer <integer></integer>	integers	<integer></integer>	<world></world>	NumberedGlobal	core
integer <string></string>	integers	<integer></integer>	<world></world>	NamedGlobal	core
integer in <( integer, integer)>	integers in	<integer></integer>	<world></world>	Index<( integer, integer )>Global	core
integer in <( integer, integer, integer)>	integers in	<integer></integer>	<world></world>	Index<( integer, integer, integer )>Global	core
integer to <integer></integer>	integers to	<integer></integer>	<world></world>	NumberedGlobal	core
interface <integer> of <network></network></integer>	interfaces	<network interface=""></network>	<network></network>	Numbered	hpux
interface of <network></network>	interfaces	<network interface=""></network>	<network></network>	Plain	<u>hpux</u>



Key Phrase	Plural	Creates a	From a	Form	Ref
intersection of <integer set=""></integer>	intersections	<integer set=""></integer>	<integer set=""></integer>	Plain	core
intersection of <string set=""></string>	intersections	<string set=""></string>	<string set=""></string>	Plain	core
invalid before of <x509 certificate=""></x509>	invalid befores	<time></time>	<x509 certificate=""></x509>	Plain	core
ip address of <selected server=""></selected>	ip addresses	<ipv4or6 address=""></ipv4or6>	<selected server=""></selected>	Plain	<u>hpux</u>
ip interface <integer> of <network></network></integer>	ip interfaces	<network interface="" ip=""></network>	<network></network>	Numbered	hpux
ip interface of <network></network>	ip interfaces	<network interface="" ip=""></network>	<network></network>	Plain	<u>hpux</u>
ip version <integer></integer>	ip versions	<ip version=""></ip>	<world></world>	NumberedGlobal	core
ip version of <ipv4or6 address=""></ipv4or6>	ip versions	<ip version=""></ip>	<ipv4or6 address=""></ipv4or6>	Plain	core
ipv4	ipv4s	<ip version=""></ip>	<world></world>	PlainGlobal	core
ipv4 address <string></string>	ipv4 addresses	<ipv4 address=""></ipv4>	<world></world>	NamedGlobal	core
ipv4 interface of <network adapter=""></network>	ipv4 interfaces	<network adapter="" interface=""></network>	<network adapter=""></network>	Plain	hpux
ipv4 interface of <network></network>	ipv4 interfaces	<network adapter="" interface=""></network>	<network></network>	Plain	<u>hpux</u>
ipv4 part of <ipv4or6 address=""></ipv4or6>	ipv4 parts	<ipv4 address=""></ipv4>	<ipv4or6 address=""></ipv4or6>	Plain	core
ipv4 part of <ipv6 address=""></ipv6>	ipv4 parts	<ipv4 address=""></ipv4>	<ipv6 address=""></ipv6>	Plain	core
ipv4or6 address <string></string>	ipv4or6 addresses	<ipv4or6 address=""></ipv4or6>	<world></world>	NamedGlobal	core
ipv4or6 interface of <network adapter&gt;</network 	ipv4or6 interfaces	<network adapter="" interface=""></network>	<network adapter=""></network>	Plain	hpux

Key Phrase	Plural	Creates a	From a	Form	Ref
ipv4or6 interface of <network></network>	ipv4or6 interfaces	<network adapter="" interface=""></network>	<network></network>	Plain	hpux
ipv6	ipv6s	<ip version=""></ip>	<world></world>	PlainGlobal	core
ipv6 address <string></string>	ipv6 addresses	<ipv6 address=""></ipv6>	<world></world>	NamedGlobal	core
ipv6 interface of <network adapter=""></network>	ipv6 interfaces	<network adapter="" interface=""></network>	<network adapter=""></network>	Plain	<u>hpux</u>
ipv6 interface of <network></network>	ipv6 interfaces	<network adapter="" interface=""></network>	<network></network>	Plain	<u>hpux</u>
italic <string> of <html></html></string>	italics	<html></html>	<html></html>	Named	core
italic <string> of <string></string></string>	italics	<html></html>	<string></string>	Named	core
italic of <html></html>	italics	<html></html>	<html></html>	Plain	core
italic of <string></string>	italics	<html></html>	<string></string>	Plain	core
january	januarys	<month></month>	<world></world>	PlainGlobal	core
january <integer></integer>	januarys	<day of="" year=""></day>	<world></world>	NumberedGlobal	core
january <integer> of <integer></integer></integer>	januarys	<date></date>	<integer></integer>	Numbered	core
january of <integer></integer>	januarys	<month and="" year=""></month>	<integer></integer>	Plain	core
july	julys	<month></month>	<world></world>	PlainGlobal	core
july <integer></integer>	julys	<day of="" year=""></day>	<world></world>	NumberedGlobal	core
july <integer> of <integer></integer></integer>	julys	<date></date>	<integer></integer>	Numbered	core
july of <integer></integer>	julys	<month and="" year=""></month>	<integer></integer>	Plain	core
june	junes	<month></month>	<world></world>	PlainGlobal	core
june <integer></integer>	junes	<day of="" year=""></day>	<world></world>	NumberedGlobal	core
june <integer> of <integer></integer></integer>	junes	<date></date>	<integer></integer>	Numbered	core



Key Phrase	Plural	Creates a	From a	Form	Ref
june of <integer></integer>	junes	<month and="" year=""></month>	<integer></integer>	Plain	core
kbd <string> of <html></html></string>	kbds	<html></html>	<html></html>	Named	core
kbd <string> of <string></string></string>	kbds	<html></html>	<string></string>	Named	core
kbd of <html></html>	kbds	<html></html>	<html></html>	Plain	core
kbd of <string></string>	kbds	<html></html>	<string></string>	Plain	core
key <string> of <file section=""></file></string>	keys	<string></string>	<file section=""></file>	Named	<u>hpux</u>
key <string> of <file></file></string>	keys	<string></string>	<file></file>	Named	<u>hpux</u>
khz	khzs	<hertz></hertz>	<world></world>	PlainGlobal	core
last <integer> of <string></string></integer>	lasts	<substring></substring>	<string></string>	Numbered	core
last <string> of <string></string></string>	lasts	<substring></substring>	<string></string>	Named	core
last change time of <action></action>	last change times	<time></time>	<action></action>	Plain	<u>hpux</u>
last gather time of <site></site>	last gather times	<time></time>	<site></site>	Plain	<u>hpux</u>
last relay select time	last relay select times	<time></time>	<world></world>	PlainGlobal	<u>hpux</u>
last start time of <application usage<br="">summary instance&gt;</application>	last start times	<time></time>	<application instance="" summary="" usage=""></application>	Plain	<u>hpux</u>
last start time of <application usage<br="">summary&gt;</application>	last start times	<time></time>	<application summary="" usage=""></application>	Plain	<u>hpux</u>
last time seen of <application usage<br="">summary instance&gt;</application>	last times seen	<time></time>	<application instance="" summary="" usage=""></application>	Plain	<u>hpux</u>

Key Phrase	Plural	Creates a	From a	Form	Ref
last time seen of <application usage<br="">summary&gt;</application>	last times seen	<time></time>	<application summary="" usage=""></application>	Plain	hpux
leap of <year></year>	leaps	<boolean></boolean>	<year></year>	Plain	core
least hz	least hzs	<hertz></hertz>	<world></world>	PlainGlobal	core
least integer	least integers	<integer></integer>	<world></world>	PlainGlobal	core
least significant one bit of bit set>	least significant one bits	<integer></integer>	        	Plain	core
least time interval	least time intervals	<time interval=""></time>	<world></world>	PlainGlobal	core
left operand type of <binary operator&gt;</binary 	left operand types	<type></type>	       	Plain	core
left shift <integer> of <bit set=""></bit></integer>	left shifts	        	        	Numbered	core
length of <month and="" year=""></month>	lengths	<time interval=""></time>	<month and="" year=""></month>	Plain	core
length of <rope></rope>	lengths	<integer></integer>	<rope></rope>	Plain	core
length of <string></string>	lengths	<integer></integer>	<string></string>	Plain	core
length of <time range=""></time>	lengths	<time interval=""></time>	<time range=""></time>	Plain	core
length of <year></year>	lengths	<time interval=""></time>	<year></year>	Plain	core
li <string> of <html></html></string>	lis	<html></html>	<html></html>	Named	core
li <string> of <string></string></string>	lis	<html></html>	<string></string>	Named	core
li of <html></html>	lis	<html></html>	<html></html>	Plain	core
li of <string></string>	lis	<html></html>	<string></string>	Plain	core
line <integer> of <file></file></integer>	lines	<file line=""></file>	<file></file>	Numbered	hpux



Key Phrase	Plural	Creates a	From a	Form	Ref
line containing <string> of <file></file></string>	lines containing	<file line=""></file>	<file></file>	Named	<u>hpux</u>
line number of <file line=""></file>	line numbers	<integer></integer>	<file line=""></file>	Plain	<u>hpux</u>
line of <file></file>	lines	<file line=""></file>	<file></file>	Plain	<u>hpux</u>
line starting with <string> of <file></file></string>	lines starting with	<file line=""></file>	<file></file>	Named	<u>hpux</u>
link <string> of <html></html></string>	links	<html></html>	<html></html>	Named	core
link <string> of <string></string></string>	links	<html></html>	<string></string>	Named	core
link count of <filesystem object&gt;</filesystem 	link counts	<integer></integer>	<filesystem object=""></filesystem>	Plain	<u>hpux</u>
link count of <symlink></symlink>	link counts	<integer></integer>	<symlink></symlink>	Plain	<u>hpux</u>
link of <html></html>	links	<html></html>	<html></html>	Plain	core
link of <string></string>	links	<html></html>	<string></string>	Plain	core
local time <string></string>	local times	<time></time>	<world></world>	NamedGlobal	core
local time zone	local time zones	<time zone=""></time>	<world></world>	PlainGlobal	core
location of <filesystem object&gt;</filesystem 	locations	<string></string>	<filesystem object=""></filesystem>	Plain	<u>hpux</u>
location of <symlink></symlink>	locations	<string></string>	<symlink></symlink>	Plain	<u>hpux</u>
lock string of <action lock="" state=""></action>	lock strings	<string></string>	<action lock="" state=""></action>	Plain	hpux
locked of <action lock="" state=""></action>	lockeds	<boolean></boolean>	<action lock="" state=""></action>	Plain	hpux
loopback of <network adapter<br="">interface&gt;</network>	loopbacks	<boolean></boolean>	<network adapter="" interface=""></network>	Plain	hpux

Key Phrase	Plural	Creates a	From a	Form	Ref
loopback of <network adapter=""></network>	loopbacks	<boolean></boolean>	<network adapter=""></network>	Plain	hpux
loopback of <network ip<br="">interface&gt;</network>	loopbacks	<boolean></boolean>	<network interface="" ip=""></network>	Plain	hpux
low of <power level=""></power>	lows	<boolean></boolean>	<power level=""></power>	Plain	<u>hpux</u>
mac address of <network adapter<br="">interface&gt;</network>	mac addresses	<string></string>	<network adapter="" interface=""></network>	Plain	<u>hpux</u>
mac address of <network adapter=""></network>	mac addresses	<string></string>	<network adapter=""></network>	Plain	hpux
mac address of <network ip<br="">interface&gt;</network>	mac addresses	<string></string>	<network interface="" ip=""></network>	Plain	<u>hpux</u>
mac of <operating system=""></operating>	macs	<boolean></boolean>	<pre><operating system=""></operating></pre>	Plain	<u>hpux</u>
main gather service	main gather services	<service></service>	<world></world>	PlainGlobal	<u>hpux</u>
main processor	main processors	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	<world></world>	PlainGlobal	<u>hpux</u>
major of <device file=""></device>	majors	<integer></integer>	<device file=""></device>	Plain	hpux
march	marchs	<month></month>	<world></world>	PlainGlobal	core
march <integer></integer>	marchs	<day of="" year=""></day>	<world></world>	NumberedGlobal	core
march <integer> of <integer></integer></integer>	marchs	<date></date>	<integer></integer>	Numbered	core
march of <integer></integer>	marchs	<month and="" year=""></month>	<integer></integer>	Plain	core
masthead of <site></site>	mastheads	<file></file>	<site></site>	Plain	<u>hpux</u>
match <regular expression&gt; of <string></string></regular 	matches	<regular expression="" match=""></regular>	<string></string>	Index <regular expression=""></regular>	regx
maximum of <date></date>	maxima	<date></date>	<date></date>	Plain	core



Key Phrase	Plural	Creates a	From a	Form	Ref
maximum of <day month="" of=""></day>	maxima	<day month="" of=""></day>	<day month="" of=""></day>	Plain	core
maximum of <day of="" year=""></day>	maxima	<day of="" year=""></day>	<day of="" year=""></day>	Plain	core
maximum of <evaluation cycle=""></evaluation>	maximums	<integer></integer>	<evaluation cycle=""></evaluation>	Plain	<u>hpux</u>
maximum of <hertz></hertz>	maxima	<hertz></hertz>	<hertz></hertz>	Plain	core
maximum of <integer></integer>	maxima	<integer></integer>	<integer></integer>	Plain	core
maximum of <ipv4 address=""></ipv4>	maxima	<ipv4 address=""></ipv4>	<ipv4 address=""></ipv4>	Plain	core
maximum of <ipv4or6 address=""></ipv4or6>	maxima	<ipv4or6 address=""></ipv4or6>	<ipv4or6 address=""></ipv4or6>	Plain	core
maximum of <ipv6 address=""></ipv6>	maxima	<ipv6 address=""></ipv6>	<ipv6 address=""></ipv6>	Plain	core
maximum of <month and="" year=""></month>	maxima	<month and="" year=""></month>	<month and="" year=""></month>	Plain	core
maximum of <month></month>	maxima	<month></month>	<month></month>	Plain	core
maximum of <number of<br="">months&gt;</number>	maxima	<number months="" of=""></number>	<number months="" of=""></number>	Plain	core
maximum of <site list="" version=""></site>	maxima	<site list="" version=""></site>	<site list="" version=""></site>	Plain	core
maximum of <time interval=""></time>	maxima	<time interval=""></time>	<time interval=""></time>	Plain	core
maximum of <time day="" of=""></time>	maxima	<time day="" of=""></time>	<time day="" of=""></time>	Plain	core
maximum of <time></time>	maxima	<time></time>	<time></time>	Plain	core
maximum of <version></version>	maxima	<version></version>	<version></version>	Plain	core

Key Phrase	Plural	Creates a	From a	Form	Ref
maximum of <year></year>	maxima	<year></year>	<year></year>	Plain	core
maximum seat count of <license></license>	maximum seat counts	<integer></integer>	<li>clicense&gt;</li>	Plain	<u>hpux</u>
may	mays	<month></month>	<world></world>	PlainGlobal	core
may <integer></integer>	mays	<day of="" year=""></day>	<world></world>	NumberedGlobal	core
may <integer> of <integer></integer></integer>	mays	<date></date>	<integer></integer>	Numbered	core
may of <integer></integer>	mays	<month and="" year=""></month>	<integer></integer>	Plain	core
member of <site group=""></site>	members	<boolean></boolean>	<site group=""></site>	Plain	<u>hpux</u>
meta <string> of <html></html></string>	metas	<html></html>	<html></html>	Named	core
meta <string> of <string></string></string>	metas	<html></html>	<string></string>	Named	core
meta of <html></html>	metas	<html></html>	<html></html>	Plain	core
meta of <string></string>	metas	<html></html>	<string></string>	Plain	core
mhz	mhzs	<hertz></hertz>	<world></world>	PlainGlobal	core
microsecond	microseconds	<time interval=""></time>	<world></world>	PlainGlobal	core
midnight	midnights	<time day="" of=""></time>	<world></world>	PlainGlobal	core
millisecond	milliseconds	<time interval=""></time>	<world></world>	PlainGlobal	core
minimum of <date></date>	minima	<date></date>	<date></date>	Plain	core
minimum of <day month="" of=""></day>	minima	<day month="" of=""></day>	<day month="" of=""></day>	Plain	core
minimum of <day of year&gt;</day 	minima	<day of="" year=""></day>	<day of="" year=""></day>	Plain	core
minimum of <hertz></hertz>	minima	<hertz></hertz>	<hertz></hertz>	Plain	core



Key Phrase	Plural	Creates a	From a	Form	Ref
minimum of <integer></integer>	minima	<integer></integer>	<integer></integer>	Plain	core
minimum of <ipv4 address=""></ipv4>	minima	<ipv4 address=""></ipv4>	<ipv4 address=""></ipv4>	Plain	core
minimum of <ipv4or6 address=""></ipv4or6>	minima	<ipv4or6 address=""></ipv4or6>	<ipv4or6 address=""></ipv4or6>	Plain	core
minimum of <ipv6 address=""></ipv6>	minima	<ipv6 address=""></ipv6>	<ipv6 address=""></ipv6>	Plain	core
minimum of <month and="" year=""></month>	minima	<month and="" year=""></month>	<month and="" year=""></month>	Plain	core
minimum of <month></month>	minima	<month></month>	<month></month>	Plain	core
minimum of <number of<br="">months&gt;</number>	minima	<number months="" of=""></number>	<number months="" of=""></number>	Plain	core
minimum of <site list="" version=""></site>	minima	<site list="" version=""></site>	<site list="" version=""></site>	Plain	core
minimum of <time interval=""></time>	minima	<time interval=""></time>	<time interval=""></time>	Plain	core
minimum of <time day="" of=""></time>	minima	<time day="" of=""></time>	<time day="" of=""></time>	Plain	core
minimum of <time></time>	minima	<time></time>	<time></time>	Plain	core
minimum of <version></version>	minima	<version></version>	<version></version>	Plain	core
minimum of <year></year>	minima	<year></year>	<year></year>	Plain	core
minor of <device file=""></device>	minors	<integer></integer>	<device file=""></device>	Plain	<u>hpux</u>
minute	minutes	<time interval=""></time>	<world></world>	PlainGlobal	core
minute_of_hour of <time day="" of="" with<br="">time zone&gt;</time>	minutes_of_hou r	<integer></integer>	<time day="" of="" time="" with="" zone=""></time>	Plain	core

Key Phrase	Plural	Creates a	From a	Form	Ref
minute_of_hour of <time day="" of=""></time>	minutes_of_hou r	<integer></integer>	<time day="" of=""></time>	Plain	core
mode of <filesystem object&gt;</filesystem 	modes	<mode></mode>	<filesystem object=""></filesystem>	Plain	hpux
model	models	<string></string>	<world></world>	PlainGlobal	<u>hpux</u>
model of <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	models	<string></string>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Plain	<u>hpux</u>
modification time of <filesystem object&gt;</filesystem 	modification times	<time></time>	<filesystem object=""></filesystem>	Plain	hpux
modification time of <symlink></symlink>	modification times	<time></time>	<symlink></symlink>	Plain	hpux
module <string></string>	modules	<module></module>	<world></world>	NamedGlobal	core
monday	mondays	<day of="" week=""></day>	<world></world>	PlainGlobal	core
month	months	<number months="" of=""></number>	<world></world>	PlainGlobal	core
month <integer></integer>	months	<month></month>	<world></world>	NumberedGlobal	core
month <string></string>	months	<month></month>	<world></world>	NamedGlobal	core
month of <date></date>	months	<month></month>	<date></date>	Plain	core
month of <day of="" year=""></day>	months	<month></month>	<day of="" year=""></day>	Plain	core
month of <month and="" year=""></month>	months	<month></month>	<month and="" year=""></month>	Plain	core
month_and_year of <date></date>	months_and_ye ars	<month and="" year=""></month>	<date></date>	Plain	core
most significant one bit of bit set>	most significant one bits	<integer></integer>	                	Plain	core
multicast support of <network adapter interface&gt;</network 	multicast supports	<boolean></boolean>	<network adapter="" interface=""></network>	Plain	hpux



Key Phrase	Plural	Creates a	From a	Form	Ref
multicast support of <network adapter=""></network>	multicast supports	<boolean></boolean>	<network adapter=""></network>	Plain	<u>hpux</u>
multicast support of <network interface="" ip=""></network>	multicast supports	<boolean></boolean>	<network interface="" ip=""></network>	Plain	hpux
multiplicity of <date with<br="">multiplicity&gt;</date>	multiplicities	<integer></integer>	<date multiplicity="" with=""></date>	Plain	core
multiplicity of <day of month with multiplicity&gt;</day 	multiplicities	<integer></integer>	<day month="" multiplicity="" of="" with=""></day>	Plain	core
multiplicity of <day of week with multiplicity&gt;</day 	multiplicities	<integer></integer>	<day multiplicity="" of="" week="" with=""></day>	Plain	core
multiplicity of <day of year with multiplicity&gt;</day 	multiplicities	<integer></integer>	<day multiplicity="" of="" with="" year=""></day>	Plain	core
multiplicity of <hertz with<br="">multiplicity&gt;</hertz>	multiplicities	<integer></integer>	<hertz multiplicity="" with=""></hertz>	Plain	core
multiplicity of <integer with<br="">multiplicity&gt;</integer>	multiplicities	<integer></integer>	<integer multiplicity="" with=""></integer>	Plain	core
multiplicity of <ipv4 address with multiplicity&gt;</ipv4 	multiplicities	<integer></integer>	<ipv4 address="" multiplicity="" with=""></ipv4>	Plain	core
multiplicity of <ipv4or6 address<br="">with multiplicity&gt;</ipv4or6>	multiplicities	<integer></integer>	<ipv4or6 address="" multiplicity="" with=""></ipv4or6>	Plain	core
multiplicity of <ipv6 address with multiplicity&gt;</ipv6 	multiplicities	<integer></integer>	<ipv6 address="" multiplicity="" with=""></ipv6>	Plain	core
multiplicity of <month and="" year<br="">with multiplicity&gt;</month>	multiplicities	<integer></integer>	<month and="" multiplicity="" with="" year=""></month>	Plain	core

Key Phrase	Plural	Creates a	From a	Form	Ref
multiplicity of <month with<br="">multiplicity&gt;</month>	multiplicities	<integer></integer>	<month multiplicity="" with=""></month>	Plain	core
multiplicity of <number of<br="">months with multiplicity&gt;</number>	multiplicities	<integer></integer>	<number months="" multiplicity="" of="" with=""></number>	Plain	core
multiplicity of <site list="" multiplicity="" version="" with=""></site>	multiplicities	<integer></integer>	<site list="" multiplicity="" version="" with=""></site>	Plain	core
multiplicity of <string with<br="">multiplicity&gt;</string>	multiplicities	<integer></integer>	<string multiplicity="" with=""></string>	Plain	core
multiplicity of <time interval="" with<br="">multiplicity&gt;</time>	multiplicities	<integer></integer>	<time interval="" multiplicity="" with=""></time>	Plain	core
multiplicity of <time day="" of="" with<br="">multiplicity&gt;</time>	multiplicities	<integer></integer>	<time day="" multiplicity="" of="" with=""></time>	Plain	core
multiplicity of <time day="" of="" with<br="">time zone with multiplicity&gt;</time>	multiplicities	<integer></integer>	<time day="" of="" with<br="">time zone with multiplicity&gt;</time>	Plain	core
multiplicity of <time range="" with<br="">multiplicity&gt;</time>	multiplicities	<integer></integer>	<time multiplicity="" range="" with=""></time>	Plain	core
multiplicity of <time with<br="">multiplicity&gt;</time>	multiplicities	<integer></integer>	<time multiplicity="" with=""></time>	Plain	core
multiplicity of <time with<br="" zone="">multiplicity&gt;</time>	multiplicities	<integer></integer>	<time multiplicity="" with="" zone=""></time>	Plain	core
multiplicity of <version with<br="">multiplicity&gt;</version>	multiplicities	<integer></integer>	<version multiplicity="" with=""></version>	Plain	core
multiplicity of <year with<br="">multiplicity&gt;</year>	multiplicities	<integer></integer>	<year multiplicity="" with=""></year>	Plain	core



Key Phrase	Plural	Creates a	From a	Form	Ref
multivalued of <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	multivalueds	<boolean></boolean>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Plain	core
name of <application usage<br="">summary instance&gt;</application>	names	<string></string>	<application instance="" summary="" usage=""></application>	Plain	<u>hpux</u>
name of <application usage<br="">summary&gt;</application>	names	<string></string>	<application summary="" usage=""></application>	Plain	hpux
name of <bes product=""></bes>	names	<string></string>	          	Plain	<u>hpux</u>
name of operator>	names	<string></string>	   	Plain	core
name of <cast></cast>	names	<string></string>	<cast></cast>	Plain	core
name of <environment variable&gt;</environment 	names	<string></string>	<environment variable=""></environment>	Plain	<u>hpux</u>
name of <filesystem object&gt;</filesystem 	names	<string></string>	<pre><filesystem object=""></filesystem></pre>	Plain	<u>hpux</u>
name of <filesystem></filesystem>	names	<string></string>	<filesystem></filesystem>	Plain	<u>hpux</u>
name of <fixlet_header></fixlet_header>	names	<string></string>	<fixlet_header></fixlet_header>	Plain	<u>hpux</u>
name of <network adapter=""></network>	names	<string></string>	<network adapter=""></network>	Plain	<u>hpux</u>
name of <network interface="" ip=""></network>	names	<string></string>	<network interface="" ip=""></network>	Plain	<u>hpux</u>
name of <operating system&gt;</operating 	names	<string></string>	<pre><operating system=""></operating></pre>	Plain	hpux
name of <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	names	<string></string>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Plain	<u>hpux</u>
name of <selected server=""></selected>	names	<string></string>	<selected server=""></selected>	Plain	<u>hpux</u>

Key Phrase	Plural	Creates a	From a	Form	Ref
name of <setting></setting>	names	<string></string>	<setting></setting>	Plain	hpux
name of <site></site>	names	<string></string>	<site></site>	Plain	hpux
name of <symlink></symlink>	names	<string></string>	<symlink></symlink>	Plain	hpux
name of <type></type>	names	<string></string>	<type></type>	Plain	core
name of <unary operator=""></unary>	names	<string></string>	<unary operator=""></unary>	Plain	core
name of <user></user>	names	<string></string>	<user></user>	Plain	hpux
network	networks	<network></network>	<world></world>	PlainGlobal	<u>hpux</u>
next line of <file line&gt;</file 	next lines	<file line=""></file>	<file line=""></file>	Plain	<u>hpux</u>
non windows server count of <bes product=""></bes>	non windows server counts	<integer></integer>	<bes product=""></bes>	Plain	<u>hpux</u>
noon	noons	<time day="" of=""></time>	<world></world>	PlainGlobal	core
normal of <power level=""></power>	normals	<boolean></boolean>	<power level=""></power>	Plain	<u>hpux</u>
november	novembers	<month></month>	<world></world>	PlainGlobal	core
november <integer></integer>	novembers	<day of="" year=""></day>	<world></world>	NumberedGlobal	core
november <integer> of <integer></integer></integer>	novembers	<date></date>	<integer></integer>	Numbered	core
november of <integer></integer>	novembers	<month and="" year=""></month>	<integer></integer>	Plain	core
now	nows	<time></time>	<world></world>	PlainGlobal	core
numeric value of <string></string>	numeric values	<integer></integer>	<string></string>	Plain	core
october	octobers	<month></month>	<world></world>	PlainGlobal	core
october <integer></integer>	octobers	<day of="" year=""></day>	<world></world>	NumberedGlobal	core



Key Phrase	Plural	Creates a	From a	Form	Ref
october <integer> of <integer></integer></integer>	octobers	<date></date>	<integer></integer>	Numbered	core
october of <integer></integer>	octobers	<month and="" year=""></month>	<integer></integer>	Plain	core
offer accepted of <action></action>	offer accepteds	<boolean></boolean>	<action></action>	Plain	hpux
offer of <action></action>	offers	<boolean></boolean>	<action></action>	Plain	hpux
ol <string> of <html></html></string>	ols	<html></html>	<html></html>	Named	core
ol <string> of <string></string></string>	ols	<html></html>	<string></string>	Named	core
ol of <html></html>	ols	<html></html>	<html></html>	Plain	core
ol of <string></string>	ols	<html></html>	<string></string>	Plain	core
one bit of <bit set=""></bit>	one bits	<integer></integer>	          	Plain	core
operand type of <cast></cast>	operand types	<type></type>	<cast></cast>	Plain	core
operand type of <unary operator=""></unary>	operand types	<type></type>	<unary operator=""></unary>	Plain	core
operating system	operating systems	<pre><operating system=""></operating></pre>	<world></world>	PlainGlobal	hpux
ordered list <string> of <html></html></string>	ordered lists	<html></html>	<html></html>	Named	core
ordered list <string> of <string></string></string>	ordered lists	<html></html>	<string></string>	Named	core
ordered list of <a href="https://example.com/">httml&gt;</a>	ordered lists	<html></html>	<html></html>	Plain	core
ordered list of <string></string>	ordered lists	<html></html>	<string></string>	Plain	core
organization of <license></license>	organizations	<string></string>	<li>clicense&gt;</li>	Plain	hpux

Key Phrase	Plural	Creates a	From a	Form	Ref
origin fixlet id of <action></action>	origin fixlet ids	<integer></integer>	<action></action>	Plain	hpux
other execute of <filesystem object&gt;</filesystem 	other executes	<boolean></boolean>	<filesystem object=""></filesystem>	Plain	hpux
other mask of <filesystem object&gt;</filesystem 	other masks	<integer></integer>	<filesystem object=""></filesystem>	Plain	hpux
other mask of <mode></mode>	other masks	<mode_mask></mode_mask>	<mode></mode>	Plain	<u>hpux</u>
other read of <filesystem object&gt;</filesystem 	other reads	<boolean></boolean>	<filesystem object=""></filesystem>	Plain	hpux
other write of <filesystem object&gt;</filesystem 	other writes	<boolean></boolean>	<filesystem object=""></filesystem>	Plain	hpux
p <string> of <html></html></string>	ps	<html></html>	<html></html>	Named	core
p <string> of <string></string></string>	ps	<html></html>	<string></string>	Named	core
p of <html></html>	ps	<html></html>	<html></html>	Plain	core
p of <string></string>	ps	<html></html>	<string></string>	Plain	core
parameter <string></string>	parameters	<string></string>	<world></world>	NamedGlobal	<u>hpux</u>
parameter <string> of <action></action></string>	parameters	<string></string>	<action></action>	Named	hpux
parent folder of <filesystem object&gt;</filesystem 	parent folders	<folder></folder>	<filesystem object=""></filesystem>	Plain	hpux
parent folder of <symlink></symlink>	parent folders	<folder></folder>	<symlink></symlink>	Plain	<u>hpux</u>
parent of <type></type>	parents	<type></type>	<type></type>	Plain	core



Key Phrase	Plural	Creates a	From a	Form	Ref
parenthesized part <integer> of <regular expression match&gt;</regular </integer>	parenthesized parts	<substring></substring>	<regular expression="" match=""></regular>	Numbered	regx
parenthesized part of <regular expression match&gt;</regular 	parenthesized parts	<substring></substring>	<regular expression="" match=""></regular>	Plain	regx
pathname of <filesystem object&gt;</filesystem 	pathnames	<string></string>	<filesystem object=""></filesystem>	Plain	<u>hpux</u>
pathname of <symlink></symlink>	pathnames	<string></string>	<symlink></symlink>	Plain	hpux
pending login	pending logins	<boolean></boolean>	<world></world>	PlainGlobal	<u>hpux</u>
pending login of <action></action>	pending logins	<boolean></boolean>	<action></action>	Plain	<u>hpux</u>
pending of <action></action>	pendings	<boolean></boolean>	<action></action>	Plain	<u>hpux</u>
pending restart	pending restarts	<boolean></boolean>	<world></world>	PlainGlobal	<u>hpux</u>
pending restart <string></string>	pending restarts	<boolean></boolean>	<world></world>	NamedGlobal	<u>hpux</u>
pending restart name	pending restart names	<string></string>	<world></world>	PlainGlobal	<u>hpux</u>
pending restart of <action></action>	pending restarts	<boolean></boolean>	<action></action>	Plain	<u>hpux</u>
pending time of <action></action>	pending times	<time></time>	<action></action>	Plain	<u>hpux</u>
pid of <pre>cess&gt;</pre>	pids	<integer></integer>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Plain	<u>hpux</u>
platform id of <language></language>	platform ids	<string></string>	<language></language>	Plain	<u>hpux</u>
plugged of <power level=""></power>	pluggeds	<boolean></boolean>	<power level=""></power>	Plain	hpux
plural name of <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	plural names	<string></string>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Plain	core

Key Phrase	Plural	Creates a	From a	Form	Ref
point to point of <network adapter<br="">interface&gt;</network>	point to points	<boolean></boolean>	<network adapter="" interface=""></network>	Plain	hpux
point to point of <network ip<br="">interface&gt;</network>	point to points	<boolean></boolean>	<network interface="" ip=""></network>	Plain	hpux
port number of <selected server=""></selected>	port numbers	<integer></integer>	<selected server=""></selected>	Plain	<u>hpux</u>
position <integer> of <string></string></integer>	positions	<string position=""></string>	<string></string>	Numbered	core
position of <string></string>	positions	<string position=""></string>	<string></string>	Plain	core
power level	power levels	<power level=""></power>	<world></world>	PlainGlobal	<u>hpux</u>
pre <string> of <html></html></string>	pres	<html></html>	<html></html>	Named	core
pre <string> of <string></string></string>	pres	<html></html>	<string></string>	Named	core
pre of <html></html>	pres	<html></html>	<html></html>	Plain	core
pre of <string></string>	pres	<html></html>	<string></string>	Plain	core
preceding text of <string position=""></string>	preceding texts	<substring></substring>	<string position=""></string>	Plain	core
preceding text of <substring></substring>	preceding texts	<substring></substring>	<substring></substring>	Plain	core
previous line of <file line=""></file>	previous lines	<file line=""></file>	<file line=""></file>	Plain	<u>hpux</u>
primary language of <language></language>	primary languages	<pre><pre><pre><pre>anguage&gt;</pre></pre></pre></pre>	<language></language>	Plain	<u>hpux</u>
priority of <selected server=""></selected>	priorities	<integer></integer>	<selected server=""></selected>	Plain	hpux
process	processes	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	<world></world>	PlainGlobal	<u>hpux</u>
process <integer></integer>	processes	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	<world></world>	NumberedGlobal	<u>hpux</u>
process <string></string>	processes	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	<world></world>	NamedGlobal	hpux



Key Phrase	Plural	Creates a	From a	Form	Ref
process id of <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	process ids	<integer></integer>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Plain	<u>hpux</u>
processor	processors	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	<world></world>	PlainGlobal	<u>hpux</u>
processor <integer></integer>	processors	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	<world></world>	NumberedGlobal	<u>hpux</u>
product <string> of <software_depot></software_depot></string>	products	<pre><pre><pre><pre></pre></pre></pre></pre>	<software_depot></software_depot>	Named	<u>hpux</u>
product of <bundle></bundle>	products	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	<bundle></bundle>	Plain	<u>hpux</u>
product of <integer></integer>	products	<integer></integer>	<integer></integer>	Plain	core
product of <li>clicense&gt;</li>	products	       	<li><li><li><li></li></li></li></li>	Plain	<u>hpux</u>
product of <software_depot></software_depot>	products	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	<software_depot></software_depot>	Plain	<u>hpux</u>
property <string></string>	properties	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	<world></world>	NamedGlobal	core
property <string> of <type></type></string>	properties	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	<type></type>	Named	core
property of <type></type>	properties	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	<type></type>	Plain	core
property returning <type></type>	properties returning	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	<world></world>	Index <type>Glob al</type>	core
property returning <type> of <type></type></type>	properties returning	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	<type></type>	Index <type></type>	core
q <string> of <html></html></string>	qs	<html></html>	<html></html>	Named	core
q <string> of <string></string></string>	qs	<html></html>	<string></string>	Named	core
q of <html></html>	qs	<html></html>	<html></html>	Plain	core
q of <string></string>	qs	<html></html>	<string></string>	Plain	core
ram	rams	<ram></ram>	<world></world>	PlainGlobal	<u>hpux</u>

Key Phrase	Plural	Creates a	From a	Form	Ref
random access memory	random access memories	<ram></ram>	<world></world>	PlainGlobal	hpux
range after <time> of <time range=""></time></time>	ranges after	<time range=""></time>	<time range=""></time>	Index <time></time>	core
range before <time> of <time range&gt;</time </time>	ranges before	<time range=""></time>	<time range=""></time>	Index <time></time>	core
read of <mode_mask></mode_mask>	reads	<boolean></boolean>	<mode_mask></mode_mask>	Plain	hpux
regex <string></string>	regexes	<regular expression&gt;</regular 	<world></world>	NamedGlobal	regx
regex escape of <string></string>	regex escapes	<string></string>	<string></string>	Plain	regx
registrar number of <license></license>	registrar numbers	<integer></integer>	<li>clicense&gt;</li>	Plain	hpux
registration address of <client></client>	registration addresses	<ipv4or6 address=""></ipv4or6>	<cli>client&gt;</cli>	Plain	hpux
registration cidr address of <client></client>	registration cidr addresses	<string></string>	<cli><cli><cli><cli><cli><cli><cli><cli></cli></cli></cli></cli></cli></cli></cli></cli>	Plain	hpux
registration mac address of <client></client>	registration mac addresses	<string></string>	<cli><cli><cli><cli><cli><cli><cli><cli></cli></cli></cli></cli></cli></cli></cli></cli>	Plain	hpux
registration subnet address of <client></client>	registration subnet addresses	<ipv4or6 address=""></ipv4or6>	<cli><cli><cli><cli><cli><cli><cli><cli></cli></cli></cli></cli></cli></cli></cli></cli>	Plain	hpux
regular expression <string></string>	regular expressions	<regular expression&gt;</regular 	<world></world>	NamedGlobal	regx
relay service	relay services	<service></service>	<world></world>	PlainGlobal	hpux
release of <operating system&gt;</operating 	releases	<string></string>	<pre><operating system=""></operating></pre>	Plain	hpux
relevance of <fixlet></fixlet>	relevances	<boolean></boolean>	<fixlet></fixlet>	Plain	hpux



Key Phrase	Plural	Creates a	From a	Form	Ref
relevant fixlet of <site></site>	relevant fixlets	<fixlet></fixlet>	<site></site>	Plain	hpux
relevant offer action of <site></site>	relevant offer actions	<action></action>	<site></site>	Plain	<u>hpux</u>
result type of <binary operator=""></binary>	result types	<type></type>	    	Plain	core
result type of <cast></cast>	result types	<type></type>	<cast></cast>	Plain	core
result type of <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	result types	<type></type>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Plain	core
result type of <unary operator=""></unary>	result types	<type></type>	<unary operator=""></unary>	Plain	core
revision of <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	revisions	<string></string>	<pre><pre><pre><pre></pre></pre></pre></pre>	Plain	hpux
right operand type of operator>	right operand types	<type></type>	          	Plain	core
right shift <integer> of <bit set&gt;</bit </integer>	right shifts	    	   	Numbered	core
root folder	root folders	<folder></folder>	<world></world>	PlainGlobal	<u>hpux</u>
root server	root servers	<root server=""></root>	<world></world>	PlainGlobal	<u>hpux</u>
rope <string></string>	ropes	<rope></rope>	<world></world>	NamedGlobal	core
runlevel	runlevels	<runlevel></runlevel>	<world></world>	PlainGlobal	<u>hpux</u>
running of <application usage<br="">summary&gt;</application>	runnings	<boolean></boolean>	<application summary="" usage=""></application>	Plain	hpux
running service <string></string>	running services	<service></service>	<world></world>	NamedGlobal	<u>hpux</u>
samp <string> of <html></html></string>	samps	<html></html>	<html></html>	Named	core
samp <string> of <string></string></string>	samps	<html></html>	<string></string>	Named	core

Key Phrase	Plural	Creates a	From a	Form	Ref
samp of <html></html>	samps	<html></html>	<html></html>	Plain	core
samp of <string></string>	samps	<html></html>	<string></string>	Plain	core
saturday	saturdays	<day of="" week=""></day>	<world></world>	PlainGlobal	core
seat count state of <li>cense&gt;</li>	seat count states	<string></string>	<li><li><li><li></li></li></li></li>	Plain	hpux
seat of <license></license>	seats	<integer></integer>	<li><li><li><li><li></li></li></li></li></li>	Plain	<u>hpux</u>
second	seconds	<time interval=""></time>	<world></world>	PlainGlobal	core
second_of_minute of <time day<br="" of="">with time zone&gt;</time>	seconds_of_min ute	<integer></integer>	<time day="" of="" time="" with="" zone=""></time>	Plain	core
second_of_minute of <time day="" of=""></time>	seconds_of_min ute	<integer></integer>	<time day="" of=""></time>	Plain	core
section <string> of <file></file></string>	sections	<file section=""></file>	<file></file>	Named	<u>hpux</u>
selected server	selected servers	<selected server=""></selected>	<world></world>	PlainGlobal	<u>hpux</u>
september	septembers	<month></month>	<world></world>	PlainGlobal	core
september <integer></integer>	septembers	<day of="" year=""></day>	<world></world>	NumberedGlobal	core
september <integer> of <integer></integer></integer>	septembers	<date></date>	<integer></integer>	Numbered	core
september of <integer></integer>	septembers	<month and="" year=""></month>	<integer></integer>	Plain	core
service <string></string>	services	<service></service>	<world></world>	NamedGlobal	<u>hpux</u>
set of <integer></integer>	sets	<integer set=""></integer>	<integer></integer>	Plain	core
set of <string></string>	sets	<string set=""></string>	<string></string>	Plain	core
setgid of <filesystem object&gt;</filesystem 	setgids	<boolean></boolean>	<filesystem object=""></filesystem>	Plain	hpux
setgid of <mode></mode>	setgids	<boolean></boolean>	<mode></mode>	Plain	hpux



Key Phrase	Plural	Creates a	From a	Form	Ref
setting <string> of <cli>ent&gt;</cli></string>	settings	<setting></setting>	<cli>client&gt;</cli>	Named	<u>hpux</u>
setting <string> of <site></site></string>	settings	<setting></setting>	<site></site>	Named	<u>hpux</u>
setting of <client></client>	settings	<setting></setting>	<cli>ent&gt;</cli>	Plain	<u>hpux</u>
setting of <site></site>	settings	<setting></setting>	<site></site>	Plain	<u>hpux</u>
setuid of <filesystem object&gt;</filesystem 	setuids	<boolean></boolean>	<filesystem object=""></filesystem>	Plain	hpux
setuid of <mode></mode>	setuids	<boolean></boolean>	<mode></mode>	Plain	<u>hpux</u>
sha1 of <file></file>	sha1s	<string></string>	<file></file>	Plain	<u>hpux</u>
sha1 of <x509 certificate=""></x509>	sha1s	<string></string>	<x509 certificate=""></x509>	Plain	core
significant digits <integer> of <hertz></hertz></integer>	significant digitss	<hertz></hertz>	<hertz></hertz>	Numbered	core
significant digits <integer> of <integer></integer></integer>	significant digitss	<integer></integer>	<integer></integer>	Numbered	core
singular name of <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	singular names	<string></string>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Plain	core
site	sites	<site></site>	<world></world>	PlainGlobal	<u>hpux</u>
site <string></string>	sites	<site></site>	<world></world>	NamedGlobal	<u>hpux</u>
site number of <license></license>	site numbers	<integer></integer>	<li><li><li><li></li></li></li></li>	Plain	<u>hpux</u>
site of <fixlet></fixlet>	sites	<site></site>	<fixlet></fixlet>	Plain	<u>hpux</u>
site tag of <site></site>	site tags	<string></string>	<site></site>	Plain	<u>hpux</u>
site url of <bes product=""></bes>	site urls	<string></string>	<bes product=""></bes>	Plain	<u>hpux</u>
site version list <string></string>	site version lists	<site list="" version=""></site>	<world></world>	NamedGlobal	core

Key Phrase	Plural	Creates a	From a	Form	Ref
site version list of <site></site>	site version lists	<site list="" version=""></site>	<site></site>	Plain	hpux
size of <application instance="" summary="" usage=""></application>	sizes	<integer></integer>	<application instance="" summary="" usage=""></application>	Plain	hpux
size of <file></file>	sizes	<integer></integer>	<file></file>	Plain	<u>hpux</u>
size of <filesystem></filesystem>	sizes	<integer></integer>	<filesystem></filesystem>	Plain	hpux
size of <integer set&gt;</integer 	sizes	<integer></integer>	<integer set=""></integer>	Plain	core
size of <ram></ram>	sizes	<integer></integer>	<ram></ram>	Plain	<u>hpux</u>
size of <string set=""></string>	sizes	<integer></integer>	<string set=""></string>	Plain	core
size of <swap></swap>	sizes	<integer></integer>	<swap></swap>	Plain	<u>hpux</u>
size of <type></type>	sizes	<integer></integer>	<type></type>	Plain	core
small <string> of <html></html></string>	smalls	<html></html>	<html></html>	Named	core
small <string> of <string></string></string>	smalls	<html></html>	<string></string>	Named	core
small of <html></html>	smalls	<html></html>	<html></html>	Plain	core
small of <string></string>	smalls	<html></html>	<string></string>	Plain	core
socket file <filesystem object&gt;</filesystem 	socket files	<socket file=""></socket>	<world></world>	Index <filesystem object&gt;Global</filesystem 	hpux
socket file <string></string>	socket files	<socket file=""></socket>	<world></world>	NamedGlobal	<u>hpux</u>
socket file <string> of <folder></folder></string>	socket files	<socket file=""></socket>	<folder></folder>	Named	hpux
socket file <symlink></symlink>	socket files	<socket file=""></socket>	<world></world>	Index <symlink>GI obal</symlink>	hpux
socket file of <folder></folder>	socket files	<socket file=""></socket>	<folder></folder>	Plain	<u>hpux</u>



Key Phrase	Plural	Creates a	From a	Form	Ref
software depot	software depots	<software_depot></software_depot>	<world></world>	PlainGlobal	hpux
span <string> of <html></html></string>	spans	<html></html>	<html></html>	Named	core
span <string> of <string></string></string>	spans	<html></html>	<string></string>	Named	core
span of <html></html>	spans	<html></html>	<html></html>	Plain	core
span of <string></string>	spans	<html></html>	<string></string>	Plain	core
speed of <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	speeds	<hertz></hertz>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Plain	<u>hpux</u>
start date of <license></license>	start dates	<time></time>	<li><li><li><li></li></li></li></li>	Plain	<u>hpux</u>
start of <substring></substring>	starts	<string position=""></string>	<substring></substring>	Plain	core
start of <time range=""></time>	starts	<time></time>	<time range=""></time>	Plain	core
state of <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	states	<string></string>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Plain	<u>hpux</u>
state of <service></service>	states	<string></string>	<service></service>	Plain	<u>hpux</u>
status of <action></action>	statuss	<string></string>	<action></action>	Plain	<u>hpux</u>
sticky of <mode></mode>	stickies	<boolean></boolean>	<mode></mode>	Plain	<u>hpux</u>
string <string></string>	strings	<string></string>	<world></world>	NamedGlobal	core
string version of <application usage<br="">summary instance&gt;</application>	string versions	<string></string>	<application instance="" summary="" usage=""></application>	Plain	hpux
strong <string> of <html></html></string>	strongs	<html></html>	<html></html>	Named	core
strong <string> of <string></string></string>	strongs	<html></html>	<string></string>	Named	core
strong of <html></html>	strongs	<html></html>	<html></html>	Plain	core

Key Phrase	Plural	Creates a	From a	Form	Ref
strong of <string></string>	strongs	<html></html>	<string></string>	Plain	core
sub <string> of <html></html></string>	subs	<html></html>	<html></html>	Named	core
sub <string> of <string></string></string>	subs	<html></html>	<string></string>	Named	core
sub of <html></html>	subs	<html></html>	<html></html>	Plain	core
sub of <string></string>	subs	<html></html>	<string></string>	Plain	core
subnet address of <network adapter<br="">interface&gt;</network>	subnet addresses	<ipv4or6 address=""></ipv4or6>	<network adapter="" interface=""></network>	Plain	hpux
subnet address of <network adapter=""></network>	subnet addresses	<ipv4 address=""></ipv4>	<network adapter=""></network>	Plain	<u>hpux</u>
subnet address of <network ip<br="">interface&gt;</network>	subnet addresses	<ipv4 address=""></ipv4>	<network interface="" ip=""></network>	Plain	<u>hpux</u>
subnet mask of <network adapter<br="">interface&gt;</network>	subnet masks	<ipv4or6 address=""></ipv4or6>	<network adapter="" interface=""></network>	Plain	<u>hpux</u>
subnet mask of <network adapter=""></network>	subnet masks	<ipv4 address=""></ipv4>	<network adapter=""></network>	Plain	<u>hpux</u>
subnet mask of <network ip<br="">interface&gt;</network>	subnet masks	<ipv4 address=""></ipv4>	<network interface="" ip=""></network>	Plain	<u>hpux</u>
subscribe time of <site></site>	subscribe times	<time></time>	<site></site>	Plain	<u>hpux</u>
substring <( integer, integer)> of <string></string>	substrings	<substring></substring>	<string></string>	Index<( integer, integer )>	core
substring <string> of <string></string></string>	substrings	<substring></substring>	<string></string>	Named	core
substring after <string> of <string></string></string>	substrings after	<substring></substring>	<string></string>	Named	core



Key Phrase	Plural	Creates a	From a	Form	Ref
substring before <string> of <string></string></string>	substrings before	<substring></substring>	<string></string>	Named	core
substring between <string> of <string></string></string>	substrings between	<substring></substring>	<string></string>	Named	core
substring separated by <string> of <string></string></string>	substrings separated by	<substring></substring>	<string></string>	Named	core
sum of <integer></integer>	sums	<integer></integer>	<integer></integer>	Plain	core
sum of <time interval&gt;</time 	sums	<time interval=""></time>	<time interval=""></time>	Plain	core
sunday	sundays	<day of="" week=""></day>	<world></world>	PlainGlobal	core
sup <string> of <html></html></string>	sups	<html></html>	<html></html>	Named	core
sup <string> of <string></string></string>	sups	<html></html>	<string></string>	Named	core
sup of <html></html>	sups	<html></html>	<html></html>	Plain	core
sup of <string></string>	sups	<html></html>	<string></string>	Plain	core
swap	swaps	<swap></swap>	<world></world>	PlainGlobal	<u>hpux</u>
symbol of operator>	symbols	<string></string>	        	Plain	core
symbol of <unary operator=""></unary>	symbols	<string></string>	<unary operator=""></unary>	Plain	core
symlink <filesystem object&gt;</filesystem 	symlinks	<symlink></symlink>	<world></world>	Index <filesystem object&gt;Global</filesystem 	hpux
symlink <string></string>	symlinks	<symlink></symlink>	<world></world>	NamedGlobal	<u>hpux</u>
symlink <string> of <folder></folder></string>	symlinks	<symlink></symlink>	<folder></folder>	Named	<u>hpux</u>
symlink <symlink></symlink>	symlinks	<symlink></symlink>	<world></world>	Index <symlink>GI obal</symlink>	hpux

Key Phrase	Plural	Creates a	From a	Form	Ref
symlink of <folder></folder>	symlinks	<symlink></symlink>	<folder></folder>	Plain	<u>hpux</u>
system language	system languages	<string></string>	<world></world>	PlainGlobal	hpux
system locale	system locales	<language></language>	<world></world>	PlainGlobal	<u>hpux</u>
system ui language	system ui languages	<language></language>	<world></world>	PlainGlobal	<u>hpux</u>
table <string> of <html></html></string>	tables	<html></html>	<html></html>	Named	core
table <string> of <string></string></string>	tables	<html></html>	<string></string>	Named	core
table of <html></html>	tables	<html></html>	<html></html>	Plain	core
table of <string></string>	tables	<html></html>	<string></string>	Plain	core
tag of <pre>cproduct&gt;</pre>	tags	<string></string>	<pre><pre><pre><pre></pre></pre></pre></pre>	Plain	<u>hpux</u>
tbody <string> of <html></html></string>	tbodys	<html></html>	<html></html>	Named	core
tbody <string> of <string></string></string>	tbodys	<html></html>	<string></string>	Named	core
tbody of <html></html>	tbodys	<html></html>	<html></html>	Plain	core
tbody of <string></string>	tbodys	<html></html>	<string></string>	Plain	core
td <string> of <html></html></string>	tds	<html></html>	<html></html>	Named	core
td <string> of <string></string></string>	tds	<html></html>	<string></string>	Named	core
td of <html></html>	tds	<html></html>	<html></html>	Plain	core
td of <string></string>	tds	<html></html>	<string></string>	Plain	core
tfoot <string> of <html></html></string>	tfoots	<html></html>	<html></html>	Named	core
tfoot <string> of <string></string></string>	tfoots	<html></html>	<string></string>	Named	core
tfoot of <html></html>	tfoots	<html></html>	<html></html>	Plain	core



Key Phrase	Plural	Creates a	From a	Form	Ref
tfoot of <string></string>	tfoots	<html></html>	<string></string>	Plain	core
th <string> of <html></html></string>	ths	<html></html>	<html></html>	Named	core
th <string> of <string></string></string>	ths	<html></html>	<string></string>	Named	core
th of <html></html>	ths	<html></html>	<html></html>	Plain	core
th of <string></string>	ths	<html></html>	<string></string>	Plain	core
thead <string> of <html></html></string>	theads	<html></html>	<html></html>	Named	core
thead <string> of <string></string></string>	theads	<html></html>	<string></string>	Named	core
thead of <html></html>	theads	<html></html>	<html></html>	Plain	core
thead of <string></string>	theads	<html></html>	<string></string>	Plain	core
thursday	thursdays	<day of="" week=""></day>	<world></world>	PlainGlobal	core
time <string></string>	times	<time></time>	<world></world>	NamedGlobal	core
time <time zone=""> of <time></time></time>	times	<time day="" of="" time="" with="" zone=""></time>	<time></time>	Index <time zone=""></time>	core
time interval <string></string>	time intervals	<time interval=""></time>	<world></world>	NamedGlobal	core
time of <time of<br="">day with time zone&gt;</time>	times	<time day="" of=""></time>	<time day="" of="" time="" with="" zone=""></time>	Plain	core
time zone <string></string>	time zones	<time zone=""></time>	<world></world>	NamedGlobal	core
time_of_day <string></string>	times_of_day	<time day="" of=""></time>	<world></world>	NamedGlobal	core
title <string> of <html></html></string>	titles	<html></html>	<html></html>	Named	core
title <string> of <string></string></string>	titles	<html></html>	<string></string>	Named	core
title of <html></html>	titles	<html></html>	<html></html>	Plain	core

Key Phrase	Plural	Creates a	From a	Form	Ref
title of <pre><pre>coduct&gt;</pre></pre>	titles	<string></string>	<pre><pre><pre><pre></pre></pre></pre></pre>	Plain	<u>hpux</u>
title of <string></string>	titles	<html></html>	<string></string>	Plain	core
total amount of <ram></ram>	total amounts	<integer></integer>	<ram></ram>	Plain	<u>hpux</u>
total amount of <swap></swap>	total amounts	<integer></integer>	<swap></swap>	Plain	<u>hpux</u>
total duration of <application usage<br="">summary instance&gt;</application>	total durations	<time interval=""></time>	<application instance="" summary="" usage=""></application>	Plain	hpux
total duration of <application usage<br="">summary&gt;</application>	total durations	<time interval=""></time>	<application summary="" usage=""></application>	Plain	<u>hpux</u>
total run count of <application usage<br="">summary instance&gt;</application>	total run counts	<integer></integer>	<application instance="" summary="" usage=""></application>	Plain	hpux
total run count of <application usage<br="">summary&gt;</application>	total run counts	<integer></integer>	<application summary="" usage=""></application>	Plain	<u>hpux</u>
total size of <download storage folder&gt;</download 	total sizes	<integer></integer>	<download storage folder&gt;</download 	Plain	hpux
total space of <filesystem></filesystem>	total spaces	<integer></integer>	<filesystem></filesystem>	Plain	<u>hpux</u>
tr <string> of <html></html></string>	trs	<html></html>	<html></html>	Named	core
tr <string> of <string></string></string>	trs	<html></html>	<string></string>	Named	core
tr of <html></html>	trs	<html></html>	<html></html>	Plain	core
tr of <string></string>	trs	<html></html>	<string></string>	Plain	core
true	trues	<boolean></boolean>	<world></world>	PlainGlobal	core
tt <string> of <html></html></string>	tts	<html></html>	<html></html>	Named	core



Key Phrase	Plural	Creates a	From a	Form	Ref
tt <string> of <string></string></string>	tts	<html></html>	<string></string>	Named	core
tt of <html></html>	tts	<html></html>	<html></html>	Plain	core
tt of <string></string>	tts	<html></html>	<string></string>	Plain	core
tty of <user></user>	ttys	<string></string>	<user></user>	Plain	<u>hpux</u>
tuesday	tuesdays	<day of="" week=""></day>	<world></world>	PlainGlobal	core
tuple string item <integer> of <string></string></integer>	tuple string items	<string></string>	<string></string>	Numbered	core
tuple string item of <string></string>	tuple string items	<string></string>	<string></string>	Plain	core
two digit hour of <time day="" of="" with<br="">time zone&gt;</time>	two digit hours	<string></string>	<time day="" of="" time="" with="" zone=""></time>	Plain	core
two digit hour of <time day="" of=""></time>	two digit hours	<string></string>	<time day="" of=""></time>	Plain	core
two digit minute of <time day="" of="" with<br="">time zone&gt;</time>	two digit minutes	<string></string>	<time day="" of="" time="" with="" zone=""></time>	Plain	core
two digit minute of <time day="" of=""></time>	two digit minutes	<string></string>	<time day="" of=""></time>	Plain	core
two digit second of <time day="" of="" with<br="">time zone&gt;</time>	two digit seconds	<string></string>	<time day="" of="" time="" with="" zone=""></time>	Plain	core
two digit second of <time day="" of=""></time>	two digit seconds	<string></string>	<time day="" of=""></time>	Plain	core
type of <filesystem></filesystem>	types	<string></string>	<filesystem></filesystem>	Plain	<u>hpux</u>
type of <license></license>	types	<string></string>	<li><li><li><li></li></li></li></li>	Plain	<u>hpux</u>
type of <site></site>	types	<string></string>	<site></site>	Plain	<u>hpux</u>
uid of <filesystem object=""></filesystem>	uids	<integer></integer>	<filesystem object=""></filesystem>	Plain	hpux

Key Phrase	Plural	Creates a	From a	Form	Ref
uid of <symlink></symlink>	uids	<integer></integer>	<symlink></symlink>	Plain	hpux
ul <string> of <html></html></string>	uls	<html></html>	<html></html>	Named	core
ul <string> of <string></string></string>	uls	<html></html>	<string></string>	Named	core
ul of <html></html>	uls	<html></html>	<html></html>	Plain	core
ul of <string></string>	uls	<html></html>	<string></string>	Plain	core
unary operator <string></string>	unary operators	<unary operator=""></unary>	<world></world>	NamedGlobal	core
unary operator returning <type></type>	unary operators returning	<unary operator=""></unary>	<world></world>	Index <type>Glob al</type>	core
union of <integer set=""></integer>	unions	<integer set=""></integer>	<integer set=""></integer>	Plain	core
union of <string set=""></string>	unions	<string set=""></string>	<string set=""></string>	Plain	core
unique value of <date></date>	unique values	<date multiplicity="" with=""></date>	<date></date>	Plain	core
unique value of <day month="" of=""></day>	unique values	<day month="" multiplicity="" of="" with=""></day>	<day month="" of=""></day>	Plain	core
unique value of <day of="" week=""></day>	unique values	<day multiplicity="" of="" week="" with=""></day>	<day of="" week=""></day>	Plain	core
unique value of <day of="" year=""></day>	unique values	<day multiplicity="" of="" with="" year=""></day>	<day of="" year=""></day>	Plain	core
unique value of <hertz></hertz>	unique values	<hertz multiplicity="" with=""></hertz>	<hertz></hertz>	Plain	core
unique value of <integer></integer>	unique values	<integer multiplicity="" with=""></integer>	<integer></integer>	Plain	core
unique value of <ipv4 address=""></ipv4>	unique values	<ipv4 address="" multiplicity="" with=""></ipv4>	<ipv4 address=""></ipv4>	Plain	core
unique value of <ipv4or6 address=""></ipv4or6>	unique values	<pre><ipv4or6 address="" multiplicity="" with=""></ipv4or6></pre>	<ipv4or6 address=""></ipv4or6>	Plain	core



Key Phrase	Plural	Creates a	From a	Form	Ref
unique value of <ipv6 address=""></ipv6>	unique values	<ipv6 address="" multiplicity="" with=""></ipv6>	<ipv6 address=""></ipv6>	Plain	core
unique value of <month and="" year=""></month>	unique values	<month and="" multiplicity="" with="" year=""></month>	<month and="" year=""></month>	Plain	core
unique value of <month></month>	unique values	<month multiplicity="" with=""></month>	<month></month>	Plain	core
unique value of <number of<br="">months&gt;</number>	unique values	<number months="" multiplicity="" of="" with=""></number>	<number months="" of=""></number>	Plain	core
unique value of <site list="" version=""></site>	unique values	<site list="" multiplicity="" version="" with=""></site>	<site list="" version=""></site>	Plain	core
unique value of <string></string>	unique values	<string multiplicity="" with=""></string>	<string></string>	Plain	core
unique value of <time interval=""></time>	unique values	<time interval="" multiplicity="" with=""></time>	<time interval=""></time>	Plain	core
unique value of <time day="" of="" with<br="">time zone&gt;</time>	unique values	<time day="" of="" with<br="">time zone with multiplicity&gt;</time>	<time day="" of="" time="" with="" zone=""></time>	Plain	core
unique value of <time day="" of=""></time>	unique values	<time day="" multiplicity="" of="" with=""></time>	<time day="" of=""></time>	Plain	core
unique value of <time range=""></time>	unique values	<time multiplicity="" range="" with=""></time>	<time range=""></time>	Plain	core
unique value of <time zone=""></time>	unique values	<time multiplicity="" with="" zone=""></time>	<time zone=""></time>	Plain	core
unique value of <time></time>	unique values	<time multiplicity="" with=""></time>	<time></time>	Plain	core
unique value of <version></version>	unique values	<version multiplicity="" with=""></version>	<version></version>	Plain	core
unique value of <year></year>	unique values	<year multiplicity="" with=""></year>	<year></year>	Plain	core
universal time <string></string>	universal times	<time></time>	<world></world>	NamedGlobal	core
universal time zone	universal time zones	<time zone=""></time>	<world></world>	PlainGlobal	core

Key Phrase	Plural	Creates a	From a	Form	Ref
unix of <operating system=""></operating>	unixes	<boolean></boolean>	<pre><operating system=""></operating></pre>	Plain	<u>hpux</u>
unordered list <string> of <html></html></string>	unordered lists	<html></html>	<html></html>	Named	core
unordered list <string> of <string></string></string>	unordered lists	<html></html>	<string></string>	Named	core
unordered list of <a href="httml">httml&gt;</a>	unordered lists	<html></html>	<html></html>	Plain	core
unordered list of <string></string>	unordered lists	<html></html>	<string></string>	Plain	core
up of <network adapter="" interface=""></network>	ups	<boolean></boolean>	<network adapter="" interface=""></network>	Plain	<u>hpux</u>
up of <network adapter=""></network>	ups	<boolean></boolean>	<network adapter=""></network>	Plain	<u>hpux</u>
up of <network interface="" ip=""></network>	ups	<boolean></boolean>	<network interface="" ip=""></network>	Plain	<u>hpux</u>
upload progress of <client></client>	upload progresses	<string></string>	<cli>client&gt;</cli>	Plain	<u>hpux</u>
ups of <power level=""></power>	upss	<boolean></boolean>	<power level=""></power>	Plain	<u>hpux</u>
uptime of <operating system&gt;</operating 	uptimes	<time interval=""></time>	<pre><operating system=""></operating></pre>	Plain	<u>hpux</u>
url of <site></site>	urls	<string></string>	<site></site>	Plain	<u>hpux</u>
used amount of <ram></ram>	used amounts	<integer></integer>	<ram></ram>	Plain	<u>hpux</u>
used amount of <swap></swap>	used amounts	<integer></integer>	<swap></swap>	Plain	<u>hpux</u>
used file count of <filesystem></filesystem>	used file counts	<integer></integer>	<filesystem></filesystem>	Plain	hpux
used percent of <filesystem></filesystem>	used percents	<integer></integer>	<filesystem></filesystem>	Plain	<u>hpux</u>



Key Phrase	Plural	Creates a	From a	Form	Ref
used space of <filesystem></filesystem>	used spaces	<integer></integer>	<filesystem></filesystem>	Plain	hpux
user	users	<user></user>	<world></world>	PlainGlobal	<u>hpux</u>
user <string></string>	users	<user></user>	<world></world>	NamedGlobal	<u>hpux</u>
user execute of <filesystem object&gt;</filesystem 	user executes	<boolean></boolean>	<filesystem object=""></filesystem>	Plain	<u>hpux</u>
user mask of <filesystem object&gt;</filesystem 	user masks	<integer></integer>	<filesystem object=""></filesystem>	Plain	<u>hpux</u>
user mask of <mode></mode>	user masks	<mode_mask></mode_mask>	<mode></mode>	Plain	<u>hpux</u>
user name of <filesystem object&gt;</filesystem 	user names	<string></string>	<filesystem object=""></filesystem>	Plain	hpux
user name of <symlink></symlink>	user names	<string></string>	<symlink></symlink>	Plain	hpux
user read of <filesystem object&gt;</filesystem 	user reads	<boolean></boolean>	<filesystem object=""></filesystem>	Plain	hpux
user write of <filesystem object&gt;</filesystem 	user writes	<boolean></boolean>	<filesystem object=""></filesystem>	Plain	hpux
usual name of <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	usual names	<string></string>	<pre><pre><pre><pre>property&gt;</pre></pre></pre></pre>	Plain	core
value accessible of <symlink></symlink>	values accessible	<boolean></boolean>	<symlink></symlink>	Plain	<u>hpux</u>
value of <environment variable&gt;</environment 	values	<string></string>	<environment variable=""></environment>	Plain	hpux
value of <fixlet_header></fixlet_header>	values	<string></string>	<fixlet_header></fixlet_header>	Plain	<u>hpux</u>
value of <runlevel></runlevel>	values	<string></string>	<runlevel></runlevel>	Plain	<u>hpux</u>

Key Phrase	Plural	Creates a	From a	Form	Ref
value of <setting></setting>	values	<string></string>	<setting></setting>	Plain	<u>hpux</u>
value of <symlink></symlink>	values	<string></string>	<symlink></symlink>	Plain	<u>hpux</u>
var <string> of <html></html></string>	vars	<html></html>	<html></html>	Named	core
var <string> of <string></string></string>	vars	<html></html>	<string></string>	Named	core
var of <html></html>	vars	<html></html>	<html></html>	Plain	core
var of <string></string>	vars	<html></html>	<string></string>	Plain	core
variable <string> of <environment></environment></string>	variables	<environment variable=""></environment>	<environment></environment>	Named	<u>hpux</u>
variable of <environment></environment>	variables	<environment variable=""></environment>	<environment></environment>	Plain	<u>hpux</u>
variable of <file></file>	variables	<string></string>	<file></file>	Plain	<u>hpux</u>
vendor of <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	vendors	<string></string>	<pre><pre><pre><pre></pre></pre></pre></pre>	Plain	<u>hpux</u>
version <string></string>	versions	<version></version>	<world></world>	NamedGlobal	core
version of <application usage<br="">summary instance&gt;</application>	versions	<version></version>	<application instance="" summary="" usage=""></application>	Plain	hpux
version of <bios></bios>	versions	<string></string>	    	Plain	<u>hpux</u>
version of <client></client>	versions	<version></version>	<cli>client&gt;</cli>	Plain	<u>hpux</u>
version of <current relay=""></current>	versions	<version></version>	<current relay=""></current>	Plain	<u>hpux</u>
version of <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	versions	<string></string>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Plain	<u>hpux</u>
version of <service></service>	versions	<version></version>	<service></service>	Plain	<u>hpux</u>
version of <site></site>	versions	<integer></integer>	<site></site>	Plain	<u>hpux</u>



Key Phrase	Plural	Creates a	From a	Form	Ref
version string <string> of <module></module></string>	version strings	<string></string>	<module></module>	Named	core
waiting for download of <action></action>	waiting for downloads	<boolean></boolean>	<action></action>	Plain	hpux
wake on lan subnet cidr string	wake on lan subnet cidr strings	<string></string>	<world></world>	PlainGlobal	hpux
wednesday	wednesdays	<day of="" week=""></day>	<world></world>	PlainGlobal	core
week	weeks	<time interval=""></time>	<world></world>	PlainGlobal	core
weight of <selected server=""></selected>	weights	<integer></integer>	<selected server=""></selected>	Plain	<u>hpux</u>
windows of <operating system&gt;</operating 	windowses	<boolean></boolean>	<pre><operating system=""></operating></pre>	Plain	<u>hpux</u>
windows server count of <bes product&gt;</bes 	windows server counts	<integer></integer>	<bes product=""></bes>	Plain	<u>hpux</u>
workstation count of <bes product=""></bes>	workstation counts	<integer></integer>	                               	Plain	hpux
write of <mode_mask></mode_mask>	writes	<boolean></boolean>	<mode_mask></mode_mask>	Plain	<u>hpux</u>
year	years	<number months="" of=""></number>	<world></world>	PlainGlobal	core
year <integer></integer>	years	<year></year>	<world></world>	NumberedGlobal	core
year <string></string>	years	<year></year>	<world></world>	NamedGlobal	core
year of <date></date>	years	<year></year>	<date></date>	Plain	core
year of <month and="" year=""></month>	years	<year></year>	<month and="" year=""></month>	Plain	core
zone of <time of<br="">day with time zone&gt;</time>	zones	<time zone=""></time>	<time day="" of="" time="" with="" zone=""></time>	Plain	core

## Tivoli Endpoint Manager

Key Phrase	Plural	Creates a	From a	Form	Ref
zoned time_of_day <string></string>	zoned times_of_day	<time day="" of="" time="" with="" zone=""></time>	<world></world>	NamedGlobal	core



# **Casting Operators**

Casting operators help you to convert one object type into another. This section contains those casting operators pertinent to this guide, as well as the core and regex inspectors, which are available in all contexts.

Key Phrase	Creates a	From a
<action lock="" state=""> as string</action>	<string></string>	<action lock="" state=""></action>
   	<string></string>	   
        	<string></string>	<bios></bios>
   	<integer></integer>	   
   	<string></string>	        
<boolean> as boolean</boolean>	<boolean></boolean>	<boolean></boolean>
<boolean> as string</boolean>	<string></string>	<boolean></boolean>
<cast> as string</cast>	<string></string>	<cast></cast>
<date> as string</date>	<string></string>	<date></date>
<day month="" of=""> as integer</day>	<integer></integer>	<day month="" of=""></day>
<day month="" of=""> as string</day>	<string></string>	<day month="" of=""></day>
<day month="" of=""> as two digits</day>	<string></string>	<day month="" of=""></day>
<day of="" week=""> as string</day>	<string></string>	<day of="" week=""></day>
<day of="" week=""> as three letters</day>	<string></string>	<day of="" week=""></day>
<day of="" year=""> as string</day>	<string></string>	<day of="" year=""></day>
<environment variable=""> as string</environment>	<string></string>	<environment variable=""></environment>
<file content=""> as lowercase</file>	<file content=""></file>	<file content=""></file>
<file content=""> as uppercase</file>	<file content=""></file>	<file content=""></file>
<filesystem object=""> as device file</filesystem>	<device file=""></device>	<filesystem object=""></filesystem>
<filesystem object=""> as fifo file</filesystem>	<fifo file=""></fifo>	<filesystem object=""></filesystem>

Key Phrase	Creates a	From a
<filesystem object=""> as socket file</filesystem>	<socket file=""></socket>	<filesystem object=""></filesystem>
<filesystem object=""> as string</filesystem>	<string></string>	<filesystem object=""></filesystem>
<filesystem object=""> as symlink</filesystem>	<symlink></symlink>	<filesystem object=""></filesystem>
<hertz> as string</hertz>	<string></string>	<hertz></hertz>
<html> as html</html>	<html></html>	<html></html>
<html> as string</html>	<string></string>	<html></html>
<integer> as bit set</integer>	   	<integer></integer>
<integer> as bits</integer>	   	<integer></integer>
<integer> as day_of_month</integer>	<day month="" of=""></day>	<integer></integer>
<integer> as hexadecimal</integer>	<string></string>	<integer></integer>
<integer> as integer</integer>	<integer></integer>	<integer></integer>
<integer> as month</integer>	<month></month>	<integer></integer>
<integer> as string</integer>	<string></string>	<integer></integer>
<integer> as year</integer>	<year></year>	<integer></integer>
<ip version=""> as string</ip>	<string></string>	<ip version=""></ip>
<ipv4 address=""> as ipv4or6 address</ipv4>	<ipv4or6 address=""></ipv4or6>	<ipv4 address=""></ipv4>
<ipv4 address=""> as ipv6 address</ipv4>	<ipv6 address=""></ipv6>	<ipv4 address=""></ipv4>
<ipv4 address=""> as string</ipv4>	<string></string>	<ipv4 address=""></ipv4>
<ipv4or6 address=""> as compressed string</ipv4or6>	<string></string>	<ipv4or6 address=""></ipv4or6>
<ipv4or6 address=""> as compressed string with ipv4</ipv4or6>	<string></string>	<ipv4or6 address=""></ipv4or6>
<ipv4or6 address=""> as compressed string with ipv4 with zone index</ipv4or6>	<string></string>	<ipv4or6 address=""></ipv4or6>
<pre><ipv4or6 address=""> as compressed string with zone index</ipv4or6></pre>	<string></string>	<ipv4or6 address=""></ipv4or6>
<ipv4or6 address=""> as string</ipv4or6>	<string></string>	<ipv4or6 address=""></ipv4or6>



Key Phrase	Creates a	From a
<ipv4or6 address=""> as string with ipv4</ipv4or6>	<string></string>	<ipv4or6 address=""></ipv4or6>
<pre><ipv4or6 address=""> as string with ipv4 with zone index</ipv4or6></pre>	<string></string>	<ipv4or6 address=""></ipv4or6>
<ipv4or6 address=""> as string with leading zeros</ipv4or6>	<string></string>	<ipv4or6 address=""></ipv4or6>
<pre><ipv4or6 address=""> as string with leading zeros with zone index</ipv4or6></pre>	<string></string>	<ipv4or6 address=""></ipv4or6>
<ipv4or6 address=""> as string with zone index</ipv4or6>	<string></string>	<ipv4or6 address=""></ipv4or6>
<ipv6 address=""> as compressed string</ipv6>	<string></string>	<ipv6 address=""></ipv6>
<ipv6 address=""> as compressed string with ipv4</ipv6>	<string></string>	<ipv6 address=""></ipv6>
<pre><ipv6 address=""> as compressed string with ipv4 with zone index</ipv6></pre>	<string></string>	<ipv6 address=""></ipv6>
<ipv6 address=""> as compressed string with zone index</ipv6>	<string></string>	<ipv6 address=""></ipv6>
<ipv6 address=""> as ipv4or6 address</ipv6>	<ipv4or6 address=""></ipv4or6>	<ipv6 address=""></ipv6>
<ipv6 address=""> as string</ipv6>	<string></string>	<ipv6 address=""></ipv6>
<ipv6 address=""> as string with ipv4</ipv6>	<string></string>	<ipv6 address=""></ipv6>
<pre><ipv6 address=""> as string with ipv4 with zone index</ipv6></pre>	<string></string>	<ipv6 address=""></ipv6>
<ipv6 address=""> as string with leading zeros</ipv6>	<string></string>	<ipv6 address=""></ipv6>
<pre><ipv6 address=""> as string with leading zeros with zone index</ipv6></pre>	<string></string>	<ipv6 address=""></ipv6>
<ipv6 address=""> as string with zone index</ipv6>	<string></string>	<ipv6 address=""></ipv6>
<language> as string</language>	<string></string>	<language></language>
<mode_mask> as integer</mode_mask>	<integer></integer>	<mode_mask></mode_mask>
<mode_mask> as string</mode_mask>	<string></string>	<mode_mask></mode_mask>

Key Phrase	Creates a	From a
<mode> as octal string</mode>	<string></string>	<mode></mode>
<mode> as string</mode>	<string></string>	<mode></mode>
<month and="" year=""> as string</month>	<string></string>	<month and="" year=""></month>
<month> as integer</month>	<integer></integer>	<month></month>
<month> as string</month>	<string></string>	<month></month>
<month> as three letters</month>	<string></string>	<month></month>
<month> as two digits</month>	<string></string>	<month></month>
<number months="" of=""> as string</number>	<string></string>	<number months="" of=""></number>
<pre><operating system=""> as string</operating></pre>	<string></string>	<pre><operating system=""></operating></pre>
<power level=""> as string</power>	<string></string>	<power level=""></power>
<pre><pre><pre><pre><pre><pre><pre>primary language&gt; as string</pre></pre></pre></pre></pre></pre></pre>	<string></string>	<pre><pre><pre><pre>anguage&gt;</pre></pre></pre></pre>
<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	<string></string>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	<string></string>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
<rope> as string</rope>	<string></string>	<rope></rope>
<runlevel> as string</runlevel>	<string></string>	<runlevel></runlevel>
<setting> as string</setting>	<string></string>	<setting></setting>
<site list="" version=""> as string</site>	<string></string>	<site list="" version=""></site>
<string> as boolean</string>	<boolean></boolean>	<string></string>
<string> as date</string>	<date></date>	<string></string>
<string> as day_of_month</string>	<day month="" of=""></day>	<string></string>
<string> as day_of_week</string>	<day of="" week=""></day>	<string></string>
<string> as hexadecimal</string>	<string></string>	<string></string>
<string> as html</string>	<html></html>	<string></string>



Key Phrase	Creates a	From a
<string> as integer</string>	<integer></integer>	<string></string>
<string> as ipv4or6 address</string>	<ipv4or6 address=""></ipv4or6>	<string></string>
<string> as left trimmed string</string>	<string></string>	<string></string>
<string> as local time</string>	<time></time>	<string></string>
<string> as local zoned time_of_day</string>	<time day="" of="" time="" with="" zone=""></time>	<string></string>
<string> as lowercase</string>	<string></string>	<string></string>
<string> as month</string>	<month></month>	<string></string>
<string> as right trimmed string</string>	<string></string>	<string></string>
<string> as site version list</string>	<site list="" version=""></site>	<string></string>
<string> as string</string>	<string></string>	<string></string>
<string> as time</string>	<time></time>	<string></string>
<string> as time interval</string>	<time interval=""></time>	<string></string>
<string> as time zone</string>	<time zone=""></time>	<string></string>
<string> as time_of_day</string>	<time day="" of=""></time>	<string></string>
<string> as trimmed string</string>	<string></string>	<string></string>
<string> as universal time</string>	<time></time>	<string></string>
<string> as universal zoned time_of_day</string>	<time day="" of="" time="" with="" zone=""></time>	<string></string>
<string> as uppercase</string>	<string></string>	<string></string>
<string> as version</string>	<version></version>	<string></string>
<string> as year</string>	<year></year>	<string></string>
<string> as zoned time_of_day</string>	<time day="" of="" time="" with="" zone=""></time>	<string></string>
<symlink> as device file</symlink>	<device file=""></device>	<symlink></symlink>

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Key Phrase	Creates a	From a
<symlink> as file</symlink>	<file></file>	<symlink></symlink>
<symlink> as folder</symlink>	<folder></folder>	<symlink></symlink>
<symlink> as socket file</symlink>	<socket file=""></socket>	<symlink></symlink>
<symlink> as string</symlink>	<string></string>	<symlink></symlink>
<symlink> as symlink</symlink>	<symlink></symlink>	<symlink></symlink>
<time interval=""> as string</time>	<string></string>	<time interval=""></time>
<time day="" of="" time="" with="" zone=""> as string</time>	<string></string>	<time day="" of="" time="" with="" zone=""></time>
<time day="" of=""> as string</time>	<string></string>	<time day="" of=""></time>
<time range=""> as string</time>	<string></string>	<time range=""></time>
<time zone=""> as string</time>	<string></string>	<time zone=""></time>
<time> as local string</time>	<string></string>	<time></time>
<time> as string</time>	<string></string>	<time></time>
<time> as universal string</time>	<string></string>	<time></time>
<type> as string</type>	<string></string>	<type></type>
<unary operator=""> as string</unary>	<string></string>	<unary operator=""></unary>
<undefined> as string</undefined>	<string></string>	<undefined></undefined>
<version> as string</version>	<string></string>	<version></version>
<version> as version</version>	<version></version>	<version></version>
<year> as integer</year>	<integer></integer>	<year></year>
<year> as string</year>	<string></string>	<year></year>



#### Part Three

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