



Sun Java System Portal Server 7 Command-Line Reference

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Preface

The *Sun Java System Portal Server 7 Command Line Reference* provides descriptions and syntax for the Sun Java™ System Portal Server subcommands.

Who Should Use This Book

This reference is intended for Portal Server administrators. Administrators should understand the following technology:

- Solaris Operating System administrative procedures
- Sun Java System Portal Server
- Sun Java System Application Server
- Lightweight Directory Access Protocol (LDAP)
- Sun Java System Directory Server

Related Books

- *Sun Java System Portal Server 7 Configuration Guide*
- *Sun Java System Portal Server 7 Technical Overview*
- *Sun Java System Portal Server 7 2006Q1 Developer's Guide*
- *Sun Java System Portal Server 7 2006Q1 Technical Reference*

Related Third-Party Web Site References

Third-party URLs are referenced in this document and provide additional, related information.

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The Sun web site provides information about the following additional resources:

- Documentation (<http://www.sun.com/documentation/>)
- Support (<http://www.sun.com/support/>)
- Training (<http://www.sun.com/training/>)

Typographic Conventions

The following table describes the typographic conventions that are used in this book.

TABLE P-1 Typographic Conventions

Typeface	Meaning	Example
AaBbCc123	The names of commands, files, and directories, and onscreen computer output	Edit your <code>.login</code> file. Use <code>ls -a</code> to list all files. <code>machine_name% you have mail.</code>

TABLE P-1 Typographic Conventions (Continued)

Typeface	Meaning	Example
AaBbCc123	What you type, contrasted with onscreen computer output	machine_name% su Password:
<i>aabbcc123</i>	Placeholder: replace with a real name or value	The command to remove a file is <i>rm filename</i> .
<i>AaBbCc123</i>	Book titles, new terms, and terms to be emphasized	Read Chapter 6 in the <i>User's Guide</i> . <i>A cache</i> is a copy that is stored locally. Do <i>not</i> save the file. Note: Some emphasized items appear bold online.

Shell Prompts in Command Examples

The following table shows the default UNIX[®] system prompt and superuser prompt for the C shell, Bourne shell, and Korn shell.

TABLE P-2 Shell Prompts

Shell	Prompt
C shell	machine_name%
C shell for superuser	machine_name#
Bourne shell and Korn shell	\$
Bourne shell and Korn shell for superuser	#

Desktop Subcommands

This chapter describes the following subcommands:

- “psadmin get-attribute” on page 25
- “psadmin set-attribute” on page 26
- “psadmin list-attributes” on page 29
- “psadmin list-dp” on page 30
- “psadmin merge-dp” on page 31
- “psadmin modify-dp” on page 32
- “psadmin add-dp” on page 34
- “psadmin remove-dp” on page 35

psadmin get-attribute

Description

Gets the portal attribute for a base dn or from global or default levels.

Syntax

Long Format

```
psadmin get-attribute --component desktop -attribute-name  
attribute-name --adminuser uid --passwordfile password-filename [--dn dn]  
-portalid portal-ID [--output output-file] [--debug]
```

Short Format

```
psadmin get-attribute -m desktop -a attribute-name -u uid -f  
password-filename [-d dn] -p portal-ID [-o output-file]
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the administrator's distinguished name.
- [--attribute-name | -a] *attribute-name*
Specifies the desktop attribute name for which the value is to be retrieved. User friendly desktop attributes can be fetched from the `list-attribute` subcommand, with component name as `desktop`.
- [--component | -m] `desktop`
Always `desktop` for this module.
- [--passwordfile | -f] *password-filename*
Specifies the administrator's password in the password file.
- [--portalId | -p] *portal-ID*
Specifies the portal ID.

The following options are optional:

- debug
Used for debugging purpose only. By default, this is set to `false`. Set this flag to `true` to see exceptions that caused the error.
- [--dn | -d] *dn*
Specifies the distinguished name for whom desktop attribute is to be retrieved.
- [--output | -o] *output-file*
Specifies a file for output.

psadmin set-attribute

Description

Sets the portal desktop attribute to the supplied value or values for a base `dn` or at global or default levels.

Syntax

Long Format

```
psadmin set-attribute --component desktop --attribute-name  
attribute-name --adminuser uid --passwordfile password-filename [-add  
add_values] [--remove remove_values] [--inherit ] [--dn dn] --portalid  
portal-ID set_values --debug
```

Short Format

```
psadmin set-attribute -m desktop -a attribute-name -u uid -f  
password-filename [-d dn] -p portal-ID [ -A add_values] [-E  
remove_values] [--inherit] set_values --debug
```

Options

The following options are required:

`[--adminuser | -u] uid`

Specifies the administrator's distinguished name.

`[--attribute-name | -a] attribute-name`

Argument which specifies the name of the desktop attribute for which the value is to be added, removed, replaced, or inherited. User friendly desktop attributes can be fetched from `list-attribute` command, with component name as desktop.

`[--component | -m] desktop`

Always desktop for this module.

`[--passwordfile | -f] password-filename`

Specifies the administrator's password in the password file.

`[--portalId | -p] portal-ID`

Specifies the portal ID.

The following options are optional:

`[--add | -A] add_values`

Applies to multi value attribute. Specifies a comma separated list of values to be set for an attribute. Mutually exclusive to `--inherit` option and `set_values` operand. The list of value is enclosed in `"`; for example, `"val1", "val2", "val3"`.

<code>--debug</code>	Used for debugging purpose only. By default, this is set to <code>false</code> . Set this flag to <code>true</code> to see exceptions that caused the error.
<code>[--dn -d] dn</code>	Specifies the distinguished name for whom desktop attribute is to be set.
<code>--inherit</code>	Allows the specified attribute at the given <code>dn</code> , to inherit its value from the parent <code>dn</code> . The <code>dn</code> is mandatory to use this option.
<code>[--remove -E] remove_values</code>	Applies to multi value attribute. Specifies a comma separated list of values to be removed for an attribute. Mutually exclusive to <code>--inherit</code> option and <code>set_values</code> operand. The list of value is enclosed in <code>"</code> ; for example, <code>"val1", "val2", "val3"</code> .

Operands

The following operand is supported:

`set_values` Specifies the value to be set.

Limitations

You cannot do the following:

- Use `--add` or `--remove` option with the `--inherit` option.
- Use `--add`, `--remove`, or `--inherit` options with `set_values` operand.
- Use the `--inherit` option without supplying the `--dn` option.

psadmin list-attributes

Description

Lists the portal desktop attributes which are defined at any base dn or at global or default levels. This subcommand can be used when an administrator wants to see the entire list of desktop attributes.

Syntax

Long Format

```
psadmin list-attributes --component desktop --adminuser uid  
--passwordfile password-filename [--output output-file] [--verbose]  
[--debug]
```

Short Format

```
psadmin list-attributes -m desktop -u uid -f password-filename [-o  
output-file] [-v] [--debug]
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name.
- `[--component | -m] desktop`
Always desktop for this module.
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.

The following options are optional:

<code>--debug</code>	Used for debugging purpose only. By default, this is set to <code>false</code> . Set this flag to <code>true</code> to see exceptions that caused the error.
<code>[--output -o] output-file</code>	Specifies a file for output.
<code>[--verbose -v]</code>	Removes display profile verbosely.

psadmin list-dp

Description

Retrieves and displays display profile node objects.

Syntax

Long Format

```
psadmin list-dp --name name --adminuser uid --passwordfile
password-filename --dn dn --portalid portal-ID [--verbose] [--global]
[--dry-run] [--output output-file]
```

Short Format

```
psadmin list-dp -n name -u uid -f password-filename -d dn -p portal-ID [-v]
[-g] [-r] [-o output-file]
```

Options

The following options are required:

```
[--adminuser | -u] uid
    Specifies the administrator's distinguished name.
```

`[--dn | -d] dn`
Distinguished name of the target node. This is mutually exclusive to `-g` option.

`[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.

`[--portalid | -p] portal-ID`
Specifies the portal ID; if this is not supplied, the default is used.

The following options are optional:

`[--dry-run | -r]` Attempt to execute command without writing out to LDAP. Default is false.

`[--global | -g]` Global display profile. Default is false. This is mutually exclusive to `-d` option.

`[--name | -n] name` Name of the target display object. If omitted, the entire display profile is displayed.

`[--output | -o] output-file` Specifies a file for output.

`[--verbose | -v]` Lists display profile verbosely.

psadmin merge-dp

Description

Retrieves and displays the merged result of the given display profile node objects.

Syntax

Long Format

```
psadmin merge-dp --name name --adminuser uid --passwordfile  
password-filename --dn dn --portalid portal-ID [--verbose] [--global]  
[--dry-run] [--output output-file]
```

Short Format

```
psadmin merge-dp --n name -u uid -f password-filename -d dn -p portal-ID  
[-v] [-g] [-r] [-o output-file]
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the administrator's distinguished name.
- [--dn | -d] *dn*
The distinguished name of the target node. This is mutually exclusive to -g option.
- [--passwordfile | -f] *password-filename*
Specifies the administrator's password in the password file.
- [--portalId | -p] *portal-ID*
Specifies the portal ID; if this is not supplied, the default is used.

The following options are optional:

- [--dry-run | -r] Attempt to execute command without writing out to LDAP. Default is false.
- [--global | -g] Global display profile. Default is false. This is mutually exclusive to -d option.
- [--name | -n] *name* Name of the target display object. If omitted, merges the entire display profile.
- [--output | -o] *output-file* Specifies a file for output.
- [--verbose | -v] Merges display profile verbosely.

psadmin modify-dp

Description

Changes the value for an existing display profile object.

Syntax

Long Format

```
psadmin modify-dp --parent parent --adminuser uid --passwordfile  
password-filename --dn dn --portalid portal-ID [--verbose] [--global]  
[--dry-run] [--combine] [--output output-file]
```

Short Format

```
psadmin modify-dp -P parent -u uid -f password-filename -d dn -p portal-ID  
[-v] [-g] [-r] [-m] [-o output-file]
```

Options

The following options are required:

`--adminuser | -u` *uid*

Specifies the administrator's distinguished name.

`--dn | -d` *dn*

Distinguished name of the target node. This is mutually exclusive to `-g` option.

`--passwordfile | -f` *password-filename*

Specifies the administrator's password in the password file.

`--portalid | -p` *portal-ID*

Specifies the portal ID, if this is not supplied, the default is be used.

The following options are optional:

`--combine | -m`

Combine with the existing display profile object. For example, use this option to add a channel specified in the existing XML file to a container's existing selected list. By default, this is false.

`--dry-run | -r`

Attempt to execute command without writing out to LDAP. Default is false.

`--global | -g`

Global display profile. Default is false. This is mutually exclusive to `-d` option.

`--output | -o` *output-file*

Specifies a file for output.

`--parent | -P` *parent*

Name of the parent display object. If omitted, assumes the node to be modified is under root.

`[--verbose | -v]` Modifies display profile verbosely.

Operands

Specifies one or more files which contain XML fragments.

psadmin add-dp

Description

Adds a new display profile object to the display profile.

Syntax

Long Format

```
psadmin add-dp [--parent parent] --adminuser uid --passwordfile  
password-filename --dn dn --portalid portal-ID [--verbose] [--global]  
[--dry-run]
```

Short Format

```
psadmin add-dp [-P parent] -u uid -f password-filename -d dn -p portal-ID  
[-v] [-g] [-r]
```

Options

The following options are required:

`[--adminuser | -u] uid`
Specifies the administrator's distinguished name.

- `[--dn | -d] dn`
Distinguished name of the target node. This is mutually exclusive to `-g` option.
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--portalId | -p] portal-ID`
Specifies the portal ID, if this is not supplied, the default is used.

The following options are optional:

- `[--dry-run | -r]` Attempt to execute command without writing out to LDAP. Default is false.
- `[--global | -g]` Global display profile. Default is false. This is mutually exclusive to `-d` option.
- `[--parent | -P] parent` Name of the parent display object. If not specified, the object gets added to the root.
- `[--verbose | -v]` Adds display profile verbosely

Operand

Specifies one or more files each of which contains XML fragment.

psadmin remove-dp

Description

Removes an existing display profile object from the display profile.

Syntax

Long Format

```
psadmin remove-dp --name name [--parent parent] --type type  
--adminuser uid --passwordfile password-filename --dn dn --portalid  
portal-ID [ --verbose] [--global] [--dry-run]
```

Short Format

```
psadmin remove-dp -n name [-P parent] -t type -u uid -f password-filename  
-d dn -p portal-ID [-v] [-g] [-r]
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the administrator's distinguished name.
- [--dn | -d] *dn*
Distinguished name of the target node. This is mutually exclusive to -g option.
- [--name | -n] *name*
Name of the target display object. This should be specified as none if type is root or if the entire display profile needs to be removed.
- [--passwordfile | -f] *password-filename*
Specifies the administrator's password in the password file.
- [--portalid | -p] *portal-ID*
Specifies the portal ID; if this is not supplied, the default is used.
- [--type | -t] *type*
Type of the display object:
root, channel, provider, property, available, selected.

The following options are optional:

- [--dry-run | -r] Attempt to execute command without writing out to LDAP. Default is false.
- [--global | -g] Global display profile. Default is false. This is mutually exclusive to -d option.
- [--parent | -P] *parent* Name of the parent display object. If not specified, the object gets removed from the root.

`[--verbose | -v]` Removes display profile verbosely.

Logging Subcommands

The logging subcommands configure parameters for the following applications: Portal Server, Search web application, Portal Administration Server, Administration Console and Portal Server Secure Remote Access Gateway, Netlet proxy, and Rewriter proxy. Changes you make using the logging subcommands are persistent. This chapter describes the following subcommands:

- “psadmin list-loggers” on page 39
- “psadmin set-logger” on page 42
- “psadmin reset-logger” on page 44
- “Location of Log Files” on page 46

psadmin list-loggers

Description

Lists all the loggers.

Syntax

Long Format

```
psadmin list-loggers --adminuser uid --passwordfile password-filename  
--component component-type [--portal portal-ID] [--instance  
portal-instance-name] [--searchserver search-server-ID] [--sra-instance  
sra-instance-name] [--detail] [--output output-filename] [--verbose]
```

Short Format

```
psadmin list-loggers -u uid -f password-filename -m [-p portal-ID] [-i  
portal-instance-name] [-s search-server-ID] [-o output-filename] [-v]
```

Options

The following options are required:

[--adminuser | -u] *uid*

Specifies the administrator's distinguished name (dn) or user ID.

[--passwordfile | -f] *password-filename*

Specifies the administrator's password in the password file.

[--component | -m]

Specifies the component type. Valid values are: portal, search, pas, gateway, nlproxy, rwproxy.

The following options depend on the --component option:

[--portal | -p] *portal-ID*

Specifies the portal ID. This is required only if the --component-type is portal.

[--instance | -i] *portal-instance-name*

Specifies the Portal Server instance. This is required only if the --component-type is portal.

[--searchserver | -s] *search-server-ID*

Specifies the search server ID. This is required only if the --component-type is search.

[--sra-instance] *sra-instance-name*

Specifies the SRA instance name. This is required only if the --component-type is gateway, nlproxy, or rwproxy.

The following options are optional

[--output] *output-filename*

Names the output file.

[--verbose | -v]

Lists loggers verbosely.

--detail

Provides more information.

Examples

EXAMPLE 2-1 list-loggers

```
./psadmin list-loggers -u amadmin -f passwordfile -m portal -p  
myPortal -i myInstance
```

the output is:

```
debug.com.sun.portal  
debug.com.sun.portal.desktop  
debug.com.sun.portal.desktop.context  
debug.com.sun.portal.desktop.monitoring  
debug.com.sun.portal.monitoring  
debug.com.sun.portal.portletappengine  
debug.com.sun.portal.portletappengine.impl  
debug.com.sun.portal.ubt  
debug.com.sun.portal.wsrp.consumer.common  
Successfully completed!
```

EXAMPLE 2-2 list-loggers with detail

```
./psadmin list-loggers -u amadmin -f passwordfile -m portal -p  
myPortal -i myInstance --detail
```

the output is:

```
debug.com.sun.portal  
Level=FINEST    Use Parent Handler=false  
Handler=java.util.logging.FileHandler  
Logs to File=/var/opt/SUNWportal/portals/myPortal/logs/  
%InstanceID/%logger.%u.%g.log Print Stacktrace=true  
debug.com.sun.portal.desktop  
Level=FINEST    Use Parent Handler=true  
debug.com.sun.portal.desktop.context  
Level=FINEST    Use Parent Handler=true  
debug.com.sun.portal.desktop.monitoring  
Level=FINEST    Use Parent Handler=true  
debug.com.sun.portal.monitoring  
Level=FINEST    Use Parent Handler=true  
debug.com.sun.portal.portletappengine  
Level=FINEST    Use Parent Handler=true  
debug.com.sun.portal.portletappengine.impl  
Level=FINEST    Use Parent Handler=true  
debug.com.sun.portal.ubt  
Level=FINEST    Use Parent Handler=true  
debug.com.sun.portal.wsrp.consumer.common  
Level=FINEST    Use Parent Handler=true  
Successfully completed!
```

psadmin set-logger

Description

Sets the level for logger and also separate file for the logger.

Syntax

Long Format

```
psadmin set-logger --adminuser uid --passwordfile password-filename  
--component component-type [--portal portal-ID] [--instance  
portal-instance-name] [--searchserver search-server-ID] [--sra-instance  
sra-instance-name] --name logger-name --level level [--file {--stack-trace  
| --parent}] [--output output-filename ] [--verbose]
```

Short Format

```
psadmin set-logger -u uid -f password-filename -m component-type [-p  
portal-ID] [-i portal-instance-name] [-s search-server ] -O logger-name -L level [  
-F{-T | -P}] -o output-filename] [- v]
```

Options

The following options are required:

[--adminuser | -u] *uid*

Specifies the administrator's distinguished name (dn) or user ID.

[--passwordfile | -f] *password-filename*

Specifies the administrator's password in the password file.

[--component | -m]

Specifies the component type. Valid values are: portal, search, pas, gateway, nlproxy, rwproxy.

`[--logger | -O] logger-name`
Specifies the name of the logger.

`[--level | -L] level`
Specifies the level.

The following options are optional:

`[--file | -F]`

Specifies if the logger is to be logged to a separate file.

`[--stack-trace | -T]`

This option can be specified only if the `--file` option is specified. Specifies whether the stack trace is to be printed in the log file. If this option is specified, `--parent` option cannot be specified. The default is false. If the user specifies true, then the stack trace will be printed in the logger's log file.

`[--parent | -P]`

This option can be specified only if the `--file` option is specified. Specifies whether the log data is to be printed in the parent log file of the current logger. If this option is specified, `--stack-trace` option cannot be specified. The default is false, if the user does not specify it, the log data will be printed only in the current logger's log file. If the user specifies true, the log data will be printed in the parent log file and also in the current logger's log file.

`[--portal | -p] portal-ID`

Specifies the portal ID. This is required only if `component-type` is `portal`.

`[--instance | -i] portal-instance-name`

Specifies the portal server instance. This is required only if `component-type` is `portal`.

`[--searchserver | -s] search-server-ID`

Specifies the search server ID. This is required only if the the `--component-type` option is `search`.

`[--sra-instance] sra-instance-name`

Specifies the Portal Server Secure Remote Access instance. This is required only if the `--component-type` is **gateway**, **nlproxy**, or **rwproxy**.

`[--verbose | -v]`

Lists loggers verbosely.

EXAMPLE 2-3 set-logger level

Obtain the logger name from list-logger subcommand.

Set the level of the logger.

```
./psadmin set-logger -u amadmin -f passwordfile -m portal -p  
myPortal -i myInstance -O debug.com.sun.portal.desktop -L INFO
```

EXAMPLE 2-4 set-logger for separate file

Set a separate file and level for the logger. In this new file, no stack trace is logged and no content is logged to the parent (the log related to debug.com.sun.portal.desktop is not logged into the file associated with debug.com.sun.portal):

```
./psadmin set-logger -u amadmin -f passwordfile -m portal -p  
myPortal -i myInstance -O debug.com.sun.portal.desktop -L INFO -F
```

the output is:

```
Successfully completed!
```

EXAMPLE 2-5 set-logger for stack trace

Set a separate file and level for the logger. In this new file, stack trace will be logged. But log content will not be logged to the parent (the log related to debug.com.sun.portal.desktop will not be logged into the file associated with debug.com.sun.portal)

```
./psadmin set-logger -u amadmin -f passwordfile -m portal -p  
myPortal -i myInstance -O debug.com.sun.portal.desktop -L INFO -F  
-T
```

output is:

```
Successfully completed!
```

psadmin reset-logger

Description

Resets the log level and log file to that of the root logger.

Syntax

Long Format

```
psadmin reset-logger --adminuser uid --passwordfile password-filename  
--component component-type [--portal portal-ID] [--instance  
portal-instance-name] [--searchserver search-server-ID] [--sra-instance  
sra-instance-name] --name logger-name [--output output-filename] [--verbose]
```

Short Format

```
psadmin reset-logger -u uid -f password-filename -m component-type [-p  
portal-ID] [--instance portal-instance-name] [-s search-server] [-i  
instance-name] [-O logger-name] [-o output-filename] [-v]
```

Options

The following options are required:

`--adminuser | -u` *uid*

Specifies the administrator's distinguished name (dn) or user ID.

`--passwordfile | -f` *password-filename*

Specifies the administrator's password in the password file.

`--logger | -O` *logger-name*

Specifies the name of the logger.

The following options are not required:

`--portal | -p` *portal-ID*

Specifies the portal ID. This is required only if `component-type` is `portal`.

`--instance | -i` *portal-instance-name*

Specifies the portal server instance. This is required only if `component-type` is `portal`.

`[--searchserver | -s]` *search-server-ID*

Specifies the search server ID. This is required only if the `--component-type` option value is `search`.

`--sra-instance` *sra-instance-name*

Specifies the Portal Server Secure Remote Access instance. This is required only if the `--component-type` option value is either `gateway` or `nlproxy` or `rwproxy`.

[--verbose | -v]
Lists output filenames verbosely.

EXAMPLE 2-6 reset-logger

Obtain the logger-name using the list-logger subcommand.

```
./psadmin reset-logger -u amadmin -f passwordfile -p myPortal -i  
myInstance -O debug.com.sun.portal.desktop
```

The logs no longer go to the logger's log file, instead they go to the parent's log file with the same level as the parent. The log related to `debug.com.sun.portal.desktop` is only logged into the file associated with `debug.com.sun.portal`)

outputs:

```
Successfully completed!
```

Location of Log Files

The location of log files is as follows:

- "Portal Instance" on page 46
- "Portlet Applications" on page 47
- "Search Webapp" on page 47
- "Admin CLIs" on page 47
- "Admin Server" on page 48
- "Admin Console" on page 48
- "Gateway" on page 48
- "Netlet Proxy" on page 49
- "Rewriter Proxy" on page 49

Portal Instance

Log Configuration Filename and Location

```
ps-data-directory/portals/portal-ID/config/PSLogConfig.properties
```

Example

```
/var/opt/SUNWportal/portals/myPortal/config/PSLogConfig.properties
```

Log file Location

ps-data-directory/portals/portal-ID/logs/instance-ID

By default only one file is created - `portal.0.0.log`

Portlet Applications

Log Configuration Filename and Location

ps-data-directory/portals/portal-ID/config/PSLogConfig.properties

Example

`/var/opt/SUNWportal/portals/myPortal/config/PSLogConfig.properties`

Log file Location

ps-data-directory/portals/portal-ID/logs/instance-ID

By default only one file is created - `portal.0.0.log`

Search Webapp

Log Configuration Filename and Location

ps-data-directory/searchserver/search-ID/config/SearchLogConfig.properties

Example

`/var/opt/SUNWportal/searchserver/mySearch/config/SearchLogConfig.properties`

Log file Location

ps-data-directory/searchserver/search-ID/logs/

By default three files will be created - `rdmserver.0.0.log`, `rdm.0.0.log`,
`rdmgr.0.0.log`

Admin CLIs

Log Config Filename and Location

ps-config-directory/PSAdminLogConfig.properties

Example

`/etc/opt/SUNWportal/PSAdminLogConfig.properties`

Log file Location

ps-data-directory/logs/admin

By default only one file is created - `portal.admin.cli.0.0.log`

Admin Server

Log Config Filename and Location

ps-config-directory/PSAdminLogConfig.properties

Example

/etc/opt/SUNWportal/PSAdminLogConfig.properties

Log file Location

ps-data-directory/logs/admin

By default only one is created - `portal.0.0.log`

Admin Console

Log Configuration Filename and Location

ps-data-directory/portals/portal-ID/config/PSLogConfig.properties

Example

/var/opt/SUNWportal/portals/myportal/config/PSLogConfig.properties

Log file Location

ps-data-directory/logs/admin

By default only one is created - `portal.0.0.log`

Gateway

Log Configuration Filename and Location

ps-config-directory/platform.conf.gateway-profile-name

Example

/etc/opt/SUNWportal/platform.conf.gateway-profile-name

Log file Location

ps-data-directory/logs/sra/gateway-profile-name

By default only one file is created - `portal.gateway.0.0.log`

Netlet Proxy

Log Configuration Filename and Location

ps-config-directory/platform.conf.gateway-profile-name

Example

ps-data-directory/logs/sra/gateway-profile-name

Log file Location

ps-data-directory/logs/sra/gateway-profile-name

By default only one file is created - `portal.nlproxy.0.0.log`

Rewriter Proxy

Log Configuration Filename and Location

ps-config-directory/platform.conf.gateway-profile-name

Example

/etc/opt/SUNWportal/platform.conf.gateway-profile-name

Log file Location

ps-data-directory/logs/sra/gateway-profile-name

By default only one file is created - `portal.rwproxy.0.0.log`

Installing and Configuring Mobile Access

This chapter describes the following procedures:

- “Mobile Access Pre-install Steps on JES 3” on page 51
- “Manual Steps to Enable Mobile Access” on page 52
- “Manual Steps to Add Mobile Comms Channels” on page 53

Mobile Access Pre-install Steps on JES 3

▼ To Install Mobile Access on JES 3

Perform the following pre-installation steps manually before installing Mobile Access packages. These steps must be performed before installing JES3.

On a machine without Java Enterprise Server or Portal Server 7 packages, replace some JES 3 installation packages with Portal Server 7.0 installation packages.

- Steps**
1. **In the JES 3 installer location, replace `SUNWamma` and `SUNWammae` packages with `SUNWamma` and `SUNWammae` packages from Portal Server 7 installer. The path to the folder is**
JES3-bits-location/Solaris_sparc/Product/identity_svr/Packages/.
 2. **Similarly, Replace JES3 `SUNWma` and `SUNWmae` packages with Portal Server 7 `SUNWma` and `SUNWmae` packages in the location**
JES3-location/Solaris_sparc/Product/shared_components/Packages/.
After performing the preceding manual replacement of packages, you can proceed with the installation of JES 3 components followed by Portal Server 7 installation and configuration.

Manual Steps to Enable Mobile Access

This section contains the following:

- [“To Install Mobile Access on JES4” on page 52](#)
- [“To Enable Mobile Access on Portal Server 7” on page 52](#)

▼ To Install Mobile Access on JES4

You must perform the following pre-installation steps manually before installing Mobile Access packages. These steps must be performed before installing JES4. On a machine without any Java Enterprise Server or Portal Server 7 packages, replace some JES4 installation packages with Portal Server 7 installation packages.

- Step**
- **In the JES 4 installer location, replace `SUNWamma` and `SUNWammae` packages with `SUNWamma` and `SUNWammae` packages from Portal Server 7 installer. The path to the folder is `JES4-location/Solaris_sparc/Product/identity_svr/Packages/`.**
After performing the preceding manual replacement of packages, you can proceed with installation of JES 4 components followed by Portal Server 7 installation and configuration.

▼ To Enable Mobile Access on Portal Server 7

You must perform the following manual steps to enable Mobile Access functionality in Portal Server 7.0.

- Steps**
1. **In the Portal Server console, click Portals**
 2. **Click `portal1` in the list of portals.**
 3. **In the Current Location drop-down menu, select `DeveloperSample`.**

Note – If the user creates own organization, then select the user-created organization.

4. **In the Desktop Attributes section, change the default value of Parent Container to `WirelessDesktopDispatcher`.**
5. **Ensure the value of Edit Container is set to `JSPEditContainer`.**

6. Ensure the value of Desktop Type is set to `developer_sample`.
7. Click Save.

Manual Steps to Add Mobile Comms Channels

▼ To Manually add Mobile Comms Channels

You must perform the following steps to enable JSPComms Channels to work with Mobile Access application.

- Steps**
1. From the Portal Server console, click **Manage Channels and Containers**.
 2. In the pop-up window, select **DeveloperSample** from **Select Directory** drop-down menu.
 3. From **View Type**, select **JSPRenderingContainer** or **JSPNativeContainer**.
 4. From **Container Task** select **MobileAddressBook**, **MobileCalendar**, and **MobileMail** channels and click **Add**.
 5. On the portal desktop, configure the **Communications Express Address Book**, **Communications Express Calendar**, and **Communications Express Mail** channels, which are available by default.

After you add the Comms Channels to either the **JSPRenderingContainer** or **JSPNativeContainer**, they can be accessed from a mobile device.

Management Subcommands

This chapter describes the following subcommands:

- “psadmin list-portals” on page 55
- “psadmin create-portal” on page 56
- “psadmin delete-portal” on page 57
- “psadmin create-instance” on page 58
- “psadmin delete-instance” on page 59
- “psadmin redeploy” on page 60
- “psadmin export” on page 61
- “psadmin import” on page 63
- “psadmin list-par” on page 66
- “psadmin create-par” on page 68
- “psadmin schedule-tasks” on page 69
- “psadmin unschedule-tasks” on page 70
- “psadmin set-domain-repository-password” on page 72
- “psadmin version” on page 73

psadmin list-portals

Description

Produces a list of all portals and Portal Server instances that are available.

Syntax

Long Format

```
psadmin list-portals --adminuser uid --passwordfile password-file  
[--portal portal-name]
```

Short Format

```
psadmin list-portals -u uid -f password-filename [-p portal-name]
```

Options

The following options are required:

```
[--adminuser | -u uid
```

Specifies the administrator's distinguished name (dn) or user ID (uid).

```
[--passwordfile | -f] password-filename
```

Specifies the administrator's password in the password file.

The following option is optional:

```
[--portal | -p] portal-name
```

Include to display Portal Server instances for the portal specified. Omit to display Portal Server instances for all portals.

psadmin create-portal

Description

Sets up a new portal, registers it within the administration framework, and creates the portal's first Portal Server instance.

Syntax

Long Format

```
psadmin create-portal --adminuser uid --passwordfile password-file  
--portal portal-name --webconfig web-config-file --uri portal-uri
```

Short Format

```
psadmin create-portal -u uid -f password-filename -p portal-name -w  
web-config-file --uri portal-uri
```

Options

The following options are required:

`[--adminuser | -u] uid`

Specifies the administrator's distinguished name (dn), or user ID (uid).

`[--passwordfile | -f] password-filename`

Specifies the administrator's password in the password file.

`[--portal | -p] portal-name`

Specifies the name of the new portal.

`[--webconfig | -w] web-config-file`

Specifies the name of the web container properties file, which contains web container-specific configuration parameters. This properties file is in the `/opt/SUNWportal/template` directory for your platform.

`--uri portal-uri`

Specifies the uniform resource indicator (URI) where the portal web is deployed.

psadmin delete-portal

Description

Removes a portal from the administration framework and deletes all portal server instances and file system data associated with the portal. Undeploys the portal web application and portlet web applications deployed on the web container instances.

Syntax

Long Format

```
psadmin delete-portal --adminuser uid --passwordfile password-filename  
--portal portal-name
```

Short Format

```
psadmin delete-portal -u uid -f password-file -p portal-name
```

Options

The following options are required:

`[--adminuser | -u] uid`
Specifies the administrator's distinguished name (dn) or user ID (uid).

`[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.

`[--portal | -p] portal-name`
Specifies the name of the portal to remove.

See also [“psadmin list-portals”](#) on page 55

psadmin create-instance

Description

Sets up a new Portal Server instance and associates it with a portal.

Syntax

Long Format

```
psadmin create-instance --adminuser uid --passwordfile password-file  
--portal portal-name --webconfig web-config-file [--instance-name  
instance-name]
```

Short Format

```
psadmin create-instance -u uid -f password-filename -p portal-name -w  
web-config-file [-i instance-name]
```

Options

The following options are required:

`[--adminuser | -u] uid`

Specifies the administrator's distinguished name (dn) or user ID (uid).

`[--passwordfile | -f] password-filename`

Specifies the administrator's password in the password file.

`[--portal | -p] portal-name`

Specifies the name of the portal that the instance belongs to.

`[--webconfig | -w] web-config-file`

Specifies the name of the web container properties file, which contains web container-specific configuration parameters. This properties file is in the `/opt/SUNWportal/template` directory for your platform.

The following option is optional:

`[--instance | -i] instance-name`

Specifies the name of the new portal instance. If omitted, the administration framework generates the name as `host-name_port-number`.

psadmin delete-instance

Description

Removes a Portal Server instance from the portal, configures the web container to remove the instance entry, including undeploying the Portal WAR.

Syntax

Long Format

```
psadmin delete-instance --adminuser uid --passwordfile  
password-filename --portal portal-name --instance instance-name
```

Short Format

```
psadmin delete-instance -u uid -f password-filename -p portal-name -i  
instance-name
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name (dn), or user ID (uid).
- `[--passwordFile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--instance | -i] instance-name`
Specifies the name of the instance to remove.
- `[--portal | -p] portal-name`
Specifies the name of the portal that the instance belongs to.

psadmin redeploy

Description

Redeploys a Portal Server to a web container instance. If there's more than one Portal Server instance, this command will deploy the Portal application to all instances. If `--allwebapps` option is given, this command will re-deploy all web apps which are deployed with the Portal Server web app in the same web container instance.

Syntax

Long Format

```
psadmin redeploy --adminuser uid --passwordfile password-filename  
--portal portal-name [--allwebapps]
```

Short Format

```
psadmin redeploy -u uid -f password-filename -p portal-name -w
```

Options

The following options are required:

`[--adminuser | -u] uid`

Specifies the administrator's distinguished name (dn), or user ID (uid).

`[--passwordfile | -f] password-filename`

Specifies the administrator's password in the password file.

`[--portal | -p] portal-name`

Specifies the name of the portal that the instance belongs to.

The following option is optional:

`[--allwebapps | -w]`

Use of this flag will cause the web container to redeploy all web applications that were deployed for the Portal. It is recommended that this operation is done during off hours or non-production time. Also, depending on the number of web applications, it might take a while to complete the redeployment.

psadmin export

Description

Exports the portal desktop, including the provider and channels, data.

Syntax

Long Format

```
psadmin export --adminuser uid --passwordfile password-filename
[--files-only] --portal portal-name [--dp-only] --type type [--dn dn]
[--global] [--exportfile export_file_list] [--debug] par-filename
```

Short Format

```
psadmin export -u uid -f password-filename [--files-only] -p portal-name
[--dp-only] -t type [-d dn] [-g] [-x export_file_list] par-filename
```

Options

The following options are required:

`[--adminuser | -u] uid`

Specifies the administrator's distinguished name (dn) or user ID (uid). Enclose value in double quotation marks if it includes spaces.

`[--passwordfile | -f] password-filename`

Specifies administrator's password in the password file.

`[--portal | -p] portal-name`

Specifies the portal name.

`[--type | -t] type`

Specifies the type of data to be exported. Supports two types: desktop and provider. Note that the provider type must be used for channel as well as provider data.

The following argument is required:

`par-filename` Specifies the name of the PAR file, located in the local host. If a PAR file with this name already exists, an error message is displayed. See also PAR File Format.

The following options are optional:

`--files-only`

Specifies to back up the desktop file system data only. Default is off.

`--debug`

This flag is used for debugging purpose only, set this flag to true to see exceptions that caused the error. Default is off.

<code>--dp-only</code>	Specifies to export the display profile data only. Default is <code>off</code> .
<code>--export -x <i>export_file_list</i></code>	Specifies a comma separated list of export files. Applicable only if type is <code>provider</code> which is used for exporting provider and/or channels data as specified in the export file. Each export file is a text file (<code>.txt</code>), corresponds to an entry (provider, channel, or provider/channel combination) in the <code>.par</code> file, and specifies the data to be inserted into the specified <code>.par</code> file. See Chapter 20 for more information.
<code>--dn -d <i>dn</i></code>	Specifies the distinguished node from where data is to be exported. Applicable only if type is <code>provider</code> . This option is mutually exclusive to <code>--global</code> .
<code>--global -g</code>	Specifies the global level node to access the display profile document. Applicable only if type is <code>provider</code> . This option is mutually exclusive to <code>--dn</code> .

Example

```
psadmin export -u amadmin --passwordfile /tmp/passwd -t desktop
desktop.par
```

```
psadmin export -u amadmin --passwordfile /tmp/passwd -t provider
-d "ou=DeveloperSample,dc=someplace,dc=siroe,dc=com" -x
expfile1.txt,expfile2.txt desktop.par
```

psadmin import

Description

Imports portal data. The `import` subcommand requires an archive file (PAR file) in the local system.

Syntax

Long Format

```
psadmin import --adminuser uid --passwordfile password-filename
[--files-only] --portal portal-name [--continue] [--dp-only]
[--overwrite] [--dpnode dpnode] [--redeploy] [--operations
operations-list] [--debug] par-filename
```

Short Format

```
psadmin import -u uid -f password-filename [--files-only] -p portal-name
[-c] [--overwrite] [--dp-only] [--dpnode dpnode] [-D] [-O
operations-list] par-filename
```

Options

The following options are required:

- `--adminuser | -u` *uid*
Specifies the administrator's distinguished name (dn) or user ID (uid).
- `--passwordfile | -f` *password-filename*
Specifies the administrator's password in the password file.
- `--portal | -p` *portal-name*
Specifies the portal name.

The following argument is required:

par-filename Specifies the name of the PAR file, which is located in the local host.

The following options are optional:

- `--files-only` Specifies to desktop file system data only. Default is `off`.
- `--continue | -c` Specifies that the import process should continue if errors indicate that the storage structure of the archive file and the current system differ. Default is `false`.
- `--debug` This flag is used for debugging purpose only, set this flag to `true` to see exceptions that caused the error. Default is `off`.

<code>--dp-only</code>	Specifies to import display profile data only. Default is <code>off</code> .
<code>--overwrite</code>	Specifies whether to overwrite the display profile document and file system files, if data already exists. Default is <code>false</code> . If <code>true</code> , the data profile document is stored in the LDAP tree, replacing the original version, and file system data are overwritten. If <code>false</code> , the data profile document is combined with the data profile in the LDAP tree. File system data are not overwritten, if the same named file exists.
<code>--dpnode <i>dpnode</i></code>	Specifies the base <code>dn</code> for the display profiles and service attributes to be imported. If the base <code>dn</code> is not specified, the display profile node defined inside the PAR file is used. If the PAR file does not provide a definition, the portal's default organization <code>dn</code> is used.
<code>[--redeploy -D]</code>	Specifies whether to redeploy the Portal Server instances. By default, this is set to <code>false</code> .

Note – Use of this flag will cause the web container to redeploy all web applications that were deployed for the Portal. It is recommended that this operation is done during off hours or during non-production time.

<code>[--operations -O <i>operations-list</i>]</code>	Specifies a space separated list of operations where each operation constitutes of (pipe) separated list of keywords that can have values most of which are optional. This option is applicable only when the imported PAR file is of type <code>provider</code> . The operations list is in the following format:
---	--

```
"dpnode=dn|entry=name|provider [=name] |channel [=name] |
container=name [ |avail=name|selected] "
"dpnode=dn|entry=name|provider [=name] |channel [=name] |
container=name [ |avail=name|selected] "
```

If this option is not specified, the operations as specified in PS-AutoExtract entry in PAR file is used for import. For more information on the operations format, see [Chapter 21](#) for more information.

Example

```
psadmin import -u amadmin --passwordfile /tmp/passwd dp_org.par

psadmin import -u amadmin --passwordfile /tmp/passwd --dpnode
"ou=DeveloperSample,dc=someplace,dc=siroe,dc=com" -O '
"entry=mychannel|channel=anothername|avail=topcontainer"
"entry=yourchannel|channel=anothername|avail=topcontainer" '
dp_providers.par
```

psadmin list-par

Description

Used to describe a PAR file. The `list-par` subcommand requires a PAR file located in the local system. If none of the optional options are specified (see [“Options” on page 67](#) for more information), the `list-par` subcommand lists all the directories as specified in PAR file manifest.

Syntax

Long Format

```
psadmin list-par --adminuser uid --passwordfile passwordFile --portal  
portal-name [--pbfiles-only] [--dp-only] [--war-only]  
[--static-only] par-filename
```

Short Format

```
psadmin list-par -u uid -f passwordFile -p portal-name [--pbfiles-only]  
[--dp-only] [--war-only] [--static-only] par-filename
```

Options

The following options are required:

`--adminuser | -u` *uid*

Specifies the administrator's distinguished name (dn) or user ID (uid).

`--passwordfile | -f` *password-filename*

Specifies the administrator's password in the password file.

`--portal | -p` *portal-name*

Specifies the portal name.

The following argument is required:

par-filename Specifies the name of the PAR file, which is located in the local host.

The following options are optional:

`--pbfiles-only` Specifies if only `pbfiles` directory is to be listed. By default, this is turned off.

`--war-only` Specifies if only WAR directory is to be listed. By default, this is turned off.

`--dp-only` Specifies if only `dp` directory is to be listed. By default, this is turned off.

`--static-only` Specifies if only static directory is to be listed. By default, this is turned off.

psadmin create-par

Description

Creates a PAR file from a file system directory which contains the PAR file structure and data files.

Synopsis

Long Format

```
create-par --dir par_src_dir [--debug] par-file
```

Short Format

```
create-par -I par-src-dir [--debug] par-file
```

Options

The following option is required:

`--dir` | `-I par-src-dir` A fully qualified file system directory which contains the PAR file source.

The following option is optional:

`--debug` This flag is used for debugging purpose only, set this flag to `true` to see exceptions that caused the error. By default, this is set to `false`.

Operands

The following operand is supported:

par-file Specifies the PAR file to be created. The file must have the extension `.par`. If the PAR file already exists, it will be overwritten by the new file. See also PAR File Format.

psadmin schedule-tasks

Description

Designates commands to be run at specified time.

Syntax

Long Format

```
psadmin schedule-tasks --adminuser uid --passwordfile  
password-filename --commandfile command-file
```

Short Format

```
psadmin schedule-tasks -u uid -f password-filename --commandfile  
command-file
```

Options

The following options are required:

```
[--adminuser | -u] uid
```

Specifies the administrator's distinguished name (dn) or user ID (uid).

```
[--passwordfile | -f] password-filename
```

Specifies the administrator's password in the password file.

The following options are optional:

`--commandfile` *command-file* Specifies the full path of the command file that designates the names and execution schedules of commands.

The command format is `command -options | day_of_week@hour:minute;day_of_week@hour:minute`. For `day_of_week`, valid values are 0 for Sunday through 6 for Saturday. For `hour`, valid values are 0 through 23. For `minute`, valid values are 0 through 59.

Example

```
psadmin schedule-tasks-a amadmin --passwordfile /tmp/passwd
--commandfile file1
```

with the content of the `file1` file as:

```
./psadmin export -u amadmin -f /tmp/password dp_org.par | 1@23:30
;
```

psadmin unschedule-tasks

Description

Cancels commands that are designated to run.

Syntax

Long Format

```
psadmin unschedule-tasks --adminuser uid --passwordfile
password-filename --commandfile command-file
```

Short Format

```
psadmin unschedule-tasks -u uid -f password-filename --commandfile  
command-file
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name (dn) or user ID (uid).
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.

The following option is optional:

- `--commandfile command-file` Specifies the full path of the command file that designates the names and execution schedules of commands.

The command format is `command -options | day_of_week@hour:minute;day_of_week@hour:minute`. For `day_of_week`, valid values are 0 for Sunday through 6 for Saturday. For `hour`, valid values are 0 through 23. For `minute`, valid values are 0 through 59.

Example

```
psadmin unschedule-tasks -u amadmin --passwordfile /tmp/passwd  
--commandfile file1
```

with the content of the `file1` file as:

```
./psadmin export -u amadmin -f /tmp/password dp_org.par | 1@23:30  
;
```

psadmin set-domain-repository-password

Description

Sets the password used by the Portal Administration Server instance to log into the portal domain repository.

Syntax

Long Format

```
psadmin set-domain-repository-password --adminuser uid  
--passwordfile password-filename domainRepositoryPasswordFile
```

Short Format

```
psadmin set-domain-repository-password -u uid -f password-filename  
domainRepositoryPasswordFile
```

Options

The following options are required:

[--adminuser | -u] *uid*
Specifies the administrator's distinguished name (dn) or user ID (uid).

[--passwordfile | -f] *password-filename*
Specifies the administrator's password in the password file.

The following argument is required:

domainRepositoryPasswordFile Specifies the file that contains the portal domain repository password.

psadmin version

Description

Provides Portal Server version information.

Syntax

Long Format

```
psadmin --version --adminuser uid --passwordfile password-filename
[--display] [--patches] [--jar jar-file-name] [--verbose]
```

Short Format

```
psadmin -V -u uid -f password-filename [--display] [--patches] [--jar
jar-file-name] [-v]
```

Options

The following options are required:

`[--adminuser | -u] uid`
Specifies the administrator's distinguished name (dn) or user ID (uid).

`[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.

The following options are optional:

`--display` Specifies whether to display the portal's version information.
Default is `true`.

`--patches` Specifies whether to list Portal Server patch information.
Default is `false`.

`--jar jar-file-name` Specifies whether to display the JAR file's version information.

[`--verbose` | `-v`] Lists Portal Server patch information verbosely. By default, this is off.

Monitoring Subcommands

This chapter describes the following subcommands:

- “psadmin get-monitoring-mbeans-information” on page 75
- “psadmin get-monitoring-mbean-names” on page 79
- “psadmin get-monitoring-attribute-names” on page 84
- “psadmin get-monitoring-attributes” on page 89
- “psadmin log-monitoring-attributes” on page 93
- “psadmin set-monitoring-attributes” on page 102
- “psadmin reset-monitoring-mbeans” on page 104
- “psadmin delete-monitoring-mbeans” on page 108

```
psadmin  
get-monitoring-mbeans-information
```

Description

Returns attributes, operations, and notifications information about Portal Server MBeans.

Syntax

Long Format

```
psadmin get-monitoring-mbeans-information --adminuser uid
--passwordfile password-filename [--portal portal-ID] | [--proxy-type
sra-proxy-type ] --instance instance-ID [--type type-name-property
[--name-properties mbean-name-properties ] | [--object-name
mbean-object-name ] [--interactive] [ --output output-filename] [
--verbose] [mbean-name-regexp]
```

Short Format

```
psadmin get-monitoring-mbeans-information -u uid -f password-filename
[-p portal-ID ] | -x sra-proxy-type] [-i instance-ID] [[-t type-name-property [
--name-properties mbean-name-properties] | [--object-name
mbean-object-name]] -o output-filename [ -v] [mbean-name-regexp]
```

Options

The following options are required:

- `--adminuser | -u` *uid*
Specifies the administrator's distinguished name.
- `--passwordfile | -f` *password-filename*
Specifies the administrator's password in the password file.
- `--instance | -i` *instance-ID*
Specifies the Portal Server instance or Portal Server Secure Remote Access instance for this command. Portal Server Secure Remote Access instance is also known by Portal Server Secure Remote Access profile name.

The following options are not required:

- `--portal | -p` *portal-ID*
Specifies the portal ID.
- `--proxy-type | -x` *sra-proxy-type*
Identifies Portal Server Secure Remote Access Proxy type: Gateway, Rewriter Proxy, or Netlet Proxy. *sra-proxy-type* can be *gateway*, *rwp*, or *nlp* respectively.
- `--type | -t` *type-name-property*
Specifies the unique identity of the MBean ObjectName.
- `--name-properties` "*key1=value1,key2=value2,...*"
If ObjectName property 'type' is not unique, MBean ObjectName may have additional name-properties to uniquely identify it. You can locate such MBean specifying additional name-properties using this option, along with the the type option.

`--object-name mbean-object-name`
 Specifies a valid JMX ObjectName pattern to select monitoring MBeans.

`--interactive`
 Prompts for user confirmation to confirm getting information for the selected MBean.

`[--output | -o] output-filename`
 Names the output file.

`[--verbose | -v]`
 Shows progression of command.

The following operand is available:

`mbean-name-regexp` Specifies a `java.util.regex` regular expression as an operand to locate a MBean, if type and name-properties options are not enough.

Examples

EXAMPLE 5-1 `get-monitoring-mbeans-information -u amadmin -f ./password -p portall -i nicpl04_80 -t MonitoringConfiguration` gives

This command outputs:

```
com.sun.portal:type=MonitoringConfiguration
DESCRIPTION

Portal Server (PS) Monitoring

ATTRIBUTES
Name: UseJavaPlatformMBeanServer
Description: JDK 5.0: Use Java Platform MBeanServer. If enabled,
Java Management Instrumentation is accessible via PS CLI.
Type: java.lang.Boolean
Readable: true
Writable: true

Name: Disable
Description: Disable PS Monitoring. If PS Monitoring is disabled,
you will not be able to get PS statistics.
Type: java.lang.Boolean
Readable: true
Writable: true

Name: HtmlAdaptorPort
Description: JMX HTML Adaptor Port. If 0, JMX HTML Adaptor is disabled.
JMX HTML Adaptor is useful for debugging, only if PS CLI is not of
good help.
Type: java.lang.Integer
Readable: true
```

EXAMPLE 5-1 `get-monitoring-mbeans-information -u amadmin -f ./password -p portall -i nicpl04_80 -t MonitoringConfiguration` gives *(Continued)*

Writable: true

Name: ConnectorServerPort

Description: JMX Connector Server Port. PS CLI uses this port to connect to JMX MBeanServer and to fetch PS statistics information.

Type: java.lang.Integer

Readable: true

Writable: true

OPERATIONS

Name: reset

Description: Reset operation removes previously collected PS statistics. PS statistics will be collected if PS Monitoring has been enabled.

Type: void

Signature

No parameters found

Name: destroy

Description: Destroy operation destroys PS statistics. Please make sure you've disabled PS Monitoring before calling this operation.

Type: void

Signature

No parameters found

Name: getRegistry

Description: Returns a Map of [ObjectName, Object] for quick use inside Portal Monitoring Subsystem. Please note that not all Portal Monitoring MBeans participate in such registry.

Type: java.util.Map

Signature

No parameters found

NOTIFICATIONS

Name: javax.management.AttributeChangeNotification

Description: This MBean is a JMX (javax.management.) NotificationBroadcaster, and emits javax.management.AttributeChangeNotification for its attributes.

Notification types: jmx.attribute.change

psadmin get-monitoring-mbean-names

Description

Returns JMX ObjectNames for Portal Server MBeans.

This command fetches JMX MBean ObjectNames that match given type and name key properties, or given JMX ObjectName pattern, filtered with given ObjectName regular expression. The command fetches JMX ObjectNames from either a Portal Server instance or a Portal Server Secure Remote Access instance. Two options, `--portal` and `--proxy-type`, determine whether Portal Server instance or Portal Server Secure Remote Access instance names are fetched. If both `--portal` and `--proxy-type` options are specified, the `--portal` option is ignored.

If no option values or operand are specified, then the command returns ObjectNames of all MBeans registered with the Portal Server instance or the Portal Server Secure Remote Access instance. If the `--type` and `--name-properties`, `--object-name` options are specified, only the `object-name` option is considered for the operation.

Syntax

Long Format

```
psadmin get-monitoring-mbean-names --adminuser uid --passwordfile  
password-filename [--portal portal-ID] | [--proxy-type sra-proxy-type ]  
--instance instance-ID [--type type-name-property [--name-properties  
mbean-name-properties ] | [--object-name mbean-object-name ] [--output  
output-filename ] [--verbose] [mbean-name-regexp ]
```

Short Format

```
psadmin get-monitoring-mbean-names -u uid -f password-filename [-p  
portal-ID] | -x sra-proxy-type] [-i instance-ID ] [[-t type-name-property  
[-name-properties mbean-name-properties ] | [--object-name  
mbean-object-name ]] -o output-filename [ -v ] [mbean-name-regexp]
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name.
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--instance | -i] instance-ID`
Specifies the Portal Server instance or Portal Server Secure Remote Access instance for this command. Portal Server Secure Remote Access instance is also known by Portal Server Secure Remote Access profile name.

The following options are not required:

- `[--portal | -p] portal-ID`
Specifies the portal ID.
- `[--proxy-type | -x] sra-proxy-type`
Identifies Portal Server Secure Remote Access Proxy type: Gateway, Rewriter Proxy, or Netlet Proxy. *sra-proxy-type* can be *gateway*, *rwp*, or *nlp* respectively.
- `[--type | -t] type-name-property`
Specifies the unique identity of the MBean ObjectName.
- `--name-properties "key1=value1,key2=value2,..."`
If ObjectName property type is not unique, MBean ObjectName may have additional name-properties to uniquely identify it. You can locate such MBean specifying additional name-properties using this option, along with the `--type` option.
- `--object-name mbean-object-name`
Specifies a valid JMX ObjectName pattern to select monitoring MBeans.
- `[--output | -o] output-filename`
Names the output file.
- `[--verbose | -v]`
Shows progression of command.

The following operand is available:

- `mbean-name-regex` Specifies a `java.util.regex` regular expression as an operand to locate a MBean, if type and name-properties options are not enough.

Examples

EXAMPLE 5-2 `get-monitoring-mbean-names -u amadmin -f ./password -p portal1 -i nicp104_80`

This command outputs:

```
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
  name=Introduction,class=com.sun.portal.providers.urlscraper.
URLScraperProvider
com.sun.portal:type=com.sun.portal.desktop.context.ProviderCallerPool
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
  name=CommunityMembershipPortlet,class=com.sun.portal.providers.
portletwindow.PortletWindow Provider
com.sun.portal:type=ConnectorServer
com.sun.portal:type=HtmlAdaptorServer
com.sun.portal:type=DesktopRequestStatistic,name=Content
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
  name=CommunityPortlet,class=com.sun.portal.providers.portletwindow.
PortletWindowProvider
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
  name=Documentation,class=com.sun.portal.providers.urlscraper.
URLScraperProvider
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
  name=RedirectChannel,class=com.sun.portal.providers.jsp.JSPProvider
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
  name=CommunityAnonymousContainer,class=com.sun.portal.providers.
containers.jsp.table.JSPTableContainerProvider
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
  name=CommunityHomeContainer,class=com.sun.portal.providers.
containers.jsp.table.JSPTableContainerProvider
com.sun.portal:type=MonitoringConfiguration
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
  name=Login,class=com.sun.portal.providers.jsp.JSPProvider
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
  name=CommunityParentContainer,class=com.sun.portal.providers.
containers.jsp.single.JSPSingleContainerProvider
```

EXAMPLE 5-3 `get-monitoring-mbean-names -u amadmin -f ./password -p portal1 -i nicp104_80 -t DesktopRequestStatistic`

This command outputs:

```
com.sun.portal:type=DesktopRequestStatistic,name=Content
```

EXAMPLE 5-4 `get-monitoring-mbean-names -u amadmin -f ./password -p portal1 -i nicp104_80 -t DesktopRequestStatistic -v`

This command outputs:

```
MBean ObjectName pattern is null
MBean type is DesktopRequestStatistic
MBean name-properties are null
```

EXAMPLE 5-4 `get-monitoring-mbean-names -u amadmin -f ./password -p portall -i nicp104_80 -t DesktopRequestStatistic -v` (Continued)

```
MBean name reg-exp is null
Connecting to Portal Admin Server
Connecting to Portal Admin Server...done
Querying MBean ObjectNames with pattern com.sun.portal:
type=DesktopRequestStatistic,*
Filtering MBean ObjectNames with pattern [\S]*:[\S]*
com.sun.portal:type=DesktopRequestStatistic,name=Content
Disconnecting from Portal Admin Server
Disconnecting from Portal Admin Server...done
```

EXAMPLE 5-5 `get-monitoring-mbean-names -u amadmin -f ./password -p portall -i nicp104_80 --name-properties "channelAction=Content"`

This command outputs:

```
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=Introduction,class=com.sun.portal.providers.urlscraper.
URLScraperProvider
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityPortlet,class=com.sun.portal.providers.portletwindow.
PortletWindowProvider
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=Documentation,class=com.sun.portal.providers.urlscraper.
URLScraperProvider
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=RedirectChannel,class=com.sun.portal.providers.jsp.JSPProvider
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityAnonymousContainer,class=com.sun.portal.providers.container.
jsp.table.JSPTableContainerProvider
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityHomeContainer,class=com.sun.portal.providers.containers.
jsp.table.JSPTableContainerProvider
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityParentContainer,class=com.sun.portal.providers.containers.
jsp.single.JSPSingleContainerProvider
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityMembershipPortlet,class=com.sun.portal.providers.
portletwindow.PortletWindowProvider
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,name=Login,
class=com.sun.portal.providers.jsp.JSPProvider
```

EXAMPLE 5-6 `get-monitoring-mbean-names -u amadmin -f ./password -p portall -i nicp104_80 --name-properties "channelAction=Content,name=RedirectChannel"`

This command outputs:

```
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=RedirectChannel,class=com.sun.portal.providers.jsp.JSPProvider
```

EXAMPLE 5-7 `get-monitoring-mbean-names -u amadmin -f ./password -p portall -i nicp104_80 --object-name "*:type=ConnectorServer"`

This command outputs:

```
com.sun.portal:type=ConnectorServer
```

EXAMPLE 5-8 `get-monitoring-mbean-names -u amadmin -f ./password -p portall -i nicp104_80 -v type=ChannelActionStatistic,channelAction=Content,name=Community`

This command outputs

```
MBean ObjectName pattern is null
MBean type is null
MBean name-properties are null
MBean name reg-exp is type=ChannelActionStatistic,channelAction=Content,
name=Community
Connecting to Portal Admin Server
Connecting to Portal Admin Server...done
Querying MBean ObjectNames with pattern com.sun.portal:*
Filtering MBean ObjectNames with pattern [\S]*:type=ChannelActionStatistic,
channelAction=Content,name=Community[\S]*
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityMembershipPortlet,class=com.sun.portal.providers.portletwindow.
PortletWindowProvider
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityPortlet,class=com.sun.portal.providers.portletwindow.
PortletWindowProvider
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityAnonymousContainer,class=com.sun.portal.providers.containers.
jsp.table.JSPTableContainerProvider
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityHomeContainer,class=com.sun.portal.providers.containers.
jsp.table.JSPTableContainerProvider
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityParentContainer,class=com.sun.portal.providers.containers.
jsp.single.JSPSingleContainerProvider
Disconnecting from Portal Admin Server
Disconnecting from Portal Admin Server...done
```

psadmin

get-monitoring-attribute-names

Description

Returns MBean attribute names for Portal Server MBeans. A set of MBeans is first determined based on given type and name key properties, or given JMX ObjectName pattern.

This command fetches MBean attribute names from either a Portal Server instance or a Portal Server Secure Remote Access instance. Two options, `--portal` and `--proxy-type`, determine whether Portal Server instance or Portal Server Secure Remote Access instance names are fetched.

This command fetches MBean ObjectNames from either a Portal Server instance or a Portal Server Secure Remote Access instance. Two options, `--portal` and `--proxy-type`, determine whether Portal Server instance or Portal Server Secure Remote Access instance names are fetched. If both `portal` and `proxy-type` options are specified, `portal` option is ignored.

If no option values or operand are specified, then the command returns ObjectNames of all MBeans registered with the Portal Server instance or the Portal Server Secure Remote Access instance. If the `--type` and `--name-properties`, `--object-name` options are specified, only the `object-name` option is considered for the operation.

If *attribute-name-regexp* is specified, then attribute names of all MBeans from the determined set of MBeans matching the attribute name regular expression is returned. If attribute name regular expression is not specified, then all attribute names for a MBean are returned. If no option values or operand are specified, then attribute names of all MBeans registered with Portal Server instance or Portal Server Secure Remote Access instance are returned.

Syntax

Long Format

```
psadmin get-monitoring-attribute-names --adminuser uid
--passwordfile password-filename [--portal portal-ID] | [--proxy-type
sra-proxy-type] --instance instance-ID [--type type-name-property
[--name-properties mbean-name-properties] | [--object-name
mbean-object-name] [--interactive] [--output output-filename] [--verbose]
[ attribute-name-regexp]
```

Short Format

```
psadmin get-monitoring-attribute-names -u user -f password-filename
[-p portal-ID] | -x sra-proxy-type] [-i instance-ID] [--t type-name-property
[--name-properties mbean-name-properties] | [--object-name
mbean-object-name]] -o output-filename [-v] [attribute-name-regexp]
```

Options

The following options are required:

`--adminuser | -u` *uid*

Specifies the administrator's distinguished name.

`--passwordfile | -f` *password-filename*

Specifies the administrator's password in the password file.

`--instance | -i` *instance-ID*

Specifies the Portal Server instance or Portal Server Secure Remote Access instance for this command. Portal Server Secure Remote Access instance is also known by Portal Server Secure Remote Access profile name.

The following options are not required:

`--portal | -p` *portal-ID*

Specifies the portal ID.

`--proxy-type | -x` *sra-proxy-type*

Identifies Portal Server Secure Remote Access Proxy type: Gateway, Rewriter Proxy, or Netlet Proxy. *sra-proxy-type* can be *gateway*, *rwp*, or *nlp* respectively.

`--type | -t` *type-name-property*

Specifies the unique identity of the MBean ObjectName.

`--name-properties "key1=value1,key2=value2,..."`
 If ObjectName property 'type' is not unique, MBean ObjectName may have additional name-properties to uniquely identify it. You can locate such MBean specifying additional name-properties using this option, along with the `--type` option.

`--object-name mbean-object-name`
 Specifies a valid JMX ObjectName pattern to select monitoring MBeans.

`--interactive`
 Prompts for user confirmation to confirm getting attribute names for the selected MBean.

`[--output | -o] output-filename`
 Names the output file.

`[--verbose | -v]`
 Shows progression of command.

The following operand is available:

`[attribute-name-regexp]` Specifies a `java.util.regex` regular expression as an operand to locate a MBean, if type and name-properties options are not enough.

Examples

EXAMPLE 5-9 `get-monitoring-attribute-names -u amadmin -f ./password -p portall -i nicp104_80 -t MonitoringConfiguration`

This command outputs:

```
com.sun.portal:type=MonitoringConfiguration
  ConnectorServerPort
  Disable
  HtmlAdaptorPort
  UseJavaPlatformMBeanServer
```

EXAMPLE 5-10 `get-monitoring-attribute-names -u amadmin -f ./password -p portall -i nicp104_80 --interactive`

This command outputs:

```
Do you want to continue operation with <com.sun.portal:
  type=ChannelActionStatistic,channelAction=Content,name=Introduction,
  class=com.sun.portal.providers.urlscraper.URLScraperProvider>? [y/n]
n
Do you want to continue operation with <com.sun.portal:
  type=com.sun.portal.desktop.context.ProviderCallerPool>? [y/n]
n
Do you want to continue operation with <com.sun.portal:
  type=ChannelActionStatistic,channelAction=Content,
```

EXAMPLE 5-10 `get-monitoring-attribute-names -u amadmin -f ./password -p portall -i nicp104_80 --interactive` (Continued)

```
name=CommunityMembershipPortlet,class=com.sun.portal.providers.
portletwindow.PortletWindowProvider>? [y/n]
n
Do you want to continue operation with <com.sun.portal:
type=ConnectorServer>? [y/n]
Y
Do you want to continue operation with <com.sun.portal:
type=HtmlAdaptorServer>? [y/n]
Y
Do you want to continue operation with <com.sun.portal:
type=DesktopRequestStatistic,name=Content>? [y/n]
n
Do you want to continue operation with <com.sun.portal:
type=ChannelActionStatistic,channelAction=Content,
name=CommunityPortlet,class=com.sun.portal.providers.portletwindow.
PortletWindowProvider>? [y/n]
n
Do you want to continue operation with <com.sun.portal:
type=ChannelActionStatistic,channelAction=Content,
name=Documentation,class=com.sun.portal.providers.urlscraper.
URLScraperProvider>? [y/n]n
Do you want to continue operation with <com.sun.portal:
type=ChannelActionStatistic,channelAction=Content,
name=RedirectChannel,class=com.sun.portal.providers.jsp.JSPProvider>? [y/n]
n
Do you want to continue operation with <com.sun.portal:
type=ChannelActionStatistic,channelAction=Content,
name=CommunityAnonymousContainer,class=com.sun.portal.providers.
containers.jsp.table.JSPTableContainerProvider>? [y/n]n
Do you want to continue operation with <com.sun.portal:
type=ChannelActionStatistic,channelAction=Content,
name=CommunityHomeContainer,class=com.sun.portal.providers.containers.
jsp.table.JSPTableContainerProvider>? [y/n]
n
Do you want to continue operation with <com.sun.portal:
type=MonitoringConfiguration>? [y/n]
Y
Do you want to continue operation with <com.sun.portal:
type=ChannelActionStatistic,channelAction=Content,name>Login,class=com.sun.
portal.providers.jsp.JSPProvider>? [y/n]n
Do you want to continue operation with <com.sun.portal
:type=ChannelActionStatistic,channelAction=Content,
name=CommunityParentContainer,class=com.sun.portal.providers.containers.
jsp.single.JSPSingleContainerProvider>? [y/n]
n
com.sun.portal:type=ConnectorServer
Active
Address
Attributes
ConnectionIds.index
MBeanServerForwarder
```

EXAMPLE 5-10 get-monitoring-attribute-names -u amadmin -f ./password -p portal1 -i nicp104_80 --interactive (Continued)

```
com.sun.portal:type=HtmlAdaptorServer
  Active
  ActiveClientCount
  AuthenticationOn
  Host
  LastConnectedClient
  MaxActiveClientCount
  Parser
  Port
  Protocol
  ServedClientCount
  State
  StateString
com.sun.portal:type=MonitoringConfiguration
  ConnectorServerPort
  Disable
  HtmlAdaptorPort
  UseJavaPlatformMBeanServer
```

EXAMPLE 5-11 get-monitoring-attribute-names -u amadmin -f ./password -p portal1 -i nicp104_80 -v Port

This command outputs:

```
MBean ObjectName pattern is null
MBean type is null
MBean name-properties are null
Attribute name reg-exp is Port
Connecting to Portal Admin Server
Connecting to Portal Admin Server...done
Querying MBean ObjectNames with pattern com.sun.portal:*
Filtering MBean attribute names with pattern [\S]*Port[\S]*
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=Introduction,class=com.sun.portal.providers.urlscrapper.URLScrapperProvider
  No MBean attributes found
com.sun.portal:type=com.sun.portal.desktop.context.ProviderCallerPool
  No MBean attributes found
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityMembershipPortlet,class=com.sun.portal.providers.
portletwindow.PortletWindowProvider
  No MBean attributes found
com.sun.portal:type=ConnectorServer
  No MBean attributes found
com.sun.portal:type=HtmlAdaptorServer
  Port
com.sun.portal:type=DesktopRequestStatistic,name=Content
  No MBean attributes found
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityPortlet,class=com.sun.portal.providers.portletwindow.
PortletWindowProvider
```


EXAMPLE 5-11 get-monitoring-attribute-names -u amadmin -f ./password -p portall -i nicp104_80 -v Port (Continued)

```
No MBean attributes found
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
  name=Documentation,class=com.sun.portal.providers.urlscraper.
URLScrapperProvider
  No MBean attributes found
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
  name=RedirectChannel,class=com.sun.portal.providers.jsp.JSPProvider
  No MBean attributes found
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
  name=CommunityAnonymousContainer,class=com.sun.portal.providers.
containers.jsp.table.JSPTableContainerProvider
  No MBean attributes found
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
  name=CommunityHomeContainer,class=com.sun.portal.providers.containers.
jsp.table.JSPTableContainerProvider
  No MBean attributes found
com.sun.portal:type=MonitoringConfiguration
  ConnectorServerPort
  HtmlAdaptorPort
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
  name>Login,class=com.sun.portal.providers.jsp.JSPProvider
  No MBean attributes found
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
  name=CommunityParentContainer,class=com.sun.portal.providers.containers.
jsp.single.JSPSingleContainerProvider
  No MBean attributes found
Disconnecting from Portal Admin Server
Disconnecting from Portal Admin Server...done
```

psadmin get-monitoring-attributes

Description

Returns MBean attribute values for Portal Server MBeans. A set of MBeans is first determined based on given type and name key properties, or given JMX ObjectName pattern.

If the attribute name regular expression is specified, then attribute values of all MBeans from the determined set of MBeans matching the attribute name regular expression is returned. If it is not specified, then all attribute values for a MBean are returned. If no option values or operand are specified, then the command returns attribute values of all MBeans registered with the Portal Server instance or Portal Server Secure Remote Access instance.

Syntax

Long Format

```
psadmin get-monitoring-attributes --adminuser uid --passwordfile  
password-filename [--portal portal-ID] | [--proxy-type sra-proxy-type ]  
--instance instance-ID [--type type-name-property [--name-properties  
mbean-name-properties ] | [--object-name mbean-object-name]  
[--interactive] [--output output-filename] [--verbose] [  
attribute-name-regexp]
```

Short Format

```
psadmin get-monitoring-attributes -u user -f password-filename [ -p  
portal-ID] | -x sra-proxy-type] [-i instance-ID ] [[-t type-name-property [  
--name-properties mbean-name-properties] | [--object-name  
mbean-object-name]] -o output-filename [ -v] [attribute-name-regexp]
```

Options

The following options are required:

`[--adminuser | -u] uid`

Specifies the administrator's distinguished name.

`[--passwordfile | -f] password-filename`

Specifies the administrator's password in the password file.

`[--instance | -i] instance-ID`

Specifies the Portal Server instance or Portal Server Secure Remote Access instance for this command. Portal Server Secure Remote Access instance is also known by Portal Server Secure Remote Access profile name.

The following options are not required:

`[--portal | -p] portal-ID`
 Specifies the portal ID.

`[--proxy-type | -x] sra-proxy-type`
 Identifies Portal Server Secure Remote Access Proxy type: Gateway, Rewriter Proxy, or Netlet Proxy. *sra-proxy-type* can be *gateway*, *rwp*, or *nlp* respectively.

`[--type | -t] type-name-property`
 Specifies the unique identity of the MBean ObjectName.

`--name-properties "key1=value1,key2=value2,..."`
 If ObjectName property 'type' is not unique, MBean ObjectName may have additional name-properties to uniquely identify it. You can locate such MBean specifying additional name-properties using this option, along with the `--type` option.

`--object-name mbean-object-name`
 Specifies a valid JMX ObjectName pattern to select monitoring MBeans.

`--interactive`
 Prompts for user confirmation to confirm getting attribute names for the selected MBean.

`[--output | -o] output-filename`
 Names the output file.

`[--verbose | -v]`
 Shows progression of command.

The following operand is available:

`[attribute-name-regexp]` Specifies a `java.util.regex` regular expression as an operand to locate a MBean, if type and name-properties options are not enough.

Examples

EXAMPLE 5-12 `get-monitoring-attributes -u amadmin -f ./password -p portall -i nicp104_80 -t ConnectorServer`

This command outputs:

```
com.sun.portal:type=ConnectorServer
  Active = true
  Address = service:jmx:jmxmp://localhost:49156
  Attributes = {jmx.remote.profiles=TLS SASL/PortalServerPlain,
jmx.remote.tls.enabled.cipher.suites= SSL_RSA_WITH_RC4_128_MD5,
jmx.remote.tls.enabled.protocols=TLSv1}
  ConnectionIds.0 = jmxmp://localhost:64242 DemoUser 23436655
```

EXAMPLE 5-13 get-monitoring-attributes -u amadmin -f ./password -p
portall -i nicp104_80 Port

This command outputs:

```
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,  
  name=Introduction,class=com.sun.portal.providers.urlscraper.URLScraperProvider  
  No MBean attributes found  
com.sun.portal:type=com.sun.portal.desktop.context.ProviderCallerPool  
  No MBean attributes found  
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,  
  name=CommunityMembershipPortlet,class=com.sun.portal.providers.  
  portletwindow.PortletWindowProvider  
  No MBean attributes found  
com.sun.portal:type=ConnectorServer  
  No MBean attributes found  
com.sun.portal:type=HtmlAdaptorServer  
  Port = 49182  
com.sun.portal:type=DesktopRequestStatistic,name=Content  
  No MBean attributes found  
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,  
  name=CommunityPortlet,class=com.sun.portal.providers.portletwindow.  
  PortletWindowProvider  
  No MBean attributes found  
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,  
  name=Documentation,class=com.sun.portal.providers.urlscraper.  
  URLScraperProvider  
  No MBean attributes found  
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,  
  name=RedirectChannel,class=com.sun.portal.providers.jsp.JSPProvider  
  No MBean attributes found  
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,  
  name=CommunityAnonymousContainer,class=com.sun.portal.providers.containers.  
  jsp.table.JSPTableContainerProvider  
  No MBean attributes found  
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,  
  name=CommunityHomeContainer,class=com.sun.portal.providers.containers.  
  jsp.table.JSPTableContainerProvider  
  No MBean attributes found  
com.sun.portal:type=MonitoringConfiguration  
  ConnectorServerPort = 49156  
  HtmlAdaptorPort = 49182  
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,name=Login,  
  class=com.sun.portal.providers.jsp.JSPProvider  
  No MBean attributes found  
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,  
  name=CommunityParentContainer,class=com.sun.portal.providers.containers.jsp.  
  single.JSPSingleContainerProvider  
  No MBean attributes found
```

psadmin log-monitoring-attributes

Description

Returns MBean attribute values for Portal Server MBeans periodically. Returns MBean attribute values for identified MBeans every *interval-seconds*. A set of MBeans is first determined based on given type and name key properties, or given JMX ObjectName pattern.

If no option values or operand are specified, then the command returns ObjectNames of all MBeans registered with the Portal Server instance or the Portal Server Secure Remote Access instance. If the `--type` and `--name-properties`, `--object-name` options are specified, only the `object-name` option is considered for the operation.

If the attribute name regular expression is specified, then attribute values of all MBeans from the determined set of MBeans matching the attribute name regular expression is returned. If attribute name regular expression is not specified, then all attribute values for a MBean are returned.

Syntax

Long Format

```
psadmin log-monitoring-attributes --adminuser uid --passwordfile  
password-filename [--portal portal-ID] | [--proxy-type sra-proxy-type ]  
--instance instance-ID --period interval-seconds [--type type-name-property  
[--name-properties mbean-name-properties ] | [--object-name  
mbean-object-name ] [--interactive] [ --output output-filename] [  
--verbose] [attribute-name-regexp]
```

Short Format

```
psadmin log-monitoring-attributes -u uid -f password-filename [-p portal-ID] | -x sra-proxy-type] [-i instance-ID] [[ -t type-name-property [ --name-properties mbean-name-properties] | [--object-name mbean-object-name]] -o output-filename [ -v] [attribute-name-regexp]
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the administrator's distinguished name.
- [--passwordfile | -f] *password-filename*
Specifies the administrator's password in the password file.
- [--instance | -i] *instance-ID*
Specifies the Portal Server instance or Portal Server Secure Remote Access instance for this command. Portal Server Secure Remote Access instance is also known by Portal Server Secure Remote Access profile name.
- period *interval-seconds*
Specifies interval in seconds between two fetch attribute requests to identified MBeans.

The following options are not required:

- [--portal | -p] *portal-ID*
Specifies the portal ID.
- [--proxy-type | -x] *sra-proxy-type*
Identifies Portal Server Secure Remote Access Proxy type: Gateway, Rewriter Proxy, or Netlet Proxy. *sra-proxy-type* can be *gateway*, *rwp*, or *nlp* respectively.
- [--type | -t] *type-name-property*
Specifies the unique identity of the MBean ObjectName.
- name-properties "*key1=value1,key2=value2,...*"
If ObjectName property 'type' is not unique, MBean ObjectName may have additional name-properties to uniquely identify it. You can locate such MBean specifying additional name-properties using this option, along with the --type option.
- object-name *mbean-object-name*
Specifies a valid JMX ObjectName pattern to select monitoring MBeans.
- interactive
Prompts for user confirmation to confirm getting attribute values for the selected MBean.

`[- -output | -o] output-filename`
Names the output file.

`[- -verbose | -v]`
Shows progression of command.

The following operand is available:

`[attribute-name-regexp]` Specifies a `java.util.regex` regular expression as an operand to filter attribute names you are querying for values.

Examples

EXAMPLE 5-14 `log-monitoring-attributes -u amadmin -f ./password -p portall -i nicpl04_80 --period 30 --name-properties "channelAction=Content"`

This command outputs:

```
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=Introduction,
class=com.sun.portal.providers.urlscrapper.URLScrapperProvider|Count|
Description|LastSampleTime|LastTime|LowerBound|MaxTime|MinTime|Name|
RollingAvgTime|StartTime|TotalTime|Unit|UpperBound
1129282706283|2|Rolling average time to get fresh content for this channel|
1129214762259|94|100|1070|94|PS Channel Action Statistics: Content|
744|1129214743642|1164|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=RedirectChannel,class=com.sun.portal.providers.jsp.JSPProvider|
Count|Description|LastSampleTime|LastTime|LowerBound|MaxTime|MinTime|
Name|RollingAvgTime|StartTime|TotalTime|Unit|UpperBound
1129282706578|1|Rolling average time to get fresh content for this channel|
1129214725863|3179|100|3179|0|PS Channel Action Statistics: Content|
3179|1129214725856|3179|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=Documentation,class=com.sun.portal.providers.urlscrapper.
URLScrapperProvider|Count|Description|LastSampleTime|LastTime|LowerBound|
MaxTime|MinTime|Name|RollingAvgTime|StartTime|TotalTime|Unit|UpperBound
1129282706829|2|Rolling average time to get fresh content for this channel|
1129214762260|93|100|1494|93|PS Channel Action Statistics: Content|1027|
1129214744071|1587|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityPortlet,class=com.sun.portal.providers.portletwindow.
PortletWindowProvider|Count|Description|LastSampleTime|LastTime|LowerBound
|MaxTime|
MinTime|Name|RollingAvgTime|StartTime|TotalTime|Unit|UpperBound
1129282707068|1|Rolling average time to get fresh content for this channel|
1129214772705|10388|100|10388|0|PS Channel Action Statistics: Content|10388|
1129214772703|10388|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityAnonymousContainer,class=com.sun.portal.providers.containers.
```

EXAMPLE 5-14 log-monitoring-attributes -u amadmin -f ./password -p
portall -i nicpl04_80 --period 30 --name-properties
"channelAction=Content" (Continued)

```

jsp.table.JSPTableContainerProvider|Count|Description|LastSampleTime|
LastTime|LowerBound|MaxTime|MinTime|Name|RollingAvgTime|StartTime|TotalTime|
Unit|UpperBound
1129282707308|1|Rolling average time to get fresh content for this channel|
1129214744288|1837|100|1837|0|PS Channel Action Statistics: Content|1837|
1129214744287|1837|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityHomeContainer,class=com.sun.portal.providers.containers.jsp.
table.JSPTableContainerProvider|Count|Description|LastSampleTime|LastTime|
LowerBound|MaxTime|MinTime|Name|RollingAvgTime|StartTime|TotalTime|Unit|
UpperBound
1129282707597|1|Rolling average time to get fresh content for this channel|
1129214772706|10544|100|10544|0|PS Channel Action Statistics: Content|10544|
1129214772705|10544|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name>Login,class=com.sun.portal.providers.jsp.JSPProvider|Count|Description|
LastSampleTime|LastTime|LowerBound|MaxTime|MinTime|Name|RollingAvgTime|
StartTime|TotalTime|Unit|UpperBound
1129282707829|1|Rolling average time to get fresh content for this channel|
1129214744286|1784|100|1784|0|PS Channel Action Statistics: Content|1784|
1129214744285|1784|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityMembershipPortlet,class=com.sun.portal.providers.portletwindow.
PortletWindowProvider|Count|Description|LastSampleTime|LastTime|LowerBound|
MaxTime|MinTime|Name|RollingAvgTime|StartTime|TotalTime|Unit|UpperBound
1129282708074|1|Rolling average time to get fresh content for this channel|
1129214765880|3575|100|3575|0|PS Channel Action Statistics: Content|3575|
1129214765879|3575|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityParentContainer,class=com.sun.portal.providers.containers.jsp.
single.JSPSingleContainerProvider|Count|Description|LastSampleTime|LastTime|
LowerBound|MaxTime|MinTime|Name|RollingAvgTime|StartTime|TotalTime|Unit|
UpperBound
1129282708310|2|Rolling average time to get fresh content for this channel|
1129214775544|14849|100|14849|0|PS Channel Action Statistics: Content|14451|
1129214747977|29102|RollingAvgTime|1000

Please type <exit> when you want to stop logging monitoring attributes
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=Introduction,class=com.sun.portal.providers.urlscraper.
URLScraperProvider|Count|Description|LastSampleTime|LastTime|LowerBound|
MaxTime|MinTime|
Name|RollingAvgTime|StartTime|TotalTime|Unit|UpperBound
1129282739968|2|Rolling average time to get fresh content for this channel|
1129214762259|94|100|1070|94|PS Channel Action Statistics: Content|744|
1129214743642|1164|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=RedirectChannel,class=com.sun.portal.providers.jsp.JSPProvider|Count|
Description|LastSampleTime|LastTime|LowerBound|MaxTime|MinTime|Name|
RollingAvgTime|StartTime|TotalTime|Unit|UpperBound

```


EXAMPLE 5-14 log-monitoring-attributes -u amadmin -f ./password -p
portall -i nicpl04_80 --period 30 --name-properties
"channelAction=Content" (Continued)

```

1129282740212|1|Rolling average time to get fresh content for this channel|
1129214725863|3179|100|3179|0|PS Channel Action Statistics: Content|3179|
1129214725856|3179|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=Documentation,class=com.sun.portal.providers.urlscraper.
URLScraperProvider|Count|Description|LastSampleTime|LastTime|LowerBound|
MaxTime|MinTime|Name|RollingAvgTime|StartTime|TotalTime|Unit|UpperBound
1129282740456|2|Rolling average time to get fresh content for this channel|
1129214762260|93|100|1494|93|PS Channel Action Statistics: Content|1027|
1129214744071|1587|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityPortlet,class=com.sun.portal.providers.portletwindow.
PortletWindowProvider|Count|Description|LastSampleTime|LastTime|LowerBound|
MaxTime|MinTime|Name|RollingAvgTime|StartTime|TotalTime|Unit|UpperBound
1129282740688|1|Rolling average time to get fresh content for this channel|
1129214772705|10388|100|10388|0|PS Channel Action Statistics: Content|10388|
1129214772703|10388|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityAnonymousContainer,class=com.sun.portal.providers.containers.
jsp.table.JSPTableContainerProvider|Count|Description|LastSampleTime
|LastTime|LowerBound|MaxTime|MinTime|Name|RollingAvgTime|StartTime|
TotalTime|Unit|UpperBound
1129282740956|1|Rolling average time to get fresh content for this channel|
1129214744288|1837|100|1837|0|PS Channel Action Statistics: Content|1837|
1129214744287|1837|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityHomeContainer,class=com.sun.portal.providers.containers.jsp.
table.JSPTableContainerProvider|Count|Description|LastSampleTime|LastTime|
LowerBound|MaxTime|MinTime|Name|RollingAvgTime|StartTime|TotalTime
|Unit|UpperBound
1129282741187|1|Rolling average time to get fresh content for this channel|
1129214772706|10544|100|10544|0|PS Channel Action Statistics: Content|10544|
1129214772705|10544|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name>Login,class=com.sun.portal.providers.jsp.JSPProvider|Count|Description|
LastSampleTime|LastTime|LowerBound|MaxTime|MinTime|Name|RollingAvgTime|
StartTime|TotalTime|Unit|UpperBound
1129282741459|1|Rolling average time to get fresh content for this channel|
1129214744286|1784|100|1784|0|PS Channel Action Statistics: Content|1784|
1129214744285|1784|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityMembershipPortlet,class=com.sun.portal.providers.portletwindow.
PortletWindowProvider|Count|Description|LastSampleTime|LastTime|LowerBound|
MaxTime|MinTime|Name|RollingAvgTime|StartTime|TotalTime|Unit|UpperBound
1129282741691|1|Rolling average time to get fresh content for this channel|
1129214765880|3575|100|3575|0|PS Channel Action Statistics: Content|3575|
1129214765879|3575|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityParentContainer,class=com.sun.portal.providers.containers.jsp.
single.JSPSingleContainerProvider|Count|Description|LastSampleTime|LastTime|

```

EXAMPLE 5-14 log-monitoring-attributes -u amadmin -f ./password -p portall -i nicpl04_80 --period 30 --name-properties "channelAction=Content" (Continued)

```
LowerBound|MaxTime|MinTime|Name|RollingAvgTime|StartTime|TotalTime|Unit|
UpperBound
1129282742005|2|Rolling average time to get fresh content for this channel|
1129214775544|14849|100|14849|0|PS Channel Action Statistics: Content|14451|
1129214747977|29102|RollingAvgTime|1000
```

```
Please type <exit> when you want to stop logging monitoring attributes
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=Introduction,class=com.sun.portal.providers.urlscrapper.
URLScrapperProvider|Count|Description|LastSampleTime|LastTime|LowerBound
|MaxTime|MinTime|
Name|RollingAvgTime|StartTime|TotalTime|Unit|UpperBound
1129282773679|2|Rolling average time to get fresh content for this channel|
1129214762259|94|100|1070|94|PS Channel Action Statistics: Content|744|
1129214743642|1164|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=RedirectChannel,class=com.sun.portal.providers.jsp.JSPProvider|Count|
Description|LastSampleTime|LastTime|LowerBound|MaxTime|MinTime|Name|
RollingAvgTime|StartTime|TotalTime|Unit|UpperBound
1129282773913|2|Rolling average time to get fresh content for this channel|
1129282758188|4|100|3179|4|PS Channel Action Statistics: Content|2120|
1129214725856|3183|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=Documentation,class=com.sun.portal.providers.urlscrapper.
URLScrapperProvider|Count|Description|LastSampleTime|LastTime|LowerBound
|MaxTime|MinTime|
Name|RollingAvgTime|StartTime|TotalTime|Unit|UpperBound
1129282774175|2|Rolling average time to get fresh content for this channel|
1129214762260|93|100|1494|93|PS Channel Action Statistics: Content|1027|
1129214744071|1587|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityPortlet,class=com.sun.portal.providers.portletwindow.
PortletWindowProvider|Count|Description|LastSampleTime|LastTime|LowerBound|
MaxTime|MinTime|Name|RollingAvgTime|StartTime|TotalTime|Unit|UpperBound
1129282774420|1|Rolling average time to get fresh content for this channel|
1129214772705|10388|100|10388|0|PS Channel Action Statistics: Content|10388|
1129214772703|10388|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityAnonymousContainer,class=com.sun.portal.providers.containers.
jsp.table.JSPTableContainerProvider|Count|Description|LastSampleTime|
LastTime|LowerBound|MaxTime|MinTime|Name|RollingAvgTime|StartTime|
TotalTime|Unit|
UpperBound
1129282774662|1|Rolling average time to get fresh content for this channel|
1129214744288|1837|100|1837|0|PS Channel Action Statistics: Content|1837|
1129214744287|1837|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityHomeContainer,class=com.sun.portal.providers.containers.jsp.
table.JSPTableContainerProvider|Count|Description|LastSampleTime|LastTime|
LowerBound|MaxTime|MinTime|Name|RollingAvgTime|StartTime|TotalTime|Unit|
```

EXAMPLE 5-14 log-monitoring-attributes -u amadmin -f ./password -p
portall -i nicpl04_80 --period 30 --name-properties
"channelAction=Content" (Continued)

```

UpperBound
1129282774983|1|Rolling average time to get fresh content for this channel|
1129214772706|10544|100|10544|0|PS Channel Action Statistics: Content|10544|
1129214772705|10544|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,name=Login,
class=com.sun.portal.providers.jsp.JSPProvider|Count|Description|
LastSampleTime|LastTime|LowerBound|MaxTime|MinTime|Name|RollingAvgTime|
StartTime|TotalTime|Unit|UpperBound
1129282775563|1|Rolling average time to get fresh content for this channel|
1129214744286|1784|100|1784|0|PS Channel Action Statistics: Content|1784|
1129214744285|1784|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityMembershipPortlet,class=com.sun.portal.providers.portletwindow.
PortletWindowProvider|Count|Description|LastSampleTime|LastTime|LowerBound|
MaxTime|MinTime|Name|RollingAvgTime|StartTime|TotalTime|Unit|UpperBound
1129282775793|1|Rolling average time to get fresh content for this channel|
1129214765880|3575|100|3575|0|PS Channel Action Statistics: Content|3575|
1129214765879|3575|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityParentContainer,class=com.sun.portal.providers.containers.
jsp.single.
JSPSingleContainerProvider|Count|Description|LastSampleTime|LastTime|
LowerBound|MaxTime|MinTime|Name|RollingAvgTime|StartTime|TotalTime|Unit|
UpperBound
1129282776074|2|Rolling average time to get fresh content for this channel|
1129214775544|14849|100|14849|0|PS Channel Action Statistics: Content|14451|
1129214747977|29102|RollingAvgTime|1000

Please type <exit> when you want to stop logging monitoring attributes
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=Introduction,class=com.sun.portal.providers.urlscrapper.
URLScrapperProvider|Count|Description|LastSampleTime|LastTime|LowerBound|
MaxTime|MinTime|Name|RollingAvgTime|
StartTime|TotalTime|Unit|UpperBound 1129282807696|2|Rolling average time
to get fresh content for this channel|1129214762259|94|100|1070|94
|PS Channel Action Statistics: Content|744|1129214743642|1164|
RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=RedirectChannel,class=com.sun.portal.providers.jsp.JSPProvider|
Count|Description|LastSampleTime|LastTime|LowerBound|MaxTime|MinTime|Name|
RollingAvgTime|StartTime|TotalTime|Unit|UpperBound
1129282807921|2|Rolling average time to get fresh content for this channel|
1129282758188|4|100|3179|4|PS Channel Action Statistics: Content|2120|
1129214725856|3183|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content
,name=Documentation,class=com.sun.portal.providers.urlscrapper.
URLScrapperProvider|
Count|Description|LastSampleTime|LastTime|LowerBound|MaxTime|MinTime|
Name|RollingAvgTime|StartTime|TotalTime|Unit|UpperBound
1129282808136|2|Rolling average time to get fresh content for this channel|

```

EXAMPLE 5-14 log-monitoring-attributes -u amadmin -f ./password -p
portall -i nicp104_80 --period 30 --name-properties
"channelAction=Content" (Continued)

```
1129214762260|93|100|1494|93|PS Channel Action Statistics: Content|1027|
1129214744071|1587|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityPortlet,class=com.sun.portal.providers.portletwindow.
PortletWindowProvider|
Count|Description|LastSampleTime|LastTime|LowerBound|MaxTime|MinTime|Name|
RollingAvgTime|StartTime|TotalTime|Unit|UpperBound
1129282808351|1|Rolling average time to get fresh content for this channel|
1129214772705|10388|100|10388|0|PS Channel Action Statistics: Content|10388|
1129214772703|10388|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityAnonymousContainer,class=com.sun.portal.providers.containers.
jsp.table.JSPTableContainerProvider|Count|Description|LastSampleTime|LastTime|
LowerBound|MaxTime|MinTime|Name|RollingAvgTime|StartTime|TotalTime|Unit|
UpperBound 1129282808568|1|Rolling average time to get fresh content for this
channel|1129214744288|1837|100|1837|0|PS Channel Action Statistics: Content|
1837|1129214744287|1837|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityHomeContainer,class=com.sun.portal.providers.containers.
jsp.table.JSPTableContainerProvider|Count|Description|LastSampleTime|LastTime|
LowerBound|MaxTime|MinTime|Name|RollingAvgTime|StartTime|TotalTime|Unit|
UpperBound
1129282808788|1|Rolling average time to get fresh content for this channel|
1129214772706|10544|100|10544|0|PS Channel Action Statistics: Content|10544|
1129214772705|10544|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,name=Login,
class=com.sun.portal.providers.jsp.JSPProvider|Count|Description|
LastSampleTime|LastTime|LowerBound|MaxTime|MinTime|Name|RollingAvgTime|
StartTime|TotalTime|Unit|UpperBound
1129282809056|1|Rolling average time to get fresh content for this channel|
1129214744286|1784|100|1784|0|PS Channel Action Statistics:
Content|1784|1129214744285|1784|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content
,name=CommunityMembershipPortlet,class=com.sun.portal.providers.portletwindow.
PortletWindowProvider|Count|Description|LastSampleTime|LastTime|LowerBound|Max
Time|MinTime|Name|RollingAvgTime|StartTime|TotalTime|Unit|UpperBound
1129282809278|1|Rolling average time to get fresh content for this channel|112
9214765880|3575|100|3575|0|PS Channel Action Statistics: Content|3575|11292147
65879|3575|RollingAvgTime|1000
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=CommunityParentContainer,class=com.sun.portal.providers.containers.jsp
.single.JSPSingleContainerProvider|Count|Description|LastSampleTime|LastTime|
LowerBound|MaxTime|MinTime|Name|RollingAvgTime|StartTime|TotalTime|Unit|
UpperBound
1129282809494|2|Rolling average time to get fresh content for this channel|
1129214775544|14849|100|14849|0|PS Channel Action Statistics: Content|14451|
1129214747977|29102|RollingAvgTime|1000
```

Please type <exit> when you want to stop logging monitoring attributes
exit

```
EXAMPLE 5-14 log-monitoring-attributes -u amadmin -f ./password -p
portall -i nicp104_80 --period 30 --name-properties
"channelAction=Content"      (Continued)
```

```
Do you really want to exit? [y/n]
y
```

```
EXAMPLE 5-15 log-monitoring-attributes -u amadmin -f ./password -p
portall -i nicp104_80 --period 30 --name-properties
"name=RedirectChannel"
```

This command outputs:

```
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=RedirectChannel,class=com.sun.portal.providers.jsp.JSPPProvider|
Count|Description|LastSampleTime|LastTime|LowerBound|MaxTime|MinTime
|Name|RollingAvgTime|StartTime|TotalTime|Unit|UpperBound
1129282962603|2|Rolling average time to get fresh content for this channel|
1129282758188|4|100|3179|4|PS Channel Action Statistics: Content|2120|
1129214725856|3183|RollingAvgTime|1000
Please type <exit> when you want to stop logging monitoring attributes
1129282994319|2|Rolling average time to get fresh content for this channel|
1129282758188|4|100|3179|4|PS Channel Action Statistics: Content|2120|
1129214725856|3183|RollingAvgTime|1000
Please type <exit> when you want to stop logging monitoring attributes
1129283025953|2|Rolling average time to get fresh content for this channel|
1129282758188|4|100|3179|4|PS Channel Action Statistics: Content|2120|1
129214725856|3183|RollingAvgTime|1000
Please type <exit> when you want to stop logging monitoring attributes
1129283057584|2|Rolling average time to get fresh content for this channel|
1129282758188|4|100|3179|4|PS Channel Action Statistics: Content|2120|
1129214725856|3183|RollingAvgTime|1000
Please type <exit> when you want to stop logging monitoring attributes
exit
Do you really want to exit? [y/n]
y
```

psadmin set-monitoring-attributes

Description

Sets MBean attribute values for Portal Server MBeans. A set of MBeans is first determined based on given type and name key properties, or given JMX ObjectName pattern.

This command fetches MBean ObjectNames from either a Portal Server instance or a Portal Server Secure Remote Access instance. Two options, `--portal` and `-proxy-type`, determine whether Portal Server instance or Portal Server Secure Remote Access instance names are fetched. If both `--portal` and `-proxy-type` options are specified, `portal` option is ignored.

If no option values or operand are specified, then the command returns ObjectNames of all MBeans registered with the Portal Server instance or the Portal Server Secure Remote Access instance. If the `--type` and `--name-properties`, `--object-name` options are specified, only the `object-name` option is considered for the operation.

Be careful when you set `UseJavaPlatformMBeanServer` attribute of MBean with type `MonitoringConfiguration`. Toggling this boolean attribute may result in unregistering all MBeans in Portal Server instance or Portal Server Secure Remote Access instance, and the command might show an error message as a result.

Syntax

Long Format

```
psadmin set-monitoring-attributes --adminuser uid --passwordfile  
password-filename [--portal portal-ID] | [--proxy-type sra-proxy-type ]  
--instance instance-ID [--type type-name-property [--name-properties  
mbean-name-properties] | [--object-name mbean-object-name] [--interactive]  
[--output output-filename ] [--verbose] attribute1Name attribute1-value  
[[attribute2-Name attribute2-value] ...]
```

Short Format

```
psadmin set-monitoring-attributes -u user -f password-filename [ -p
portal-ID ] | -x sra-proxy-type ] [-i instance-ID ] [[-t type-name-property
[--name-properties mbean-name-properties ] | [--object-name
mbean-object-name ]] -o output-filename [-v] attribute1Name attribute1-value
[[attribute2-Name attribute2-value] ...]
```

Options

The following options are required:

`--adminuser | -u` *uid*

Specifies the administrator's distinguished name.

`--passwordfile | -f` *password-filename*

Specifies the administrator's password in the password file.

`--instance | -i` *instance-ID*

Specifies the Portal Server instance or Portal Server Secure Remote Access instance for this command. Portal Server Secure Remote Access instance is also known by Portal Server Secure Remote Access profile name.

The following options are not required:

`--portal | -p` *portal-ID*

Specifies the portal ID.

`--proxy-type | -x`] *sra-proxy-type*

Identifies Portal Server Secure Remote Access Proxy type: Gateway, Rewriter Proxy, or Netlet Proxy. *sra-proxy-type* can be *gateway*, *rwp*, or *nlp* respectively.

`--type | -t` *type-name-property*

Specifies the unique identity of the MBean ObjectName.

`--name-properties` "*key1=value1,key2=value2,...*"

If ObjectName property 'type' is not unique, MBean ObjectName may have additional name-properties to uniquely identify it. You can locate such MBean specifying additional name-properties using this option, along with the `--type` option.

`--object-name` *mbean-object-name*

Specifies a valid JMX ObjectName pattern to select monitoring MBeans.

`--interactive`

Prompts for user confirmation to confirm setting attribute values for the selected MBean.

`--output | -o`] *output-filename*

Names the output file.

[--verbose | -v]
Shows progression of command.

The following operand is available:

attribute1Name attribute1Value [[*attribute2Name attribute2Value*]...]]
Specifies attribute name value pairs that set attributes on identified MBeans.

Examples

EXAMPLE 5-16 psadmin set-monitoring-attributes

The following command lines show how to enable JMX HTML Adaptor for a portal instance. Note that enabling JMX HTML Adaptor may compromise security, is an un-supported feature, and to be used only for debugging. Using this CLI (monitoring subcommands of psadmin) and portal AdminConsole are recommended ways to monitor a portal instance.

```
./psadmin get-monitoring-attributes -u amadmin -f ./password -p portall
-i nicp104_80 -t MonitoringConfiguration
com.sun.portal:type=MonitoringConfiguration
ConnectorServerPort = 49156
Disable = false
HtmlAdaptorPort = 0
UseJavaPlatformMBeanServer = false
./psadmin set-monitoring-attributes -u amadmin -f ./password -p portall
-i nicp104_80 --interactive -t MonitoringConfiguration HtmlAdaptorPort 49182
Do you want to continue operation with <com.sun.portal:type=MonitoringConfiguration>? [y/n]
Y
com.sun.portal:type=MonitoringConfiguration
Attribute <HtmlAdaptorPort> value set as <49,182>
./psadmin get-monitoring-attributes -u amadmin -f ./password -p portall
-i nicp104_80 -t MonitoringConfiguration
com.sun.portal:type=MonitoringConfiguration
ConnectorServerPort = 49156
Disable = false
HtmlAdaptorPort = 49182
UseJavaPlatformMBeanServer = false
```

psadmin reset-monitoring-mbeans

Description

Resets Portal Server MBeans to their initial state.

Be careful when using this command to reset a MBean with type `MonitoringConfiguration`. `MonitoringConfiguration` MBean reset unregisters all Portal Server instance or Portal Server Secure Remote Access instance MBeans, and restarts instance monitoring. This command may show an error message if `MonitoringConfiguration` MBean has been reset, and the command tries to reset other MBeans.

Syntax

Long Format

```
psadmin reset-monitoring-mbeans --adminuser uid --passwordfile password-filename [--portal portal-ID] | [--proxy-type sra-proxy-type] --instance instance-ID [--type type-name-property [--name-properties mbean-name-properties] | [--object-name mbean-object-name] [--interactive] [--output output-filename] [--verbose] [mbean-name-regexp]
```

Short Format

```
psadmin reset-monitoring-mbeans -u uid -f password-filename [-p portal-ID] | -x sra-proxy-type] [-i instance-ID] [[ -t type-name-property [ --name-properties mbean-name-properties] | [--object-name mbean-object-name]] -o output-filename [ -v] [mbean-name-regexp]
```

Options

The following options are required:

`--adminuser` | `-u` *uid*

Specifies the administrator's distinguished name.

`--passwordfile` | `-f` *password-filename*

Specifies the administrator's password in the password file.

`--instance` | `-i` *instance-ID*

Specifies the Portal Server instance or Portal Server Secure Remote Access instance for this command. Portal Server Secure Remote Access instance is also known by Portal Server Secure Remote Access profile name.

The following options are not required:

`--portal` | `-p` *portal-ID*

Specifies the portal ID.

[--proxy-type | -x] *sra-proxy-type*
 Identifies Portal Server Secure Remote Access Proxy type: Gateway, Rewriter Proxy, or Netlet Proxy. *sra-proxy-type* can be either *gateway*, *rwp*, or *nlp* respectively.

[--type | -t] *type-name-property*
 Specifies the unique identity of the MBean ObjectName.

--name-properties "*key1=value1,key2=value2,...*"
 If ObjectName property 'type' is not unique, MBean ObjectName may have additional name-properties to uniquely identify it. You can locate such MBean specifying additional name-properties using this option, along with the --type option.

--object-name *mbean-object-name*
 Specifies a valid JMX ObjectName pattern to select monitoring MBeans.

--interactive
 Prompts for user confirmation to confirm resetting the selected MBean.

[--output | -o] *output-filename*
 Names the output file.

[--verbose | -v]
 Shows progression of command.

The following operand is available:

[*attribute-name-regexp*] Specifies a `java.util.regex` regular expression as an operand to locate a MBean, if type and name-properties options are not enough.

Examples

EXAMPLE 5-17 `psadmin reset-monitoring-mbeans -u amadmin -f ./password -p portall -i nicp104_80 --interactive --name-properties "name=RedirectChannel"`

The following snippet shows how a particular MBean can be reset

```
Do you want to continue operation with <com.sun.portal:
type=ChannelActionStatistic,channelAction=Content,name=RedirectChannel,
class=com.sun.portal.providers.jsp.JSPProvider>? [y/n]
n

      No MBeans reset
./psadmin get-monitoring-attributes -u amadmin -f ./password -p portall
s -i nicp104_80 --name-properties "name=RedirectChannel"
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=RedirectChannel,class=com.sun.portal.providers.jsp.JSPProvider
      Count = 2
      Description = Rolling average time to get fresh content for this
channel
      LastSampleTime = 1129282758188
```

EXAMPLE 5-17 psadmin reset-monitoring-mbeans -u amadmin -f ./password -p portall -i nicp104_80 --interactive --name-properties "name=RedirectChannel" (Continued)

```

    LastTime = 4
    LowerBound = 100
    MaxTime = 3179
    MinTime = 4
    Name = PS Channel Action Statistics: Content
    RollingAvgTime = 2120
    StartTime = 1129214725856
    TotalTime = 3183
    Unit = RollingAvgTime
    UpperBound = 1000
./psadmin reset-monitoring-mbeans -u amadmin -f ./password -p portall -i
nicp104_80 --interactive --name-properties "name=RedirectChannel"
Do you want to continue operation with <com.sun.portal:
type=ChannelActionStatistic,
channelAction=Content,name=RedirectChannel,class=com.sun.portal.providers.
jsp.JSPProvider>? [y/n]y
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=RedirectChannel,class=com.sun.portal.providers.jsp.JSPProvider
MBean reset
./psadmin get-monitoring-attributes -u amadmin -f ./password -p portall -i
nicp104_80 --name-properties "name=RedirectChannel"
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=RedirectChannel,class=com.sun.portal.providers.jsp.JSPProvider
Count = 0
Description = Rolling average time to get fresh content for this
channel
LastSampleTime = 1129283756991
LastTime = 0
LowerBound = 100
MaxTime = 0
MinTime = 0
Name = PS Channel Action Statistics: Content
RollingAvgTime = 0
StartTime = 1129283756991
TotalTime = 0
Unit = RollingAvgTime
UpperBound = 1000

```

psadmin delete-monitoring-mbeans

Description

Deletes or removes Portal Server MBeans.

Tries to delete MBeans that match given type and name key properties, or given JMX ObjectName pattern, filtered with given ObjectName regular expression.

Be careful when deleting MBeans as you may lose important data on the Portal Server instance or the Portal Server Secure Remote Access instance. Some MBeans are immortal MBeans, that is, they cannot be deleted via this command. MBeans with type `ConnectorServer`, `HtmlAdaptorServer`, and `MonitoringConfiguration` are immortal. You may need to restart Portal Server instance or the Portal Server Secure Remote Access instance if you delete an MBean accidentally.

Syntax

Long Format

```
psadmin delete-monitoring-mbeans --adminuser uid --passwordfile  
password-filename [--portal portal-ID] | [--proxy-type sra-proxy-type ]  
--instance instance-ID [--type type-name-property [--name-properties  
mbean-name-properties ] | [--object-name mbean-object-name] [--output  
output-filename] [--verbose] [mbean-name-regexp]
```

Short Format

```
psadmin delete-monitoring-mbeans -u user -f password-filename [-p  
portal-ID] | -x sra-proxy-type ] [-i instance-ID] [[-t type-name-property  
[--name-properties mbean-name-properties] | [--object-name  
mbean-object-name]] -o output-filename [--interactive] [-v]  
[mbean-name-regexp]
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name.
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--instance | -i] instance-ID`
Specifies the Portal Server instance or Portal Server Secure Remote Access instance for this command. Portal Server Secure Remote Access instance is also known by Portal Server Secure Remote Access profile name.

The following options are not required:

- `[--portal | -p] portal-ID`
Specifies the portal ID.
- `[--proxy-type | -x] sra-proxy-type`
Identifies Portal Server Secure Remote Access Proxy type: Gateway, Rewriter Proxy, or Netlet Proxy. *sra-proxy-type* can be either `gateway`, `rwp`, or `nlp` respectively.
- `[--type | -t] type-name-property`
Specifies the unique identity of the MBean ObjectName.
- `--name-properties "key1=value1,key2=value2,..."`
If ObjectName property 'type' is not unique, MBean ObjectName may have additional name-properties to uniquely identify it. You can locate such MBean specifying additional name-properties using this option, along with the `--type` option.
- `--object-name mbean-object-name`
Specifies a valid JMX ObjectName pattern to select monitoring MBeans.
- `--interactive`
Prompts for user confirmation to confirm deleting the selected MBean.
- `[--output | -o] output-filename`
Names the output file.
- `[--verbose | -v]`
Shows progression of command.

The following operand is available:

- `[mbean-name-regexp]` Specifies a `java.util.regex` regular expression as an operand to locate a MBean, if type and name-properties options are not enough.

Example

EXAMPLE 5-18 delete-monitoring-mbeans

The following snippet shows how a particular MBean can be deleted:

```
./psadmin delete-monitoring-mbeans -u amadmin -f ./password -p portall
-i nicp104_80 --name-properties "name=RedirectChannel"
com.sun.portal:type=ChannelActionStatistic,channelAction=Content,
name=RedirectChannel,class=com.sun.portal.providers.jsp.JSPProvider
MBean unregistered
./psadmin get-monitoring-attributes -u amadmin -f ./password -p portal
1 -i nicp104_80 --name-properties "name=RedirectChannel"
No MBeans found
```

Portlet Subcommands

This chapter describes the following subcommands:

- “psadmin deploy-portlet” on page 111
- “psadmin undeploy-portlet” on page 112

psadmin deploy-portlet

Description

Deploys the portlet web application into the Portal Server. It deploys the portlet WAR file and inserts the provider into display profile.

Syntax

Long Format

```
psadmin deploy-portlet --adminuser uid --passwordfile  
password-filename --dn dn | --global [--rolesfile roles-file]  
[--userinfofile user-info-file] --portal portal-ID portletwarfile  
[--locale]
```

Short Format

```
psadmin deploy-portlet -u uid -f password-filename -d dn [-r roles-file] [-n  
user-info-file] -p portal-ID [-g] portletwarfile [-l]
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name.
- `[--dn | -d] dn`
Specifies the distinguished name in the LDAP node to access the display profile document. The `-d` or `-g` option is required.
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--portal | -p] portal-ID`
Specifies the portal ID.

The following options are optional:

- `[--global | -g]`
Specifies the global level node in LDAP to access the display profile document. The `-d` or `-g` option is required.
- `[--rolesfile | -r] roles-file`
Specifies the file containing the Access Manager software and portlet application role mapping information.
- `[--userinfofile | -n] user-info-file`
Specifies the file containing the user information mapping information.

Operands

- `portletwarfile` Specifies the path to the WAR file.

psadmin undeploy-portlet

Description

Removes the portlet application from the portal server. It also removes the providers associated with portlets from display profile.

Syntax

Long Format

```
psadmin undeploy-portlet --adminuser uid --passwordfile  
password-filename --dn dn | --global --portal portal-ID portletwebapp  
[--locale]
```

Short Format

```
psadmin undeploy-portlet -u uid -f password-filename -d dn -p portal-ID  
[-g] portletwebapp [-l]
```

Options

The following options are required:

`[--adminuser | -u] uid`

Specifies the administrator's distinguished name.

`[--dn | -d] dn`

Specifies the distinguished name in the LDAP node to access the display profile document. The `-d` or `-g` option is required.

`[--passwordfile | -f] password-filename`

Specifies the administrator's password in the password file.

`[--portal | -p] portal-ID`

Specifies the portal ID.

The following option is optional:

`[--global | -g]`

Specifies the global level node in LDAP to access the display profile document. The `-d` or `-g` option is required.

Operands

`portletwebapp` Name of the portlet application which needs to be undeployed.

Rewriter Subcommands

This chapter describes the following commands:

- “psadmin get-rewriter-ruleset” on page 115
- “psadmin list-rewriter-rulesets” on page 116
- “psadmin create-rewriter-ruleset” on page 117
- “psadmin delete-rewriter-ruleset” on page 118
- “psadmin set-rewriter-ruleset” on page 119

psadmin get-rewriter-ruleset

Description

Returns the ruleset xml.

Syntax

Long Format

```
psadmin get-rewriter-ruleset --adminuser uid --passwordfile  
password-filename --rule ruleset-ID
```

Short Format

```
psadmin get-rewriter-ruleset -u uid -f password-filename -R ruleset-ID
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name (dn) or user ID.
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--rule | -R] ruleset-ID`
Specifies the ruleset ID.

psadmin list-rewriter-rulesets

Description

Lists the rewriter rulesets.

Syntax

Long Format

```
psadmin list-rewriter-rulesets --adminuser uid --passwordfile  
password-filename
```

Short Format

```
psadmin list-rewriter-rulesets -u uid -f password-filename
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name (dn) or user ID.

`[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.

psadmin create-rewriter-ruleset

Description

Stores the rewriter ruleset.

Syntax

Long Format

```
psadmin create-rewriter-ruleset --adminuser uid --passwordfile  
password-filename --file ruleset-filename
```

Short Format

```
psadmin create-rewriter-ruleset -u uid -f password-filename -F  
ruleset-filename
```

Options

The following options are required:

`[--adminuser | -u] uid`
Specifies the administrator's distinguished name (dn) or user ID.

`[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.

`[--file | -F] ruleset-filename`
Specifies the ruleset xml filename.

psadmin delete-rewriter-ruleset

Description

Removes the rewriter ruleset.

Syntax

Long Format

```
psadmin delete-rewriter-ruleset --adminuser uid --passwordfile  
password-filename --rule ruleset-ID
```

Short Format

```
psadmin delete-rewriter-ruleset -u uid -R ruleset-ID
```

Options

The following options are required:

[--adminuser | -u] *uid*
Specifies the administrator's distinguished name (dn) or user ID.

[--passwordfile | -f] *password-filename*
Specifies the administrator's password in the password file.

[--rule | -R] *ruleset-ID*
Specifies the ruleset ID.

psadmin set-rewriter-ruleset

Description

Sets the rewriter ruleset.

Syntax

Long Format

```
psadmin set-rewriter-ruleset --adminuser uid --passwordfile  
password-filename --file ruleset-filename
```

Short Format

```
psadmin set-rewriter-ruleset -u uid -f password-filename -F ruleset-filename
```

Options

The following options are required:

`[--adminuser | -u] uid`

Specifies the administrator's distinguished name (dn) or user ID.

`[--passwordfile | -f] password-filename`

Specifies the administrator's password in the password file.

`[--file | F] ruleset-filename`

Specifies the ruleset xml filename.

Search Subcommands - Search Database Management

This chapter describes the following subcommands:

- “psadmin analyze-search-database” on page 121
- “psadmin create-search-database” on page 122
- “psadmin expire-search-database” on page 124
- “psadmin list-search-databases” on page 125
- “psadmin purge-search-database” on page 126
- “psadmin reindex-search-database” on page 127
- “psadmin get-search-database-attribute” on page 128
- “psadmin list-search-database-attributes” on page 129
- “psadmin set-search-database-attribute” on page 131

psadmin analyze-search-database

Description

Analyzes a database for a search server.

Syntax

Long Format

```
psadmin analyze-search-database --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename --database database-name  
[--debug] [--output output-filename] [--verbose] [--refresh]
```

Short Format

```
psadmin analyze-search-db -s search-server-ID -u uid -f password-filename  
--database database-name [--debug] [--output output-filename] [-v]  
[--refresh]
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the Administrator's ID.
- [--passwordfile | -f] *password-filename*
Specifies the name of the password file.
- [--searchserver] *search-server-ID*
Specifies the search server ID.
- [--database] *database-name*
Specifies the database.

The following options are optional:

- [--refresh] Refreshes the analysis cache.
- [--debug] Specifies if debug mode is turned on.
- [--output] *output-filename* Specifies if the output mode is used.
- [--verbose | -v] Specifies if the verbose mode is used.

psadmin create-search-database

Description

Creates a search database.

Syntax

Long Format

```
psadmin create-search-database --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename --database database-name  
[--debug] [--output output-filename] [--verbose] [--attributes]  
'"key1=value1" "key2=value2" ...'
```

Short Format

```
psadmin create-search-db -s search-server-ID -u uid -f password-filename  
--database database-name [--debug] [--output output-filename] [-v]  
[--attributes] '"key1=value1" "key2=value2" ...'
```

Options

The following options are required:

- `--adminuser | -u` *uid*
Specifies the Administrator's ID.
- `--passwordfile | -f` *password-filename*
Specifies the name of the password file.
- `--searchserver | -s` *search-server-ID*
Specifies the search server ID.
- `--database` *database-name*
Specifies the database.

The following options are optional:

- `--attributes` '"key1=value1" "key2=value2" ...'
Specifies a list of attributes for the database.
- `--debug`
Specifies if debug mode is turned on.
- `--output` *output-filename*
Specifies if the output mode is used.
- `--verbose | -v`
Specifies if the verbose mode is used.

psadmin expire-search-database

Description

Expires a database for a search server.

Syntax

Long Format

```
psadmin expire-search-database --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename --database database-name  
[--debug] [--output output-filename] [--verbose]
```

Short Format

```
psadmin expire-search-db -s search-server-ID -u uid -f password-filename  
--database database-name [--debug] [--output output-filename] [-v]
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the Administrator's ID.
- `[--passwordfile | -f] password-filename`
Specifies the name of the password file.
- `[--searchserver | -s] search-server-ID`
Specifies the search server ID.
- `[--database] database-name`
Specifies the database.

The following options are optional:

- `[--debug]` Specifies if debug mode is turned on.
- `[--output] output-filename` Specifies if the output mode is used.

`[--verbose | -v]` Specifies if the verbose mode is used.

psadmin list-search-databases

Description

Lists all databases of a search server.

Syntax

Long Format

```
psadmin list-search-databases --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename [--debug] [--output  
output-filename] [--verbose]
```

Short Format

```
psadmin list-search-dbs -s search-server-ID -u uid -f password-filename  
[--debug] [--output output-filename] [-v]
```

Options

The following options are required:

`[--adminuser | -u] uid`
Specifies the Administrator's ID.

`[--passwordfile | -f] password-filename`
Specifies the name of the password file.

`[--searchserver | -s] search-server-ID`
Specifies the search server ID.

The following options are optional:

<code>[--debug]</code>	Specifies if debug mode is turned on.
<code>[--output] <i>output-filename</i></code>	Specifies if the output mode is used.
<code>[--verbose -v]</code>	Specifies if the verbose mode is used.

psadmin purge-search-database

Description

Purges the database for a search server.

Syntax

Long Format

```
psadmin purge-search-database --searchserver search-server-ID
--adminuser uid --passwordfile password-filename --database database-name
[--debug] [--output output-filename] [--verbose]
```

Short Format

```
psadmin purge-search-db -s search-server-ID -u uid -f password-filename
--database database-name [--debug] [--output output-filename] [-v]
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the Administrator's ID.
- `[--passwordfile | -f] password-filename`
Specifies the name of the password file.

`[--searchserver | -s] search-server-ID`
Specifies the search server ID.

`[--database] database-name`
Specifies the database.

The following options are optional:

`[--debug]` Specifies if debug mode is turned on.

`[--output] output-filename` Specifies if the output mode is used.

`[--verbose | -v]` Specifies if the verbose mode is used.

psadmin reindex-search-database

Description

Reindexes a database for a search server.

Syntax

Long Format

```
psadmin reindex-search-database --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename -database database-name  
[--debug] [--output output-filename] [--verbose]
```

Short Format

```
psadmin reindex-search-db -s search-server-ID -u uid -f password-filename  
--database database-name [--debug] [--output output-filename] [-v]
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the Administrator's ID.
- `[--passwordfile | -f] password-filename`
Specifies the name of the password file.
- `[--searchserver | -s] search-server-ID`
Specifies the search server ID.
- `[--database] database-name`
Specifies the database.

The following options are optional:

- `[--debug]` Specifies if debug mode is turned on.
- `[--output] output-filename` Specifies if the output mode is used.
- `[--verbose | -v]` Specifies if the verbose mode is used.

```
psadmin  
get-search-database-attribute
```

Description

Displays a search database attribute.

Syntax

Long Format

```
psadmin get-search-database-attribute --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename --database database-name  
--attribute key [--debug] [--output output-filename] [--verbose]
```


Short Format

```
psadmin get-search-db-attribute -s search-server-ID -u uid -f  
password-filename --database database-name --attribute key [--debug]  
[--output output-filename] [-v]
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the Administrator's ID.
- [--passwordfile | -f] *password-filename*
Specifies the name of the password file.
- [--searchserver | -s] *search-server-ID*
Specifies the search server ID.
- [--database] *database-name*
Specifies the database.
- [--attribute] *key*
Specifies the attribute name.

The following options are optional:

- [--debug] Specifies if debug mode is turned on.
- [--output] *output-filename* Specifies if the output mode is used.
- [--verbose | -v] Specifies if the verbose mode is used.

```
psadmin  
list-search-database-attributes
```

Description

Lists a database's attributes.

Syntax

Long Format

```
psadmin list-search-database-attributes --searchserver  
search-server-ID --adminuser uid --passwordfile password-filename  
--database database-name [--debug] [--output output-filename]  
[--verbose]
```

Short Format

```
psadmin list-search-db-attributes -s search-server-ID -u uid -f  
password-filename --database database-name [--debug] [--output  
output-filename] [-v]
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the Administrator's ID.
- [--passwordfile | -f] *password-filename*
Specifies the name of the password file.
- [--searchserver | -s] *search-server-ID*
Specifies the search server ID.
- [--database] *database-name*
Specifies the database.

The following options are optional:

- [--debug] Specifies if debug mode is turned on.
- [--output] *output-filename* Specifies if the output mode is used.
- [--verbose | -v] Specifies if the verbose mode is used.

psadmin set-search-database-attribute

Description

Lists the attributes for a database.

Syntax

Long Format

```
psadmin set-search-database-attribute --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename --database database-name  
--attribute key --value value [--debug] [--output output-filename]  
[--verbose]
```

Short Format

```
psadmin set-search-db-attribute -s search-server-ID -u uid -f  
password-filename --database database-name --attribute key --value value  
[--debug] [--output output-filename] [-v]
```

Options

The following options are required:

`[--adminuser | -u] uid`

Specifies the Administrator's ID.

`[--passwordfile | -f] password-filename`

Specifies the name of the password file.

`[--searchserver | -s] search-server-ID`

Specifies the search server ID.

[--database] *database-name*
Specifies the database.

[--attribute] *key*
Specifies the attribute name.

[--value] *value*
Specifies the attribute value.

The following options are optional:

[--debug] Specifies if debug mode is turned on.

[--output] *output-filename* Specifies if the output mode is used.

[--verbose | -v] Specifies if the verbose mode is used.

Search Subcommands - Import Agents

This chapter describes the following subcommands:

- “psadmin disable-search-importagents” on page 136
- “psadmin enable-search-importagents” on page 137
- “psadmin get-search-importagent-status” on page 138
- “psadmin list-search-importagents” on page 139
- “psadmin run-search-importagents” on page 141

psadmin create-search-importagent

Description

Creates a Search import agent.

Syntax

Long Format

```
psadmin create-search-importagent --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename --file file_name  
--database database-name [--debug] [--output output-filename] [--verbose]
```

Short Format

```
psadmin create-search-importagent -s search-server-ID -u uid -f  
password-filename --file file-name --database database-name [--debug]  
[--output output-filename] [--verbose]
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the Administrator's ID.
- [--passwordfile | -f] *password-filename*
Specifies the name of the password file.
- [--searchserver | -s] *search-server-ID*
Specifies the search server ID.
- [--file] *file-name*
Specifies the name of the configuration properties file for the import agent.
- [--database] *database-name*
Specifies the destination database for the import agent.

The following options are optional:

- [--debug] Specifies if debug mode is turned on.
- [--output] *output-filename* Specifies if the output mode is used.
- [--verbose | -v] Specifies if the verbose mode is used.

psadmin delete-search-importagents

Description

Deletes Search import agents.

Syntax

Long Format

```
psadmin delete-search-importagents --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename --importagents "'ID1"  
"ID2" ...' [--debug] [--output output-filename] [--verbose]
```

Short Format

```
psadmin delete-search-importagents -s search-server-ID -u uid -f  
password-filename --importagents "'ID1" "ID2" ...' [--debug] [--output  
output-filename] [--verbose]
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the Administrator's ID.
- `[--passwordfile | -f] password-filename`
Specifies the name of the password file.
- `[--searchserver | -s] search-server-ID`
Specifies the search server ID.
- `[--importagents] "'ID1" "ID2" ...'`
Specifies a list of import agent IDs.

The following options are optional:

- `[--debug]` Specifies if debug mode is turned on.
- `[--output] output-filename` Specifies if the output mode is used.
- `[--verbose | -v]` Specifies if the verbose mode is used.

psadmin disable-search-importagents

Description

Disables the import agents in a search server.

Syntax

Long Format

```
psadmin disable-search-importagents --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename --importagents "'ID1"  
"ID2" ...' [--debug] [--output output-filename] [--verbose]
```

Short Format

```
psadmin disable-search-importagents -s search-server-ID -u uid -f  
password-filename --importagents "'ID1" "ID2" ...' [--debug] [--output  
output-filename] [-v]
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the Administrator's ID.
- [--passwordfile | -f] *password-filename*
Specifies the name of the password file.
- [--searchserver | -s] *search-server-ID*
Specifies the search server ID.

`[--importagents] "'ID1" "ID2" ...'`
Specifies a list of import agent IDs.

The following options are optional:

`[--debug]` Specifies if debug mode is turned on.
`[--output] output-filename` Specifies if the output mode is used.
`[--verbose | -v]` Specifies if the verbose mode is used.

psadmin enable-search-importagents

Description

Enables import agents in a search server.

Syntax

Long Format

```
psadmin enable-search-importagents --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename --importagents "'ID1"  
"ID2" ...' [--debug] [--output output-filename] [--verbose]
```

Short Format

```
psadmin enable-search-importagents -s search-server-ID -u uid -f  
password-filename --importagents "'ID1" "ID2" ...' [--debug] [--output  
output-filename] [-v]
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the Administrator's ID.
- `[--passwordfile | -f] password-filename`
Specifies the name of the password file.
- `[--searchserver | -s] search-server-ID`
Specifies the search server ID.
- `[--importagents] "'ID1' 'ID2' ...'`
Specifies a list of import agent IDs.

The following options are optional:

- `[--debug]` Specifies if debug mode is turned on.
- `[--output] output-filename` Specifies if the output mode is used.
- `[--verbose | -v]` Specifies if the verbose mode is used.

```
psadmin  
get-search-importagent-status
```

Description

Gets the import agent status in a search server.

Syntax

Long Format

```
psadmin get-search-importagent-status --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename --importagent  
import-agent-ID [--debug] [--output output-filename] [--verbose]
```

Short Format

```
psadmin get-search-importagent-status -s search-server-ID -u uid -f  
password-filename --importagent import-agent-ID [--debug] [--output  
output-filename] [-v]
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the Administrator's ID.
- [--passwordfile | -f] *password-filename*
Specifies the name of the password file.
- [--searchserver | -s] *search-server-ID*
Specifies the search server ID.
- [--importagent] *import-agent-ID*
Specifies the import agent ID.

The following options are optional:

- [--debug] Specifies if debug mode is turned on.
- [--output] *output-filename* Specifies if the output mode is used.
- [--verbose | -v] Specifies if the verbose mode is used.

```
psadmin  
list-search-importagents
```

Description

Lists the import agents from a search server.

Syntax

Long Format

```
psadmin list-search-importagents --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename [--debug] [--output  
output-filename] [--verbose]
```

Short Format

```
psadmin list-search-importagents -s search-server-ID -u uid -f  
password-filename [--debug] [--output output-filename] [-v]
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the Administrator's ID.
- [--passwordfile | -f] *password-filename*
Specifies the name of the password file.
- [--searchserver | -s] *search-server-ID*
Specifies the search server ID.

The following options are optional:

- [--debug] Specifies if debug mode is turned on.
- [--output] *output-filename* Specifies if the output mode is used.
- [--verbose | -v] Specifies if the verbose mode is used.

psadmin run-search-importagents

Description

Runs an import agent from a search server.

Syntax

Long Format

```
psadmin run-search-importagents --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename [--debug] [--output  
output-filename] [--verbose]
```

Short Format

```
psadmin run-search-importagents -s search-server-ID -u uid -f  
password-filename [--debug] [--output output-filename] [-v]
```

Options

The following options are required:

`[--adminuser | -u] uid`
Specifies the Administrator's ID.

`[--passwordfile | -f] password-filename`
Specifies the name of the password file.

`[--searchserver | -s] search-server-ID`
Specifies the search server ID.

The following options are optional:

`[--debug]` Specifies if debug mode is turned on.

<code>[--output]</code>	<i>output-filename</i>	Specifies if the output mode is used.
<code>[--verbose -v]</code>		Specifies if the verbose mode is used.

Search Subcommands - Search Server Management

This chapter describes the following subcommands:

- “psadmin create-search-server” on page 143
- “psadmin delete-search-server” on page 144
- “psadmin list-search-servers” on page 145
- “psadmin get-popular-search” on page 146

psadmin create-search-server

Description

Creates a new search server.

Syntax

Long Format

```
psadmin create-search-server --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename --webconfig  
properties-filename [--debug] [--output output-filename] [--verbose]
```

Short Format

```
psadmin create-search-server -s search-server-ID -u uid -f  
password-filename -w properties-filename [--debug] [--output output-filename]  
[-v]
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the Administrator's ID.
- `[--passwordfile | -f] password-filename`
Specifies the name of the password file.
- `[--searchserver | -s] search-server-ID`
Specifies the search server ID.
- `[--webconfig | -w] properties-filename`
Specifies the web container properties file.

The following options are optional:

- `[--debug]` Specifies if debug mode is turned on.
- `[--output] output-filename` Specifies if the output mode is used.
- `[--verbose | -v]` Specifies if the verbose mode is used.

psadmin delete-search-server

Description

Deletes a search server.

Syntax

Long Format

```
psadmin delete-search-server --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename properties-filename  
[--debug] [--output output-filename] [--verbose]
```


Short Format

```
psadmin delete-search-server -s search-server-ID -u uid -f  
password-filename propertiesFile [--debug] [--output output-filename] [-v]
```

Options

The following options are required:

```
[--adminuser | -u] uid  
    Specifies the Administrator's ID.  
[--passwordfile | -f] password-filename  
    Specifies the name of the password file.  
[--searchserver | -s] search-server-ID  
    Specifies the search server ID.
```

The following options are optional:

```
[--debug]                               Specifies if debug mode is turned on.  
[--output] output-filename           Specifies if the output mode is used.  
[--verbose | -v]                         Specifies if the verbose mode is used.
```

psadmin list-search-servers

Description

Lists all search servers for a Portal Server domain.

Syntax

Long Format

```
psadmin list-search-servers --adminuser uid --passwordfile  
password-filename [--debug] [--output output-filename] [--verbose]
```

Short Format

```
psadmin list-search-servers -u uid -f password-filename --debug  
--output output-filename -v
```

Options

The following options are required:

[--adminuser | -u] *uid*
Specifies the Administrator's ID.

[--passwordfile | -f] *password-filename*
Specifies the name of the password file.

The following options are optional:

[--debug] Specifies if debug mode is turned on.

[--output] *output-filename* Specifies if the output mode is used.

[--verbose | -v] Specifies if the verbose mode is used.

psadmin get-popular-search

Description

The `get-popular-search` subcommand displays the popular searches from a search server.

Syntax

Long Format

```
psadmin get-popular-search --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename [--debug] [--output  
output-filename] [--verbose] [--cache] [--nobrowsing]
```

Short Format

```
psadmin get-popular-search -s search-server-ID --adminuser uid  
--passwordfile password-filename [--debug] [--output output-filename] [-v]  
[--cache] --nobrowsing]
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the Administrator's ID.
- [--passwordfile | -f] *password-filename*
Specifies the name of the password file.
- [--searchserver | -s] *search-server-ID*
Specifies the search server ID.

The following options are optional:

- [--debug] Specifies if debug mode is turned on.
- [--output] *output-filename* Specifies if the output mode is used.
- [--verbose | -v] Specifies if the verbose mode is used.
- [--cache] Specifies that the `get-popular-search` subcommand uses the cache results.
- [--nobrowsing] Specifies that the `get-popular-search` subcommand excludes browsing results.

Search Subcommands - Resource Description

This chapter describes the following subcommands:

- “`psadmin list-search-resourcedescriptions`” on page 149
- “`psadmin create-search-resourcedescription`” on page 151
- “`psadmin delete-search-resourcedescription`” on page 152
- “`psadmin modify-search-resourcedescription`” on page 153

`psadmin` `list-search-resourcedescriptions`

Description

Lists the resource descriptions from a search server.

Syntax

Long Format

```
psadmin list-search-resourcedescriptions --searchserver  
search-server-ID --searchtype search-type --adminuser uid --passwordfile  
password-filename --database database-name [--debug] [--output  
output-filename] [--verbose] [--query query] [--viewattributes ' "view1"  
"view2" "..." "viewN" ' ] [--startpage start-page] [--hitsperpage  
hits-per-page]
```

Short Format

```
psadmin list-search-rds -s search-server-ID --searchtype search-type -u
uid -f password-filename --database database-name [--debug] [--output
output-filename] [-v] [--query query] [--viewattributes ' "view1" "view2"
..." "viewN"' ] [--startpage start-page] [--hitsperpage hits-per-page]
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the Administrator's ID.
- [--passwordfile | -f] *password-filename*
Specifies the name of the password file.
- [--searchserver | -s] *search-server-ID*
Specifies the search server ID.
- [--searchtype] *search-type*
Specifies the type of search. The values are all, uncategorized, categorized, by_category, by_url, by_query.
- [--database] *database-name*
Specifies the name of the database.

The following options are optional:

- [--debug]
Specifies if debug mode is turned on.
- [--output] *output-filename*
Specifies if the output mode is used.
- [--verbose | -v]
Specifies if the verbose mode is used.
- [--query] *query*
Specifies the search query. The values are by_category, by_url and by_query.
- [--viewattributes] ' "view1" "view2" ..." "viewN" '
Displays the list of view attributes. To pass a list of strings, use the format ' "string1" "string2" "..." "stringN" ' .
- [--startpage] *start-page*
Specifies pagination. The startpage option is used with hitsperpage to manage how the results are displayed. The startpage option determines the page for a grouping of results, and hitsperpage determines how many results are in one group. The startpage value can be 1...n.
- [--hitsperpage] *hits-per-page*
Specifies the number of hits per page that are displayed. It can be 1...n. For example, to display the hits in groups of 5 on the page, specify the value for

hitsperpage as 5.

psadmin create-search-resourcedescription

Description

Creates a resource description in a search server.

Syntax

Long Format

```
psadmin create-search-resourcedescription --searchserver  
search-server-ID --file SOIF-filename --adminuser uid --passwordfile  
password-filename --database database-name [--debug] [--output  
output-filename] [--verbose]
```

Short Format

```
psadmin create-search-rd --s search-server-ID --file SOIF-filename -u uid  
-f password-filename --database database-name [--debug] [--output  
output-filename] [-v]
```

Options

The following options are required:

`--adminuser | -u` *uid*

Specifies the Administrator's ID.

`--passwordfile | -f` *password-filename*

Specifies the name of the password file.

`--searchserver | -s` *search-server-ID*

Specifies the search server ID.

`[--file] SOIF-filename`
Specifies the path and name of the SOIF file.

`[--database] database-name`
Specifies the database.

The following options are optional:

`[--debug]` Specifies if debug mode is turned on.

`[--output] output-filename` Specifies if the output mode is used.

`[--verbose | -v]` Specifies if the verbose mode is used.

psadmin delete-search-resourcedescription

Description

Deletes resource descriptions from a search server.

Syntax

Long Format

```
psadmin delete-search-resourcedescription --searchserver  
search-server-ID --adminuser uid --passwordfile password-filename --urls  
'"URL1" "URL2" "... "URLN"' --database database-name [--debug]  
[--output output-filename] [--verbose]
```

Short Format

```
psadmin delete-search-rd -s search-server-ID -u uid -f password-filename  
--urls '"URL1" "URL2" "... "URLN"' --database database-name  
[--debug] [--output output-filename] [-v]
```


Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the Administrator's ID.
- `[--passwordfile | -f] password-filename`
Specifies the name of the password file.
- `[--searchserver | -s] search-server-ID`
Specifies the search server ID.
- `[--urls] ' "URL1" "URL2" ... "URLN" '`
Specifies a list of URLs. To pass a list of strings, use the format "' string1' "string2" ... "stringN" '.
- `[--database] database-name`
Specifies the database.

The following options are optional:

- `[--debug]` Specifies if debug mode is turned on.
- `[--output] output-filename` Specifies if the output mode is used.
- `[--verbose | -v]` Specifies if the verbose mode is used.

`psadmin`
`modify-search-resourcedescription`

Description

Modifies a resource description in a search server.

Syntax

Long Format

```
psadmin modify-search-resourcedescription --searchserver  
search-server-ID --file SOIF-filename --adminuser uid --passwordfile  
password-filename --database database-name [--debug] [--output  
output-filename] [--verbose]
```

Short Format

```
psadmin modify-search-rd -s search-server-ID --file SOIF-filename -u uid  
-f password-filename --database database-name [--debug] [--output  
output-filename] [-v]
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the Administrator's ID.
- `[--passwordfile | -f] password-filename`
Specifies the name of the password file.
- `[--searchserver | -s] search-server-ID`
Specifies the search server ID.
- `[--file] SOIF-filename`
Specifies the path and name of the SOIF file.
- `[--database] database-name`
Specifies the database.

The following options are optional:

- `[--debug]` Specifies if debug mode is turned on.
- `[--output] output-filename` Specifies if the output mode is used.
- `[--verbose | -v]` Specifies if the verbose mode is used.

Search Subcommands - Robot Administration and Autoclassify

This chapter describes the following commands:

- “psadmin get-robot-status” on page 155
- “psadmin start-robot” on page 156
- “psadmin stop-robot” on page 157
- “psadmin create-robot-site” on page 158
- “psadmin delete-robot-site” on page 160
- “psadmin list-robot-sites” on page 161
- “psadmin enable-robot-sites” on page 162
- “psadmin disable-robot-sites” on page 163
- “psadmin list-robot-converters” on page 164
- “psadmin enable-robot-converters” on page 165
- “psadmin disable-robot-converters” on page 166
- “psadmin run-robot-simulator” on page 168
- “psadmin run-robot-siteprobe” on page 169
- “psadmin run-search-autoclassify” on page 170

psadmin get-robot-status

Description

Displays the search robot status.

Syntax

Long Format

```
psadmin get-robot-status --searchserver search-server-ID --adminuser  
uid --passwordfile password-filename
```

Short Format

```
psadmin get-robot-status -s search-server-ID -u uid -f password-filename
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the Administrator's ID.
- [--passwordfile | -f] *password-filename*
Specifies the name of the password file.
- [--searchserver | -s] *search-server-ID*
Specifies the search server ID.

The following options are optional:

- [--debug] Specifies if debug mode is turned on.
- [--output] *output-filename* Specifies if the output mode is used.
- [--verbose | -v] Specifies if the verbose mode is used.

psadmin start-robot

Description

Starts the search robot.

Syntax

Long Format

```
psadmin start-robot --searchserver search-server-ID --adminuser uid  
--passwordfile password-filename
```

Short Format

```
psadmin start-robot -s search-server-ID -u uid -f password-filename
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the Administrator's ID.
- `[--passwordfile | -f] password-filename`
Specifies the name of the password file.
- `[--searchserver | -s] search-server-ID`
Specifies the search server ID.

The following options are optional:

- `[--debug]` Specifies if debug mode is turned on.
- `[--output] output-filename` Specifies if the output mode is used.
- `[--verbose | -v]` Specifies if the verbose mode is used.

psadmin stop-robot

Description

Stops the search robot.

Syntax

Long Format

```
psadmin stop-robot --searchserver search-server-ID --adminuser uid  
--passwordfile password-filename
```

Short Format

```
psadmin stop-robot -s search-server-ID -u uid -f password-filename
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the Administrator's ID.
- [--passwordfile | -f] *password-filename*
Specifies the name of the password file.
- [--searchserver | -s] *search-server-ID*
Specifies the search server ID.

The following options are optional:

- [--debug] Specifies if debug mode is turned on.
- [--output] *output-filename* Specifies if the output mode is used.
- [--verbose | -v] Specifies if the verbose mode is used.

psadmin create-robot-site

Description

Creates a search robot crawling site.

Syntax

Long Format

```
psadmin create-robot-site --searchserver search-server-ID --adminuser
uid --passwordfile password-filename --sitename site-name [--isdomain]
[--depth]
```

Short Format

```
psadmin create-robot-site -s search-server-ID -u uid -f password-filename
--sitename site-name [--isdomain] [--depth]
```

Options

The following options are required:

`[--adminuser | -u] uid`

Specifies the Administrator's ID.

`[--passwordfile | -f] password-filename`

Specifies the name of the password file.

`[--searchserver | -s] search-server-ID`

Specifies the search server ID.

`[--sitename] site-name`

Specifies the site name for the robot to crawl. For example `www.siroe.com`.

The following options are optional:

`[--isdomain]` Specifies if the site is a domain.

`[--depth]` Specifies the link depth to be crawled.

`[--debug]` Specifies if debug mode is turned on.

`[--output] output-filename` Specifies if the output mode is used.

`[--verbose | -v]` Specifies if the verbose mode is used.

psadmin delete-robot-site

Description

Deletes a search robot crawling site.

Syntax

Long Format

```
psadmin delete-robot-site --searchserver search-server-ID --adminuser uid --passwordfile password-filename --site site-ID
```

Short Format

```
psadmin delete-robot-site -s search-server-ID -u uid -f password-filename --site site-ID
```

Options

The following options are required:

[--adminuser | -u] *uid*
Specifies the Administrator's ID.

[--passwordfile | -f] *password-filename*
Specifies the name of the password file.

[--searchserver | -s] *search-server-ID*
Specifies the search server ID.

[--site] *site-ID*
Specifies the robot site ID. Use the `list-robot-sites` subcommand to find the site ID.

The following options are optional:

[--debug] Specifies if debug mode is turned on.

`[--output] output-filename` Specifies if the output mode is used.
`[--verbose | -v]` Specifies if the verbose mode is used.

psadmin list-robot-sites

Description

Lists the search robot crawling sites.

Syntax

Long Format

```
psadmin list-robot-sites --searchserver search-server-ID --adminuser uid --passwordfile password-filename [--site] site-ID
```

Short Format

```
psadmin list-robot-sites -s search-server-ID -u uid -f password-filename [--site] site-ID
```

Options

The following options are required:

`[--adminuser | -u] uid`
Specifies the Administrator's ID.

`[--passwordfile | -f] password-filename`
Specifies the name of the password file.

`[--searchserver | -s] search-server-ID`
Specifies the search server ID.

The following options are optional:

<code>[--site] <i>site-ID</i></code>	Specifies the robot site ID to be displayed. If not specified, all robot sites are displayed.
<code>[--debug]</code>	Specifies if debug mode is turned on.
<code>[--output] <i>output-filename</i></code>	Specifies if the output mode is used.
<code>[--verbose -v]</code>	Specifies if the verbose mode is used.

psadmin enable-robot-sites

Description

Enables a search robot crawling site.

Syntax

Long Format

```
psadmin enable-robot-sites --searchserver search-server-ID
--adminuser uid --passwordfile password-filename --sites "Site1" "Site2"
"..." "Site-n"
```

Short Format

```
psadmin enable-robot-sites -s search-server-ID -u uid -f password-filename
--sites "Site1" "Site2" "..." "Site-n"
```

Options

The following options are required:

<code>[--adminuser -u] <i>uid</i></code>	Specifies the Administrator's ID.
<code>[--passwordfile -f] <i>password-filename</i></code>	Specifies the name of the password file.

`[--searchserver | -s] search-server-ID` Specifies the search server ID.
`[--sites] "Site1" "Site2" ..." "Site-n"` Specifies the robot site IDs. Use `list-robot-site` to find the site ID.

The following options are optional:

`[--debug]` Specifies if debug mode is turned on.
`[--output] output-filename` Specifies if the output mode is used.
`[--verbose | -v]` Specifies if the verbose mode is used.

psadmin disable-robot-sites

Description

Enables a search robot crawling site.

Syntax

Long Format

```
psadmin disable-robot-sites --searchserver search-server-IDs  
--adminuser uid --passwordfile password-filename --site "Site1" "Site2" "..."  
"Site-n"
```

Short Format

```
psadmin disable-robot-sites -s search-server-ID -u uid -f password-filename  
--sites "Site1" "Site2" "... "Site-n"
```

Options

The following options are required:

<code>[--adminuser -u] uid</code>	Specifies the Administrator's ID.
<code>[--passwordfile -f] password-filename</code>	Specifies the name of the password file.
<code>[--searchserver -s] search-server-ID</code>	Specifies the search server ID.
<code>[--sites] "Site1" "Site2" "... "Site-n"</code>	Specifies the robot site IDs. Use <code>list-robot-site</code> to find the site ID.

The following options are optional:

<code>[--debug]</code>	Specifies if debug mode is turned on.
<code>[--output] output-filename</code>	Specifies if the output mode is used.
<code>[--verbose -v]</code>	Specifies if the verbose mode is used.

psadmin list-robot-converters

Description

Lists all robot document converters for a search server.

Syntax

Long Format

```
psadmin list-robot-converters --searchserver search-server-ID
--adminuser uid --passwordfile password-filename
```

Short Format

```
psadmin list-robot-converters -s search-server-ID -u uid -f
password-filename
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the Administrator's ID.
- `[--passwordfile | -f] password-filename`
Specifies the name of the password file.
- `[--searchserver | -s] search-server-ID`
Specifies the search server ID.

The following options are optional:

- `--debug` Specifies if debug mode is turned on.
- `[--output] output-filename` Specifies if the output mode is used.
- `--verbose | -v` Specifies if the verbose mode is used.

psadmin enable-robot-converters

Description

Enables a search robot document converter.

Syntax

Long Format

```
psadmin enable-robot-converters --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename --converters  
"Converter1" "Converter2" "... " "Converter-n"
```

Short Format

```
psadmin enable-robot-converters -s search-server-ID -u uid -f  
password-filename --converters "Converter1" "Converter2" "... " Converter-n"
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the Administrator's ID.
- [--passwordfile | -f] *password-filename*
Specifies the name of the password file.
- [--searchserver | -s] *search-server-ID*
Specifies the search server ID.
- [--converters] "*Converter1*" "*Converter2*" "... " *Converter-n*"
Specifies the converter IDs. Use the `list-robot-converters` subcommand to find the converter ID.

The following options are optional:

- [--debug] Specifies if debug mode is turned on.
- [--output] *output-filename* Specifies if the output mode is used.
- [--verbose | -v] Specifies if the verbose mode is used.

psadmin disable-robot-converters

Description

Disables a search robot document converter.

Syntax

Long Format

```
psadmin disable-robot-converters --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename --converters  
"Converter1" "Converter2" "... " "Converter-n"
```

Short Format

```
psadmin disable-robot-converters -s search-server-ID -u uid -f  
password-filename --converters "Converter1" "Converter2" "... " "Converter-n"
```

Options

The following options are required:

`[--adminuser | -u] uid`

Specifies the Administrator's ID.

`[--passwordfile | -f] password-filename`

Specifies the name of the password file.

`[--searchserver | -s] search-server-ID`

Specifies the search server ID.

`[--converters] "Converter1" "Converter2" "... " "Converter-n"`

Specifies the converter IDs. Use the `list-robot-converter` subcommand to find the ID.

The following options are optional:

`[--debug]` Specifies if debug mode is turned on.

`[--output] output-filename` Specifies if the output mode is used.

`[--verbose | -v]` Specifies if the verbose mode is used.

psadmin run-robot-simulator

Description

Runs the robot simulator in the search server.

Syntax

Long Format

```
psadmin run-robot-simulator --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename [--sitename site-name]  
[--nodns] [--noredirect]
```

Short Format

```
psadmin run-robot-simulator -s search-server-ID -u uid -f password-filename  
[--sitename site-name] [--nodns] [--noredirect]
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the Administrator's ID.
- [--passwordfile | -f] *password-filename*
Specifies the name of the password file.
- [--searchserver | -s] *search-server-ID*
Specifies the search server ID.

The following options are optional:

- [--sitename] *site-name* Specifies the robot site for running robot simulator, for example, *www.siroe.com*. If this is not specified, the simulator runs against all robot sites that are not a domain .

<code>[--nodns]</code>	Specifies not to check for DNS aliases when running the robot simulator.
<code>[--noredirect]</code>	Specifies not to check for server redirect when running the robot simulator.
<code>[--debug]</code>	Specifies if debug mode is turned on.
<code>[--output] <i>output-filename</i></code>	Specifies if the output mode is used.
<code>[--verbose -v]</code>	Specifies if the verbose mode is used.

psadmin run-robot-siteprobe

Description

Runs the robot simulator in a search server.

Syntax

Long Format

```
psadmin run-robot-siteprobe --searchserver search-server-ID
--adminuser uid --passwordfile password-filename --sitename site-name
[--nodns]
```

Short Format

```
psadmin run-robot-siteprobe -s search-server-ID -u uid -f password-filename
--sitename site-name [--nodns]
```

Options

The following options are required:

[--adminuser | -u] *uid*
Specifies the Administrator's ID.

[--passwordfile | -f] *password-filename*
Specifies the name of the password file.

[--searchserver | -s] *search-server-ID*
Specifies the search server ID.

[--sitename] *siteName*
Specifies the robot site for running robot simulator. For example, `www.siroe.com`.

The following option is optional:

[--nodns]	Specifies not to check for DNS aliases when running the robot simulator.
[--debug]	Specifies if debug mode is turned on.
[--output] <i>output-filename</i>	Specifies if the output mode is used.
[--verbose -v]	Specifies if the verbose mode is used.

psadmin run-search-autoclassify

Description

Runs autoclassify in a search server.

Syntax

Long Format

```
psadmin run-search-autoclassify --searchserver search-server-ID  
--adminuser uid --passwordfile password-filename --database database-name
```

Short Format

```
psadmin run-search-autoclassify -s search-server-ID -u uid -f  
password-filename --database database-name
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the Administrator's ID.
- `[--passwordfile | -f] password-filename`
Specifies the name of the password file.
- `[--searchserver | -s] search-server-ID`
Specifies the search server ID.
- `[--database] database-name`
Specifies the database name against which to run autoclassify.

The following options are optional:

- `[--debug]` Specifies if debug mode is turned on.
- `[--output] output-filename` Specifies if the output mode is used.
- `[--verbose | -v]` Specifies if the verbose mode is used.

Service Attribute Command Line Interfaces

This chapter describes the following commands:

- “psadmin list-attributes” on page 173
- “psadmin get-attribute” on page 175
- “psadmin set-attribute” on page 177

psadmin list-attributes

Description

The `list-attributes` command will list the configuration attributes for a specific Portal Server component.

Syntax

Long Format

```
psadmin list-attributes --adminuser uid --passwordfile  
password-filename [--portal portal-name] --component component-name  
[--consumerregistration] [--configuredproducer] [--debug]  
[--output output-filename]
```

Short Format

```
psadmin list-attributes -u uid -f password-filename [-p portal-name]  
--component component-name [--consumerregistration]  
[--configuredproducer] [--debug] [-O output-filename]
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the administrator's distinguished name (dn) or the user identification name (uid).
- [--passwordfile | -f] *password-filename*
Specifies the administrator's password in the password file.
- [--component | -m] *component-name*
Specifies the component name. Valid names are: producer, consumer, desktop, mobilemail, mobilecalendar, mobileaddressbook, gateway, netlet, proxylet, netfile, and subscriptions.

The following options are optional:

- [--portal | -p] *portal-name*
Specifies the portal name. The --portal option is required when a portal-centric component attribute is being accessed. The following components are portal-centric and you must provide the --portal option for list, get, and set operations while using the following components: desktop, producer, consumer, and subscriptions. For all other components, do not use the -portal option since they are common to all portals.
- [--consumerregistration]
Specifies that the attributes of a producer's consumer registration are listed instead of the attributes of a producer. This is used only when the component is producer.
- [--configuredproducer]
Specifies that the attributes of a consumer's configured producer are listed instead of the attributes of a consumer. This is used only when the component is consumer.
- [--gateway-profile] *gateway-profile-name*
Specifies the gateway profile name. This is used only when the component is gateway.
- [--debug]
Specifies if debug mode is turned on.
- [--output | -O] *output-filename*
Specifies if the output mode is used.

Examples

```
psadmin list-attributes -u amadmin -f password_file --component
desktop -p myPortal
```

psadmin get-attribute

Description

The `get-attribute` command gets the attribute value for a specific component and attribute.

Syntax

Long Format

```
psadmin get-attribute --adminuser uid --passwordfile password-filename
[--portal portal-name] --component component-name [--producer
producer_id] [--registrationhandle handle] --attribute-name
attribute-name [--dn dn] [--debug] [--output output-filename]
```

Short Format

```
psadmin get-attribute -u uid -f password-filename [-p portal-name]
--component component-name [--producer producer-id]
[--registrationhandle handle] -a attribute-name [-d dn] [--debug] [-O
output-filename]
```

Options

The following options are required:

```
[--adminuser | -u] uid
```

Specifies the administrator's distinguished name (dn) or the user identification name (uid).

- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--component | -m] component-name`
Specifies the component name. Valid names are: `producer`, `consumer`, `desktop`, `mobilemail`, `mobilecalendar`, `mobileaddressbook`, `gateway`, `netlet`, `proxylet`, `netfile`, and `subscriptions`.
- `[--attribute-name | -a] attribute-name`
Specifies the attribute name. For list of the attribute names for a component, please run the command `psadmin list-attributes --component component-name`.

The following options are optional:

- `[--portal | -p] portal-name`
Specifies the portal name. The `--portal` option is required when a portal-centric component attribute is being accessed. The following components are portal-centric and you must provide the `--portal` option for `list`, `get`, and `set` operations while using the following components: `desktop`, `producer`, `consumer`, and `subscriptions`. For all other components, do not use the `-portal` option since they are common to all portals.
- `[--producer] producer-ID`
Specifies the producer id. This is the ID or the name of a producer when the component is `producer` and it is the ID of a configured producer when the component is `consumer`. This option is valid only if the component is `producer` or `consumer`.
- `[--registrationhandle] handle`
Specifies the registration handle of a producer's consumer registration. The attribute of a producer's consumer registration is returned (not the attribute of a producer itself). This option is valid only if the component is `producer`.
- `[--dn | -d]`
Specifies the dn of the node. This must be an organization DN when the component is `consumer`.
- `[--gateway-profile] gateway-profile-name`
Specifies the gateway profile name. This is used only when the component is `gateway`.
- `[--debug]`
Specifies if debug mode is turned on.
- `[--output | -O] output-filename`
Specifies if the output mode is used.

Example

```
psadmin get-attribute -u amadmin -f password-file --component
desktop -p myPortal --attribute-name AuthorizedAuthlessUserIds
[uid=devauthlessanonymous,ou=People,o=DeveloperSample,dc=red,dc=iplanet,dc=com
```



```
|devauthlessanonymous,  
uid=authlessanonymous,ou=People,dc=red,dc=iplanet,dc=com |  
authlessanonymous,  
uid=commauthlessanonymous,ou=People,o=CommunitySample,dc=red,dc=iplanet,dc=com  
| commauthlessanonymous,  
uid=authlessenterprisesample,ou=People,o=EnterpriseSample,dc=red,dc=iplanet,d  
| authlessenterprisesample]  
  
Successfully completed!
```

psadmin set-attribute

Description

The `set-attribute` command sets the attribute value for a specific component and attribute.

Syntax

Long Format

```
set-attribute --adminuser uid --passwordfile password-filename  
[--portal portal-name] --component component-name [--producer  
producer-id] [--registrationhandle handle] --attribute-name  
attribute-name [--dn dn] [--add add-values] [--remove remove-values]  
[--inherit] set_values [--debug] [--output output-filename]
```

Short Format

```
set-attribute -u uid -f password-filename [-p portalName] --component  
component-name [--producer producer-id] [--registrationhandle handle] -a  
attribute-name [-d dn] [-A add-values] [-E remove-values] [--inherit]  
set_values [--debug] [-O output-filename]
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name (dn) or the user identification name (uid).
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--component | -m] component-name`
Specifies the component name. Valid names are: *producer*, *consumer*, *desktop*, *mobilemail*, *mobilecalendar*, *mobileaddressbook*, *gateway*, *netlet*, *proxylet*, *netfile*, and *subscriptions*.
- `[--attribute-name | -a] attribute-name`
Specifies the attribute name. For list of the attribute names for a component, please run the command `psadmin list-attributes --component component-name`.

The following is an operand:

`set_values` A list of values to be set into the attribute. This can be specified as `'"v1" "v2"'`. If the `set_values` operand is used, the `--inherit`, `--add`, and `--remove` options are not allowed. The `set_values` operand is used at the end of the command.

The following options are optional:

- `[--portal | -p] portal-name`
Specifies the portal name. The `--portal` option is required when a portal-centric component attribute is being accessed. The following components are portal-centric and you must provide the `--portal` option for `list`, `get`, and `set` operations while using the following components: *desktop*, *producer*, *consumer*, and *subscriptions*. For all other components, do not use the `-portal` option since they are common to all portals.
- `[--producer] producer-ID`
Specifies the producer id. This is the ID or the name of a producer when the component is *producer* and it is the ID of a configured producer when the component is *consumer*. This option is valid only if the component is *producer* or *consumer*.
- `[--registrationhandle] handle`
Specifies the registration handle of a producer's consumer registration. The attribute of a producer's consumer registration is modified (not the attribute of a producer itself). This option is valid only if the component is *producer*.
- `[--dn | -d]`
Specifies the dn of the node. This must be an organization DN when the component is *consumer*.

`[--inherit]`

Specifies that the value should be inherited from parent. This option can only be used for users. This option does not use any values. If the `--inherit` option is used, the `--add` option, the `--remove` option, and the `set_values` operand are not allowed. The value is inherited from the parent. The `--inherit` option is used only for user attribute.

`[--gateway-profile] gateway-profile-name`

Specifies the gateway profile name. This is used only when the component is *gateway*.

`[--add | -A] add-values`

Specifies a list of values to add like `'"value1" "value2"'`. If the `add` option is specified, the `--inherit` option and the `set_values` operand are not allowed. The `remove` option is allowed, but if it is not specified, the set is added to existing values. If the `removed` option is specified, the result is that some values will be added and some values will be removed. The options can be done in any order, but the operations are such that `remove` done after `add`.

`[--remove | -E] remove-values`

Specifies a list of values to remove like `'"value1" "value2"'`. If the `--remove` option is specified, the `--inherit` option and the `set_values` operand are not allowed. The `--add` option is allowed, but if it is not specified, the set is removed from existing values. If the `--add` option is specified, some values are added and some values are removed. The options can be done in any order, but the operations are such that `remove` done after `add`.

`[--debug]`

Specifies if debug mode is turned on.

`[--output | -O] output-filename`

Specifies if the output mode is used.

Examples

Example for adding attributes:

```
psadmin set-attribute -u amadmin -f password-file --component
desktop -p myPortal --attribute-name AuthorizedAuthlessUserIds
--add '"val1" "val2" "val3"'
```

3 values, `val1`, `val2` and `val3` will be added to the existing list

Example for removing attributes:

```
psadmin set-attribute -u amadmin -f password-file --component
desktop -p myPortal --attribute-name AuthorizedAuthlessUserIds
--remove '"val1" "val2" "val3"'
```

The 3 values, `val1`, `val2` and `val3` will be removed from the existing list.

Example for using the `set_values` operand:

```
psadmin set-attribute -u amadmin -f password-file --component  
desktop -p myPortal --attribute-name AuthorizedAuthlessUserIds  
'"a1" "a2" "a3"'
```

The existing list will be replaced by 3 values, a1, a2 and a3.

Portal Server Secure Remote Access Subcommands

This chapter describes the following commands:

- “psadmin create-sra-instance” on page 181
- “psadmin list-sra-instances” on page 182
- “psadmin delete-sra-instance” on page 183
- “psadmin start-sra-instance” on page 184
- “psadmin stop-sra-instance” on page 185
- “psadmin change-loguser-password” on page 186
- “psadmin sra-watchdog” on page 187
- “psadmin get-attribute” on page 189
- “psadmin list-attributes” on page 189
- “psadmin set-attribute” on page 189

psadmin create-sra-instance

Description

Creates a Gateway, Netlet Proxy or Rewriter Proxy instance.

Syntax

Long Format

```
create-sra-instance --adminuser uid --passwordfile password-filename  
--type instance-type --hostname instance-hostname --sraconfig  
sra-config-filename
```

Short Format

```
create-sra-instance -u uid -f password-filename -t instance-type -h  
instance-hostname -S sra-config-filename
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the administrator's distinguished name (dn) or user ID.
- [--passwordfile | -f] *password-filename*
Specifies the administrator's password in the password file.
- [--type | -t] *instance-type*
Specifies the type of the SRA instance. Enter: gateway, nlproxy, or rwproxy.

The following options are not required:

- [--hostname | -h] *instance-hostname* Specifies the host name where the instance is located.
- [--sraconfig | -S] *sra-config-filename* Specifies the file name of the configuration file.

psadmin list-sra-instances

Description

Lists all instances of Gateway, Netlet Proxy, and Rewriter Proxy.

Syntax

Long Format

```
psadmin list-sra-instances --adminuser uid --passwordfile  
password-filename --type instance-type
```

Short Format

```
psadmin list-sra-instances -u uid -f password-filename -t instance-type
```

Options

The following options are required:

```
[--adminuser | -u] uid
```

Specifies the administrator's distinguished name (dn) or user ID.

```
[--passwordfile | -f] password-filename
```

Specifies the administrator's password in the password file.

```
[--type | -t] instance-type
```

Specifies the type of Secure Remote Access instance. Enter: gateway, nlproxy, or rwproxy.

psadmin delete-sra-instance

Description

Removes a Gateway, Netlet Proxy, or Rewriter Proxy instance.

Syntax

Long Format

```
psadmin delete-sra-instance --adminuser uid --passwordfile  
password-filename --name sra-instance-name --type instance-type --hostname  
instance-hostname
```

Short Format

```
psadmin delete-sra-instance -u uid -f password-filename -N  
sra-instance-name -t instance-type -h instance-hostname
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name (dn) or user ID.
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--type | -t] instance-type`
Specifies the type of the Secure Remote Access instance. Enter: gateway, nlproxy, or rwproxy.
- `[--name | -N] sra-instance-name`
Lists the instance names for Gateway, Netlet Proxy and Rewriter Proxy.

The following options are not required:

- `[--hostname | -h] instance-hostname` Specifies the hostname where the instance is located.

psadmin start-sra-instance

Description

Starts a Gateway, Netlet Proxy, or Rewriter Proxy instance.

Syntax

Long Format

```
psadmin start-sra-instance --adminuser uid --passwordfile  
password-filename --name sra-instance-name --type instance-type --hostname  
instance-hostname
```


Short Format

```
psadmin start-sra-instance -u uid -f password-filename -N sra-instance-name  
-t instance-type -h instance-hostname
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name (dn) or user ID.
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--type | -t] instance-type`
Specifies the type of the SRA instance. Enter: gateway, nlproxy, or rwproxy.
- `[--name | -N] sra-instance-name`
Lists the instance names for Gateway, Netlet Proxy and Rewriter Proxy.

The following options are not required:

- `[--hostname | -h] instance-hostname` Specifies the hostname where the instance is located.

psadmin stop-sra-instance

Description

Stops a Gateway, Netlet Proxy, or Rewriter Proxy instance.

Syntax

Long Format

```
stop-sra-instance --adminuser uid --passwordfile password-filename  
--name sra-instance-name --type instance-type --hostname instance-hostname
```

Short Format

```
stop-sra-instance -u uid -f password-filename -N sra-instance-name -t  
instance-type -h instance-hostname
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the administrator's distinguished name (dn) or user ID.
- [--passwordfile | -f] *password-filename*
Specifies the administrator's password in the password file.
- [--type | -t] *instance-type*
Specifies the type of Secure Remote Access instance. Enter: gateway, nlproxy, or rwproxy.
- [--name | -N] *sra-instance-name*
Lists the instance names for Gateway, Netlet Proxy and Rewriter Proxy.

The following options are not required:

- [--hostname | -h] *instance-hostname* Specifies the hostname where the instance is located.

```
psadmin  
change-loguser-password
```

Description

Changes the Gateway logging user password.

Syntax

Long Format

```
psadmin change-loguser-password --adminuser uid --passwordfile  
password-filename --newpasswordfile new-password-filename --name  
sra-instance-name --hostname instance-hostname
```

Short Format

```
psadmin change-loguser-password -u uid -f password-filename -F  
new-password-filename -N sra-instance-name -h instance-hostname
```

Options

The following options are required:

`[-adminuser | -u] uid`

Specifies the administrator's distinguished name (dn) or user ID.

`[-passwordfile | -f] password-filename`

Specifies the administrator's password in the password file.

`--newpasswordfile | -F] new-password-filename`

Specifies the new name for the password file.

The following options are not required:

`[-hostname | -h] instance-hostname`

Specifies the hostname where the instance is located.

psadmin sra-watchdog

Description

Configures watchdog for the Gateway, Netlet, Netfile, Proxylet, and Accesslist.

Syntax

Long Format

```
psadmin sra-watchdog --adminuser uid --passwordfile password-filename  
--type instance-type [--hostname instance-hostname ]on|off
```

Short Format

```
psadmin sra-watchdog -u uid -f password-filename -t instance-type [-h  
instance-hostname] on|off
```

Options

The following options are required:

`[--adminuser | -u] uid`

Specifies the administrator's distinguished name (dn) or user ID.

`[-passwordfile | -f] password-filename`

Specifies the administrator's password in the password file.

`[--type | -t] instance-type`

Specifies the type of the SRA instance. Enter: gateway, nlproxy, or rwproxy.

The following options are not required:

`[--hostname | -h] instance-hostname`

Specifies the hostname where the instance is located.

The following operand is available:

`on|off` Specifies to switch watchdog on or off for the particular instance.

psadmin get-attribute

Description

Gets an attribute for a Portal Server Secure Remote Access component: Gateway, Netlet, Netfile, Proxylet, or Accesslist. If the component is `gateway`, use the `--gateway-profile gateway-profile-filename` option to specify the name to obtain the value of the attribute.

psadmin list-attributes

Description

Lists all attributes for a Portal Server Secure Remote Access component: Gateway, Netlet, Netfile, Proxylet, or Accesslist. If the component is `gateway`, use the `--gateway-profile gateway-profile-filename` option to specify the name to obtain the value of the attribute.

psadmin set-attribute

Description

Sets an attribute value for a Portal Server Secure Remote Access component: Gateway, Netlet, Netfile, Proxylet, or Accesslist. If the component is `gateway`, use the `--gateway-profile gateway-profile-filename` option to specify the name to obtain the value of the attribute.

Single Sign-On Adapter Sub Commands

This chapter describes the following subcommands:

- “psadmin list-ssoadapters” on page 191
- “psadmin create-ssoadapter-template” on page 193
- “psadmin get-ssoadapter-template” on page 194
- “psadmin delete-ssoadapter-template” on page 195
- “create-ssoadapter-config” on page 196
- “psadmin get-ssoadapter-config” on page 197
- “psadmin delete-ssoadapter-config” on page 198
- “psadmin create-ssoadapter-property” on page 200
- “psadmin get-ssoadapter-property” on page 201
- “psadmin set-ssoadapter-property” on page 203
- “psadmin delete-ssoadapter-property” on page 204
- “psadmin create-ssoadapter-authless” on page 205
- “psadmin get-ssoadapter-authless” on page 206
- “psadmin delete-ssoadapter-authless” on page 207

psadmin list-ssoadapters

Description

Lists all templates and configurations for single sign-on (SSO) adapter

Syntax

Long Format

```
psadmin list-ssoadapters --adminuser uid --passwordfile  
password-filename [--templates] [--configs] [--dn dn]
```

Short Format

```
psadmin list-ssoadapters -u uid -f password-filename [-T] [-S] [-d dn]
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name (dn) or the user ID (uid).
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.

The following options are optional:

- `[--templates | -T] uid` Lists templates only.
- `[--configs | -S] password-filename` Lists configurations only.
- `[--dn | -d] dn` The distinguished name from where the configuration will be picked in LDAP. It is to be used in conjunction with the flag `[--configs | -S]`. If unspecified, it defaults to global.

Example

Example for listing only configurations in a dn:

```
./psadmin list-ssoadapters -u amadmin -f ps_password -S -d  
uid=devauthlessanonymous,ou=People,o=DeveloperSample,dc=india,dc=sun,dc=com
```

psadmin create-ssoadapter-template

Description

Creates a new SSO adapter template

Syntax

Long Format

```
psadmin create-ssoadapter-template --adminuser uid --passwordfile  
password-filename --name template-name [--template existing-template]
```

Short Format

```
psadmin create-ssoadapter-template -u uid -f password-filename -N  
template-name [-M existing-template]
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name (dn) or the user ID (uid).
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--name | -N] template-name`
Specifies the name of the new template.

The following option is optional:

- `[--template | -M] existing-template` Specifies which template provides the pattern for the new template.

Example

Example for creating a template:

```
./psadmin create-ssoadapter-template -u amadmin -f ps-password -N  
test-template
```

psadmin get-ssoadapter-template

Description

Displays the details of the specified SSO adapter template

Syntax

Long Format

```
psadmin get-ssoadapter-template --adminuser uid --passwordfile  
password-filename --template template-name
```

Short Format

```
psadmin get-ssoadapter-template -u uid -f password-filename -M  
template-name
```

Options

The following options are required:

```
[--adminuser | -u] uid
```

Specifies the administrator's distinguished name (dn) or the user ID (uid).

`[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.

`[--template | -M] template-name`
Specifies which SSO adapter template to display.

Example

Example for getting a template:

```
./psadmin get-ssoadapter-template -u amadmin -f ps-password -M  
test-template
```

psadmin delete-ssoadapter-template

Description

Removes the specified SSO adapter template

Syntax

Long Format

```
psadmin delete-ssoadapter-template --adminuser uid --passwordfile  
password-filename --template template-name
```

Short Format

```
psadmin delete-ssoadapter-template -u uid -f password-filename -M  
template-name
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name (dn) or the user ID (uid).
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--template | -M] template-name`
Specifies the name of the template to be removed.

Example

Example for deleting a template:

```
./psadmin delete-ssoadapter-template -u amadmin -f ps-password -M  
test-template
```

create-ssoadapter-config

Description

Creates an SSO adapter configuration

Syntax

Long Format

```
psadmin create-ssoadapter-config --adminuser uid --passwordfile  
password-filename --name configuration-name --template existing-template [--dn  
dn]
```

Short Format

```
psadmin create-ssoadapter-config -u uid -f password-filename -N  
configuration-name -M existing-template [-d dn]
```

Options

The following options are required:

`[--adminuser | -u] uid`
Specifies the administrator's distinguished name (dn) or the user ID (uid).

`[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.

`[--name | -N] configuration-name`
Specifies the name of the new configuration.

`[--template | -M] existing-template`
Specifies which template provides the pattern for the new configuration.

The following option is optional:

`[-dn | -d] dn` The distinguished name where the configuration is created in LDAP. Default is `global`.

Example

Example for creating a configuration in a dn:

```
./psadmin create-ssoadapter-config -u amadmin -f ps-password -N  
test-config -M test-template -d  
uid=test-user,ou=People,o=DeveloperSample,dc=india,dc=sun,dc=com
```

psadmin get-ssoadapter-config

Description

Displays the details of the specified SSO adapter configuration

Syntax

Long Format

```
psadmin create-ssoadapter-config --adminuser uid --passwordfile  
password-filename --config configuration-name [-dn dn]
```

Short Format

```
psadmin create-ssoadapter-config -u uid -f password-filename -G  
configuration-name [-d dn]
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the administrator's distinguished name (dn) or the user ID (uid).
- [--passwordfile | -f] *password-filename*
Specifies the administrator's password in the password file.
- [--config | -G] *configuration-name*
Specifies which SSO adapter configuration to display.

The following option is optional:

- [--dn | -d] *dn* The distinguished name where the configuration is created in LDAP. Default is `global`.

Example

Example for getting a configuration's details in a dn:

```
./psadmin get-ssoadapter-config -u amadmin -f ps-password -G  
test-config -d  
uid=test-user,ou=People,o=DeveloperSample,dc=india,dc=sun,dc=com
```

psadmin delete-ssoadapter-config

Description

Removes the specified SSO adapter configuration

Syntax

Long Format

```
psadmin delete-ssoadapter-config --adminuser uid --passwordfile  
password-filename --config configuration-name [-dn dn]
```

Short Format

```
psadmin delete-ssoadapter-config -u uid -f password-filename -G  
configuration-name [-d dn]
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name (dn) or the user ID (uid).
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--config | -G] configuration-name`
Specifies which SSO adapter configuration to remove.

The following option is optional:

- `[--dn | -d] dn` The distinguished name where the configuration is created in LDAP. Default is `global`.

Example

Example for deleting a configuration in a dn:

```
./psadmin delete-ssoadapter-config -u amadmin -f ps-password -G  
test-config -d  
uid=test-user,ou=People,o=DeveloperSample,dc=india,dc=sun,dc=com
```

psadmin create-ssoadapter-property

Description

Creates an SSO adapter property of either the admin or user type.

Syntax

Long Format

```
psadmin create-ssoadapter-property --adminuser uid --passwordfile  
password-filename --template template-name --type [admin | user] --name  
property-name [--value property-value] [--encrypt]
```

Short Format

```
psadmin create-ssoadapter-property -u uid -f password-filename -M  
template-name -t [admin | user] -N property-name [-e property-value] [-Y]
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the administrator's distinguished name (dn) or the user ID (uid).
- [--passwordfile | -f] *password-filename*
Specifies the administrator's password in the password file.
- [--template | -M] *template-name*
Specifies which SSO adapter template the new property is assigned to.
- [--type | -t] [*admin* | *user*]
Specifies the type of the new property.

`[-name | -N] property-name`
Specifies the name of the new property.

The following options are optional:

`[-value | -e] property-value` Specifies the value of the property. This option is used only while creating an admin type property

`[-encrypt | -Y]` Specifies whether the property value will be stored in encrypt form.

Example

Example for creating a property in a template:

```
./psadmin create-ssoadapter-property -u amadmin -f ps-password -M  
test-template -N test-property -e test-value -t admin
```

psadmin get-ssoadapter-property

Description

Displays information about the specified SSO adapter property

Syntax

Long Format

```
psadmin get-ssoadapter-property --adminuser uid --passwordfile  
password-filename [--template template-name | --config configuration-name]  
[-dn dn] -name property-name
```

Short Format

```
psadmin get-ssoadapter-property -u uid --f password-filename [-M  
template-name | -G configuration-name] [-d dn] -N property-name
```

Options

The following options are required:

`[--adminuser | -u] uid`

Specifies the administrator's distinguished name (dn) or the user ID (uid).

`[--passwordfile | -f] password-filename`

Specifies the administrator's password in the password file.

`[--template | -M] | [--config | -G] template-name | configuration-name`

Specifies the name of the template, if the property type is admin. Specifies the name of the configuration if the property type is user.

`[-name | -N] property-name`

Specifies which admin property to display.

The following option is optional:

`[--dn | -d] dn` Specifies the distinguished name where the configuration is picked from LDAP. Used in conjunction with `[--config | -G]`. Default is `global`.

Example

Example for getting a property of configuration in a dn:

```
./psadmin get-ssoadapter-property -u amadmin -f ps-password -G  
test-config -N test-property -d  
uid=test-user,ou=People,o=DeveloperSample,dc=india,dc=sun,dc=com
```

psadmin set-ssoadapter-property

Description

Defines the value and type of the specified SSO adapter property

Syntax

Long Format

```
psadmin set-ssoadapter-property --adminuser uid --passwordfile  
password-filename [--template template-name | --config configuration-name]  
[-dn dn] --name property-name [--type [-admin | -user]] [--value  
property-value] [--encrypt | --decrypt]
```

Short Format

```
psadmin set-ssoadapter-property -u uid -f password-filename [-M  
template-name | -G configuration-name] [-d dn] -N property-name [-t [-admin |  
-user]] [-e property-value] [-Y | -D]
```

Options

The following options are required:

`--adminuser | -u` *uid*

Specifies the administrator's distinguished name (dn) or the user ID (uid).

`--passwordfile | -f` *password-filename*

Specifies the administrator's password in the password file.

`--template | -M` | `--config | -G` *template-name* | *configuration-name*

Specifies the name of the template, if the property type is admin. Specifies the name of the configuration if the property type is user.

`[--name | -N] property-name`
Specifies the property's name.

The following options are optional:

`[--type | -t [admin | user]` Changes the property's type to new setting.

`[--value | -e] property-value` Specifies the property's value.

`[-dn | -d] dn` Specifies the distinguished name where the configuration is picked from LDAP. Used in conjunction with `[--config | -G]`. Default is `global`.

`[--encrypt | -Y] | [--decrypt | -D]`
Specifies whether to store the property value in encrypted or clear text form.

Example

Example for setting a property of a configuration in a dn:

```
./psadmin set-ssoadapter-property -u amadmin -f ps-password -G  
test-config -N test-property -e test-value -d  
uid=test-user,ou=People,o=DeveloperSample,dc=india,dc=sun,dc=com
```

psadmin delete-ssoadapter-property

Description

Deletes the specified SSO adapter property

Syntax

Long Format

```
psadmin delete-ssoadapter-property --adminuser uid --passwordfile  
password-filename --template template-name --name property-name
```

Short Format

```
psadmin delete-ssoadapter-property -u uid -f password-filename -M  
template-name -N property-name
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name (dn) or the user ID (uid).
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--template | -M] template-name`
Specifies which SSO adapter template the property is assigned to.
- `[--name | -N] property-name`
Specifies the name of the property to delete.

Example

Example for deleting property from a template:

```
./psadmin delete-ssoadapter-property -u amadmin -f ps-password -M  
test-template -N test-property
```

psadmin create-ssoadapter-authless

Description

Creates a single user distinguished name (dn) for accessing the Portal Server without authentication and adds it to the support list

Syntax

Long Format

```
psadmin create-ssoadapter-authless --adminuser uid --passwordfile  
password-filename --value authless-user-dn
```

Short Format

```
psadmin create-ssoadapter-authless -u uid -f password-filename -e  
authless-user-dn
```

Options

The following options are required:

[--adminuser | -u] *uid*

Specifies the administrator's distinguished name (dn) or the user ID (uid).

[--passwordfile | -f] *password-filename*

Specifies the administrator's password in the password file.

[--value | -e] *authless-user-dn*

Specifies the name of the single user DN for enabling access to the SSO adapter service without authentication.

Example

Example for creating an authless dn:

```
./psadmin create-ssoadapter-authless -u amadmin -f ps-password -e  
test-dn
```

```
psadmin  
get-ssoadapter-authless
```

Description

Gets the specified single user distinguished name (dn) from the support list for accessing the Portal Server without authentication

Syntax

Long Format

```
get-ssoadapter-authless --adminuser uid --passwordfile  
password-filename
```

Short Format

```
get-ssoadapter-authless -u uid -f password-filename
```

Options

The following options are required:

`[--adminuser | -u] uid`
Specifies the administrator's distinguished name (dn) or the user ID (uid).

`[-passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.

Example

Example for getting all the authless dn:

```
./psadmin get-ssoadapter-authless -u amadmin -f ps-password
```

```
psadmin  
delete-ssoadapter-authless
```

Description

Removes the specified single user distinguished name (dn) from the support list for accessing the Portal Server without authentication

Syntax

Long Format

```
psadmin delete-ssoadapter-authless --adminuser uid --passwordfile  
password-filename --value authless-user-dn
```

Short Format

```
psadmin delete-ssoadapter-authless -u uid -f password-filename -e  
authless-user-dn
```

Options

The following options are required:

`[--adminuser | -u] uid`

Specifies the administrator's distinguished name (dn) or the user ID (uid).

`[-passwordfile | -f] password-filename`

Specifies the administrator's password in the password file.

`[--value | -e] authless-user-dn`

Specifies which single user DN for enabling access to the SSO adapter service without authentication to remove.

Example

Example for deleting an authless dn:

```
./psadmin delete-ssoadapter-authless -u amadmin -f ps-password -e  
test-dn
```


User-Behavior Tracking Subcommands

This chapter describes the following commands:

- “psadmin list-ubt-report” on page 209
- “psadmin generate-ubt-report” on page 210

psadmin list-ubt-report

Description

Lists all the reports that are available to be generated.

Syntax

Long Format

```
list-ubt-report
```

Short Format

```
list-ubt-report
```

Options

This sub-command has no options.

psadmin generate-ubt-report

Description

Generates the selected report.

Syntax

Long Format

```
generate-ubt-report --adminuser uid --passwordfile  
password-filename  
--portal portal-ID --destinationfolder  
folder-name  
[--reportname report-name] [--format format  
]
```

Short Format

```
generate-ubt-report -u uid -f  
password-filename  
[-reportname report-name]  
-p portal-ID --destinationfolder  
folder-name [--format format]
```

Options

The following options are required:

[--adminuser | -u] *uid*

Specifies the administrator's distinguished name.

[--passwordfile | -f] *password-filename*

Specifies the administrator's password in the password file.

[--portal | -p] *portal-ID*

Specifies the portal ID.

[--destinationfolder] *folder-name*

Specifies the name of the destination folder into which report is generated and stored.

`[--format]format`

Specifies the format of the report, such as PDF, HTML, XML. If not provided, the report is stored in PDF format.

WSRP Producer Subcommands

This supplement contains the following:

- “psadmin create-producer” on page 213
- “psadmin delete-producer” on page 214
- “psadmin list-producers” on page 215
- “psadmin list-attributes” on page 216
- “psadmin get-attribute” on page 217
- “psadmin set-attribute” on page 219
- “psadmin list-consumer-registrations” on page 220
- “psadmin create-consumer-registration” on page 221
- “psadmin delete-consumer-registration” on page 222
- “psadmin publish-registry” on page 223

psadmin create-producer

Description

Create a Producer in a portal.

Syntax

Long Format

```
psadmin create-producer --portal portal-ID --adminuser uid  
--passwordfile password-filename --dn orgnaization-DN --producer  
producer-name
```

Short Format

```
psadmin create-producer -p portal-ID -u uid -f password-filename -d  
orgnaization-DN -N producer-name
```

Options

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name.
- `[--dn | -d] organization-DN`
Specifies the distinguished name for the organization where the Producer is to be created.
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--portal | -p] portal-ID`
Specifies the portal ID.
- `[--producer | -N] producer-name`
Specifies the name of the Producer to be created.

psadmin delete-producer

Description

Delete a Producer in a portal.

Syntax

Long Format

```
psadmin delete-producer --adminuser uid --passwordfile  
password-filename --portal portal-ID --producer producer-name
```

Short Format

```
psadmin delete-producer -u uid -f password-filename -p portal-ID -N  
producer-name
```

Options

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name.
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--portal | -p] portal-ID`
Specifies the portal ID.
- `[--producer | -N] producer-name`
Specifies the name of the Producer to be deleted.

psadmin list-producers

Description

List all Producers for a portal.

Syntax

Long Format

```
psadmin list-producers --adminuser uid --passwordfile  
password-filename [--dn organization-DN] --portal portal-ID [--output  
output-filename]
```

Short Format

```
psadmin list-producers -u uid -f password-filename [-d organization-DN] -p  
portal-ID [-o output-filename]
```

Options

The following options are required:

`[--adminuser | -u] uid`
Specifies the administrator's distinguished name.

`[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.

`[--portal | -p] portal-ID`
Specifies the portal ID.

The following options are optional:

`[--dn | -d] organization-DN` Specifies the distinguished name for the organization from where the producers are to be listed. If none is specified, all the producers that belong to the portal are listed.

`[--output | -o] output-filename` Specifies the file to output the result of the command.

psadmin list-attributes

Description

List the attributes for a Producer.

Syntax

Long Format

```
psadmin list-attributes --component producer --adminuser uid
--passwordfile password-filename --portal portal-ID
[--consumerregistration] [--output output-filename]
```

Short Format

```
psadmin list-attributes -m producer -u uid -f password-filename -p
portal-ID [-S] [-o output-filename]
```


Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name.
- `[--component | -m] producer`
Specifies the name of the component. The value should be `producer`.
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--portal | -p] portal-ID`
Specifies the portal ID.

The following options are optional:

- `[--consumerregistration | -S]` Specifies that this is for a consumer registration.
- `[--output | -o] output-filename` Specifies the file to output the result of the command.

psadmin get-attribute

Description

Display the value of an attribute for a Producer.

Syntax

Long Format

```
psadmin get-attribute --component producer --portal portal-ID  
--attribute-name attribute-name --adminuser uid --passwordfile  
password-filename [--producer producer-name] [--registrationhandle handle]
```

Short Format

```
psadmin get-attribute -m producer -p portal-ID -a attribute-name -u uid  
-f password-filename [-N producer-name] [-H handle]
```

Options

The following options are required:

[--attribute-name | -a] *attribute-name*
Specifies the name of the Producer attribute for which the value is to be retrieved.

Attributes can be:

- AllDisabled (true or false, global attribute)
- Enabled (true or false)
- WSDL_URL (read-only)
- RegistrationRequired (true or false)
- InBandRegistrationSupported (true or false)
- RegistrationValidatorClassName
- PublishedPortlets
- UnpublishedPortlets (read-only)
- RegistrationPropertyDescription

Attributes for Consumer Registrations can be:

- Enabled (true or false)
- ConsumerName
- ConsumerAgent
- MethodGetSupported
- ConsumerModes
- ConsumerWindowStates
- ConsumerUserScopes
- CustomUserProfileData
- RegistrationProperties

[--adminuser | -u] *uid*
Specifies the administrator's distinguished name.

[--component | -m] *producer*
Specifies the name of the component. The value should be producer.

[--passwordfile | -f] *password-filename*
Specifies the administrator's password in the password file.

[--portalid | -p] *portal-ID*
Specifies the portal ID.

The following options are optional:

`[--producer | -N] producer-name`
Specifies the name of the Producer being targeted.

`[--registrationhandle | -H] handle`
Specifies the registration handle.

psadmin set-attribute

Description

Set the value of an attribute for a Producer.

Syntax

Long Format

```
psadmin set-attribute --component producer --portal portal-ID
--attribute-name attribute-name --adminuser uid --passwordfile
password-filename [--producer producer-name] [--registrationhandle handle]
[--add] [--remove] values
```

Short Format

```
psadmin set-attribute -m producer -p portal-ID -a attribute-name -u uid
-f password-filename [-N producer-name] [-H handle] [-A] [-E] values
```

Options

`[--component | -m] producer`
Specifies the name of the component. The value should be producer.

`[--portalid | -p] portal-ID`
Specifies the portal ID.

`[--attribute-name | -a] attribute-name`
Specifies the name of the Producer attribute for which the value is to be retrieved.

Attributes can be:

- AllDisabled (true or false, global attribute)
- Enabled (true or false)
- WSDL_URL (read-only)
- RegistrationRequired (true or false)
- InBandRegistrationSupported (true or false)
- RegistrationValidatorClassName
- PublishedPortlets
- UnpublishedPortlets (read-only)
- RegistrationPropertyDescription

Attributes for Consumer Registrations can be:

- Enabled (true or false)
- ConsumerName
- ConsumerAgent
- MethodGetSupported
- ConsumerModes
- ConsumerWindowStates
- ConsumerUserScopes
- CustomUserProfileData
- RegistrationProperties

`[--adminuser | -u] uid`

Specifies the administrator's distinguished name.

`[--passwordfile | -f] password-filename`

Specifies the administrator's password in the password file.

The following options are optional:

`[--add | -A] [--remove | -E] values`

Specifies values to add or remove.

`[--producer | -N] producer-name`

Specifies the name of the Producer being targeted.

`[--registrationhandle | -H] handle`

Specifies the registration handle.

psadmin

list-consumer-registrations

Description

List the Consumers that are currently registered with a Producer.

Syntax

Long Format

```
psadmin list-consumer-registrations --portal portal-ID --producer  
producer-name --adminuser uid --passwordfile password-filename [--output  
output-filename]
```

Short Format

```
psadmin list-consumer-registrations -p portal-ID -N producer-name -u  
uid -f password-filename [-o output-filename]
```

Options

The following options are required:

`[-producer | -N] producer-name`
Specifies the name of the Producer being targeted.

`[-adminuser | -u] uid`
Specifies the administrator's distinguished name.

`[-passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.

`[-portal | -p] portal-ID`
Specifies the portal ID.

The following option is optional:

`[-output | -o] output-filename` Specifies the file to output the result of the command.

psadmin create-consumer-registration

Description

Create a new Consumer registration at a Producer.

Syntax

Long Format

```
psadmin create-consumer-registration --portal portal-ID --producer  
producer-name --registrationdatafile file --adminuser uid  
--passwordfile password-filename
```

Short Format

```
psadmin create-consumer-registration -p portal-ID -N producer-name -x  
file -u uid -f password-filename
```

Options

The following options are required

- [--adminuser | -u] *uid*
Specifies the administrator's distinguished name.
- [--passwordfile | -f] *password-filename*
Specifies the administrator's password in the password file.
- [--portal | -p] *portal-ID*
Specifies the portal ID.
- [--producer | -N] *producer-name*
Specifies the name of the Producer being targeted.
- [--registrationdatafile | -x] *file*
Specifies the properties file that lists the options to set on the new consumer registration.

```
psadmin  
delete-consumer-registration
```

Description

Delete a Consumer registration from a Producer.

Syntax

Long Format

```
psadmin delete-consumer-registration --producer producer-name  
--adminuser uid --passwordfile password-filename --portal portal-ID  
--registrationhandle handle
```

Short Format

```
psadmin delete-consumer-registration -N producer-name -u uid -f  
password-filename -p portal-ID -H handle
```

Options

The following options are required

- `[--producer | -N] producer-name`
Specifies the name of the Producer being targeted.
- `[--registrationhandle | -H] handle`
Specifies the registration handle that is to be deleted.
- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name.
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--portal | -p] portal-ID`
Specifies the portal ID.

psadmin publish-registry

Description

Publish Producer and Remote Portlet artifacts to the ebXML registry.

Syntax

Long Format

```
psadmin publish-registry --component producer --adminuser uid  
--passwordfile password-filename --portal portal-ID --producerdatafile  
file [--portlets portlets] [--allportlets] [--orgdatafile org-data-file]
```

Short Format

```
psadmin publish-registry -m producer -u uid -f password-filename -p  
portal-ID -U file [-T portlets] [-L] [-O org-data-file]
```

Options

The following options are required:

`[--adminuser | -u] uid`

Specifies the administrator's distinguished name.

`[--component | -m] producer`

Specifies the name of the component. The value should be `producer`.

`[--passwordfile | -f] password-filename`

Specifies the administrator's password in the password file.

`[--portalid | -p] portal-ID`

Specifies the portal ID; if this is not supplied, the default is used.

`[--producerdatafile | -U] file`

Contains the following attributes:

`producer.name=PSAdmin Producer`

Name of the Producer to be published to the registry.

`producer.description=PSAdmin Producer from Portal Server`

Description of the Producer

`producer.id=psadminCLI`

Producer ID as it exists in the LDAP

The following options are optional:

`[--allportlets | -L]`

Publishes all the portlets that are offered by the Producers specified in the `producer.id` attribute. This also ignores the `--portlets` options.

`[--orgdatafile | -O] org-data-file`

Organization to be published. The `orgdata` is the file specifying the details of the organization such as:

- `org.name=PSAdmin Organization`
- `org.description=Organization that offers Sun Portal WSRP Services`
- `org.primarycontact.name=anyuser`
- `org.primarycontact.phoneno=2298989`
- `org.primarycontact.email=anyuser@anydomain.`
- `org.key=urn:cli:organization:cli`

Note – The `org.key` is a special attribute. If this is specified, all other attributes are ignored and the system searches for an organization that is already published in the registry with a key as specified in the value of this attribute.

`[--portlets | -T] portlets`

List of portlets to be published. The list is specified within double-quotes space separated items. For example, `NotepadPortlet BookmarkPortlet WeatherPortlet`.

WSRP Consumer Subcommands

This supplement contains the following:

- “psadmin list-attributes” on page 227
- “psadmin get-attribute” on page 228
- “psadmin set-attribute” on page 230
- “psadmin list-configured-producers” on page 231
- “psadmin create-configured-producer” on page 233
- “psadmin delete-configured-producer” on page 234
- “psadmin update-configured-producer-service-description” on page 235
- “psadmin search-registry” on page 236

psadmin list-attributes

Description

List the attributes for a Consumer.

Syntax

Long Format

```
psadmin list-attributes --adminuser uid --passwordfile  
password-filename --component consumer --portal portal-ID  
[--configuredproducer]
```

Short Format

```
psadmin list-attributes -u uid -f password-filename -m consumer -p  
portal-ID [-R]
```

Options

The following options are required:

- [--component | -m] *consumer*
Specifies the name of the component. The value should be consumer.
- [--portal | -p] *portal-ID*
Specifies the portal ID.
- [--adminuser | -u] *uid*
Specifies the administrator's distinguished name.
- [--passwordfile | -f] *password-filename*
Specifies the administrator's password in the password file.

The following option is optional:

- [--configuredproducer | -R] Specifies that this is for a configured producer.

psadmin get-attribute

Description

Display the value of an attribute for a Consumer.

Syntax

Long Format

```
psadmin get-attribute --component consumer --portal portal-ID  
--attribute-name attribute-name --adminuser uid --passwordfile  
password-filename [--dn organization-DN] [--producer producer-id ]
```

Short Format

```
psadmin get-attribute -m consumer -p portal-ID -a attribute-name -u uid  
-f password-filename [-d organization-DN] [-l producer-id]
```

Options

The following options are required:

- `[--component | -m] consumer`
Specifies the name of the component. Value should be `consumer`.
- `[--attribute-name | -a] attribute-name`
Specifies the name of the Consumer attribute for which the value is to be retrieved.

Attributes for the Consumer can be:

- AllDisabled ("true" or "false", global attribute)
- UserProfileMapping
- Name

Attributes for the Configured Producers can be:

- Name
- Enabled ("true" or "false")
- WSDL_URL
- UserCategoryMapping
- RegistrationProperties

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name.
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--portal | -p] portal-ID`
Specifies the portal ID.

The following options are optional:

- `[--dn | -d] organization-DN` Specifies the distinguished name for the organization from where the attributes are to be listed.
- `[--producer | -l] producer-id` Specifies the ID of the configured producer to fetch the attribute for.

psadmin set-attribute

Description

Set the value of an attribute for a Consumer.

Syntax

Long Format

```
psadmin set-attribute --component consumer --portal portal-ID
--attribute-name attribute-name --adminuser uid --passwordfile
password-filename [--dn organization-DN] [--producer producer-id ] [--add]
[--remove] values
```

Short Format

```
psadmin set-attribute -m consumer -p portal-ID -a attribute-name -u uid
-f password-filename [-d organization-DN] [-l producer-id] [-A] [-E] values
```

Options

The following options are required:

`[--component | -m] consumer`

Specifies the name of the component. Value should be `consumer`.

`[--attribute-name | -a] attribute-name`

Specifies the name of the Consumer attribute for which the value is to be retrieved.

Attributes for the Consumer can be:

- AllDisabled ("true" or "false", global attribute)
- UserProfileMapping
- Name

Attributes for the Configured Producers can be:

- Name
 - Enabled ("true" or "false")
 - WSDL_URL
 - UserCategoryMapping
 - RegistrationProperties
- [--adminuser | -u] *uid*
Specifies the administrator's distinguished name.
- [--passwordfile | -f] *password-filename*
Specifies the administrator's password in the password file.
- [--portal | -p] *portal-ID*
Specifies the portal ID.

The following options are optional:

- | | |
|--|---|
| [--dn -d] <i>organization-DN</i> | Specifies the distinguished name for the organization from where the attributes are to be listed. |
| [--producer -l] <i>producer-id</i> | Specifies the ID of the configured producer to fetch the attribute for. |
| [--add -A] [--remove -E] <i>values</i> | Specifies the values to be added or removed. |

psadmin list-configured-producers

Description

List the configured Producers at a Consumer.

Syntax

Long Format

```
psadmin list-configured-producers --portal portal-ID --dn  
organization-DN --adminuser uid --passwordfile password-filename  
[--output output-filename]
```

Short Format

```
psadmin list-configured-producers -p portal-ID -d organization-DN -u uid  
-f password-filename [-o output-filename]
```

Options

The following options are required:

[--adminuser | -u] *uid*

Specifies the administrator's distinguished name.

[--passwordfile | -f] *password-filename*

Specifies the administrator's password in the password file.

[--dn | -d] *organization-DN*

Specifies the distinguished name for the organization from where the attributes are to be listed.

[--portal | -p] *portal-ID*

Specifies the portal ID.

The following option is optional:

[--output | -o] *output-filename*

Specifies the file to output the result of the command.

psadmin create-configured-producer

Description

Create a new configured Producer at a Consumer.

Syntax

Long Format

```
psadmin create-configured-producer --portal portal-ID --adminuser  
uid --passwordfile password-filename --dn organization-DN --producer  
producer-name --url producer-URL [--registrationdata file |  
--registrationhandle handle]
```

Short Format

```
psadmin create-configured-producer -p portal-ID -u uid -f  
password-filename -d organization-DN -N producer-name -Z producer-URL [-x file |  
-H handle]
```

Options

The following options are required:

- `[-producer | -N] producer-name`
Specifies the name to assign to the Producer being created.
- `[-url | -Z] producer-URL`
Specifies the URL of the Producer to be configured.
- `[-adminuser | -u] uid`
Specifies the administrator's distinguished name.

- [--passwordfile | -f] *password-filename*
Specifies the administrator's password in the password file.
- [--dn | -d] *organization-DN*
Specifies the distinguished name for the organization from where the attributes are to be listed.
- [--portal | -p] *portal-ID*
Specifies the portal ID.
- The following options are optional:
- [--registrationdata | -x] *filename* Specifies the properties filename that will contain the registration properties for the producer being configured.
- [--registrationhandle | -H] *handle* Specifies the registration handle of the Producer being configured.

psadmin delete-configured-producer

Description

Delete a configured Producer at a Consumer.

Syntax

Long Format

```
psadmin delete-configured-producer --adminuser uid --passwordfile  
password-filename --dn organization-DN --portal portal-ID --producer  
producer-id
```

Short Format

```
psadmin delete-configured-producer -u uid -f password-filename -d  
organization-DN -p portal-ID -l producer-id
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name.
- `[--dn | -d] organization-DN`
Specifies the distinguished name for the organization from where the attributes are to be listed.
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--portal | -p] portal-ID`
Specifies the portal ID.
- `[--producer | -l] producer-id`
Specifies the ID of the configured producers that are to be deleted.

psadmin update-configured-producer-service-de

Description

Update the service description for a configured Producer in a Consumer.

Syntax

Long Format

```
psadmin update-configured-producer-service-description  
--adminuser uid --passwordfile password-filename --dn organization-DN  
--portal portal-ID --producer producer-id
```

Short Format

```
psadmin update-configured-producer-service-description -u uid -f  
password-filename -d organization-DN -p portal-ID -l producer-id
```

Options

The following options are required:

- [--adminuser | -u] *uid*
Specifies the administrator's distinguished name.
- [--dn | -d] *organization-DN*
Specifies the distinguished name for the organization from where the attributes are to be listed.
- [--passwordfile | -f] *password-filename*
Specifies the administrator's password in the password file.
- [--portal | -p] *portal-ID*
Specifies the portal ID.
- [--producer | -l] *producer-id*
Specifies the ID of the configured Producer to update the Service Description for.

psadmin search-registry

Description

Searches for WSRP artifacts in the ebXML repository. For generic search, use wildcard; for example:

```
**organization.name =%  
organization.description=%
```

This retrieves all the records from Registry Server. Otherwise, exact name should be given to get particular data.

Syntax

Long Format

```
psadmin search-registry --component consumer --adminuser uid
--passwordfile password-filename --portal portal-ID
[--searchproducerdatafile file | --searchportletdatafile file |
--searchorgdatafile file]
```

Short Format

```
psadmin search-registry -m consumer -u uid -f password-filename -p
portal-ID [-C file | -D file | -L file]
```

Options

The following options are required:

- `[--adminuser | -u] uid`
Specifies the administrator's distinguished name.
- `[--component | -m] consumer`
Specifies the name of the component. Value should be `consumer`.
- `[--passwordfile | -f] password-filename`
Specifies the administrator's password in the password file.
- `[--portal | -p] portalid`
Specifies the portal ID.

The following options are optional:

- `[--searchorgdatafile | -L] file`
Specifies the name of the file that contains the attributes to be searched for while searching for Organization that offers WSRP service. Contents of the file include:
 - `organization.name =acme`
 - `organization.description=news` - Wildcard search
- `[--searchportletsdatafile | -D] file`
Specifies the name of the file that contains the attributes to be searched for while searching for WSRP Portlets. Contents of the file include:
 - `portlet.name =ACME Portlet`
 - `portlet.description=news *` - Wildcard search
- `[--searchproducerdatafile | -C] file`
Specifies the name of the file that contains the attributes to be searched for while searching for WSRP Producer. Contents of the file include:

- `producer.name =ACME Producer` - Wildcard search
- `producer.description=stocks*` - Wildcard search

PAR File Format

This chapter contains the following:

- “Overview” on page 239
- “PAR Format” on page 240
- “Files” on page 242

Overview

This document describes the PAR file format, and the PAR directory structure for Portal Server. The PAR file format is the file structure that is used by the `psadmin import/export` command to store portal data. The PAR directory structure is the directory structure from where a PAR file can be generated using the `psadmin create-par` command. The PAR directory structure describes the file system directories that is similar to the PAR file format with additional mapping properties file.

There are two ways to generate a PAR file:

- Extract portal data from a system running Portal using the `psadmin export` command
- Extract portal data from a file system directory structure using the `psadmin create-par` command

PAR Format

This section contains the following:

- “PAR File Format” on page 240
- “PAR Directory Structure” on page 241

PAR File Format

The following table describes the PAR file format.

File/Directory under PAR Directory	Sub Directory	Description
META-INF	/MANIFEST.MF	The <code>manifest.mf</code> file describes what is contained in the exported file.
/dp	<i>/name.properties</i>	Contains component service attribute values.
	<i>/name.xml</i>	Contains display profile document.
/pbfiles	<i>/providerClassBaseDir</i>	Contains customized desktop provider classes.
	<i>/templateBaseDir</i>	Contains desktop JSPs and templates.
	<i>/templateBaseDir/classes</i>	Contains desktop provider resource bundle files.
/static	<i>/communityTemplateBaseDir</i>	Contains community templates and properties files.
		Static files to be deployed as part of the portal war. This maps to (by default in UNIX platform) <i>/var/opt/SUNWps/portals/portal-ID</i> directory.
/war		War files to be deployed. This maps to (by default in UNIX platform) <i>/var/opt/SUNWps/portals/portal-ID/war</i> directory.

File/Directory under PAR Directory	Sub Directory	Description
.jar		JAR files associated with providers.
<i>Java-class-files</i>		Class files associated with providers.

PAR Directory Structure

The following table describes the PAR directory structure.

Directory under PAR Directory	Files and Sub Directories	Description
/dt	DPMapping.properties	Mapping file properties contains name -> dn mapping
	/name.properties	The name should be defined in the DPMapping.properties file.
	/name.xml	There could be multiple files start with the same name, appended by -XXX.xml, files start with same name will be merged into one XML file. The name must be defined in the DPMapping.properties file (with exception of the name global). For example, global-1.xml and global-2.xml will be merged into global.xml, and global should be defined in the DPMapping.properties file.

Directory under PAR Directory	Files and Sub Directories	Description
/pbfiles	/providerClassBaseDir	This directory structure maps to (by default on UNIX platform) /var/opt/SUNWps/portals/ <i>portal-ID</i> /desktop/class Under this directory, you can have customized provider classes in packaged subdirectories.
	/templateBaseDir	This directory structure maps to (by default on UNIX platform) /var/opt/SUNWps/portals/ <i>portal-ID</i> /desktop. Under this directory, you can have anonymous/, default/, sampleportal/ etc.
	/communityTemplateBaseDir	This directory structure maps to (by default on UNIX platform) /var/opt/SUNWps/portals/ <i>portal-ID</i> /communitytem directory.
/static	/web-src	Can contain any customized files in open WAR. The files in this directory will be included in the par/static directory, and will be imported into <i>portal-data-dir</i> /web-src directory.
/war		Contains war files, note that is the portal war file is will not be added in the par file

Files

This section contains the following:

- “DPMapping.properties File” on page 243
- “Files in /dp Directory” on page 244
- “Manifest File” on page 244

DPMapping.properties File

The following describes properties in the `DPMapping.properties` file:

`dpnode` The display profile root dn. The value of `dpnode` can be a dn, or `defaultOrganization`. If `dpnode` is not defined, the default organization dn will be assumed.

`name` The dn relative to the `dpnode`, then `dpnode`. For example, `"o=org1,dpnode"`.

EXAMPLE 19-1 This example shows how the `DPMapping.properties` file is used. For example, under the `/dp` directory, there are the following files:

```
dp/
    global-base.xml, global-desktop.xml, global-map.xml, ...
    node1.xml, node1-default.xml, ...
    node2-default.xml, node2-eng.xml
    node3.properties
    DPMapping.properties
```

In `DPMapping.properties` file, it has:

```
dpnode=dc=red,dc=iplanet,dc=com
node1=dpnode
node2=cn=eng,dpnode
node3=cn=sales,dpnode
```

The `psadmin create-par` command will combine the display profile snippets for all files with the same name before the `-` into one display profile. In the above example, the end PAR file has:

```
dp/
    global.xml
    node1.xml
    node2.xml
    node3.properties
```

The dn mapping will be stored in the PAR manifest file like this:

```
META-INF
MANIFEST.MF:
Manifest-Version: V1.0
...

PS-DP-DOCS:global.xml,node1.xml,node2.xml
PS-Attributes-Properties:node3.properties
PS-AutoExtract: dpnode=dc%3Dred%2Cdc%3Diplanet%2Cdc%3Dcom,entry=global,
node1=dpnode,node2=cn%3Deng%2Cdpnode,node3=cn%3Dsales%2Cdpnode
```

Files in /dp Directory

XML Files

The DP XML files must contain the full display profile format based on the `psdp.dtd`. For example:

```
<!DOCTYPE DisplayProfile SYSTEM "jar://resources/psdp.dtd">
<DisplayProfile version="1.0"...>
  <Properties>...</Properties>
  <Channels>...</Channels>
  <Providers>...</Providers>
</DisplayProfile>
```

Properties Files

The properties files contains name/value pairs for the service attributes. The following is a description of the properties file format:

Property Name	Property Value
The component service attribute name. The service attribute names can be obtained by using the <code>psadmin list-attributes</code> command. For example, for desktop service attribute names, use the following command: <code>psadmin list-attributes -u adminuser -f passwordfile -p portal-ID -component=desktop</code>	The service attribute value. The values are separated by the delimiter <code>@@@!!!</code> . A single value will end with the delimiter. For example: <code>EditChannel=JSPEditContainer@@@!!!</code>

Manifest File

The `manifest.mf` file describes what is contained in the PAR file and how the files are structured, as well as the export file version information.

The manifest file for the `.par` file contains the `main` and `entries` section, following the JAR manifest convention. The `main` section contains headers which describe the backup file version number and the top level archive directories. The following headers are included:

<code>Manifest-Version</code>	The manifest version number
<code>PS-Version</code>	The portal server version number
<code>PS-Backup-Version</code>	The backup file version number, the version number is an unique identification number.

	The backup version number contains information about the portal domain, portal name, the backup file data type, and the backup version number. The data type can be the following: <code>desktop</code> , <code>provider+channel</code> .
<code>PS-Backup-Timestamp</code>	A timestamp on when the backup file is created.
<code>PS-DefaultEntry</code>	This is only used by the PAR utility.
<code>PS-PBFileRoot</code>	The root directory in the archive for the property based files. For now, this is the root of the templates and properties file directories.
<code>PS-DPRoot</code>	The root directory in the archive for the display profile documents.
<code>PS-StaticRoot</code>	The root for static content in the archive.
<code>PS-ClassRoot</code>	The root for the Java classes in the archive. If unspecified, the corresponding files are rooted at the top of the archive.
<code>PS-WARRoot</code>	The root for the WAR files in the archive.

The entries section defines named entries which declare details about the backup file. When there are multiple name entries, each named entry corresponds to one `parEntry` when the backup target is channels, providers, or display profiles. For other backup data type, there will be only one entry. Each name entry includes the following headers:

<code>PS-EntryName</code>	The entry name to identify the entry.
<code>PS-AutoExtract</code>	This provides information for the <code>import</code> subcommand with the <code>--autoextract</code> option.
<code>PS-DP-Docs</code>	A comma separated list of distinguished names. This gives a complete list of which display profile documents are archived in the backup file.
<code>PS-Include</code>	List of included files or directories.
<code>PS-Attribute-Properties</code>	List of attribute properties files

PAR Export File Format

This supplement describes the format of the export files used to specify data to be inserted into a PAR file.

File Format

The export file consists of lines containing a keyword, followed by a colon (:) and white space delimited fields. The `from:` line is required and it must be the first line of the file. Lines beginning with # are treated as comments.

`from:` *types name*

The `from` line indicates what entity is being exported. The *types* can be `channel`, `provider`, or `channel,provider`, and `channel+provider`. The *name* indicates the channel name, or a provider name if a provider is being exported. The name must be URL encoded if the name contains white space, commas (,), colons (:), semicolons (;), plus signs (+), or percent signs (%).

`file:` *root|. path [types]*

The `file` line indicates that a file, based on a property setting, is to be included. The property can come from either the desktop properties file, located by default in `/var/opt/SUNWportal/portals/portalID/config/desktopconfig.properties` file. The *root* specifies the root of the file location and *path* specifies the path to the rest of the file. The *root* is a property name that corresponds to a directory (like). If *root* is given as `.`, the file is assumed to be static content located at the web server's doc root. You can also specify the types of operation the file is to be associated with, defaulting to `channel`. The *types* can be `channel`, `provider`, or `channel,provider`, and `channel+provider`.

`class:` *class [types]*

The `class` line indicates that a class file is to be packaged with the entry, and you may optionally specify the types of operations that the class file are associated with.

If not specified, provider is assumed. Types can be `channel`, `provider`, or `channel,provider`, and `channel+provider`; also, when specifying both channel and provider, you can use a space.

`directory: root | . dir + | . |filter [types]`

The `directory` line implies an entire directory search with all non-directory files to be included as if entered as file lines. It includes the capability of specifying a filter that is a directory component which must be present in recursive directory searches. The `root` specifies the root of the directory, or `.` to indicate static content. The `dir` is the directory underneath the root to search from, which can be given as `.` to start at the root itself. The `filter` specifies the filter component which must be in the directory, which implies a recursive descent. It can be given as `+` for a recursive descent with no filter, or `.` for no recursive descent (just the contents of the actual directory). You can also specify the types of operation, which default to `channel`. Types can be `channel`, `provider`, or `channel,provider`, and `channel+provider`.

`entry: name`

The `entry` line specifies the entry name used in the `.par` file. If not specified, it defaults to the name from the `from:` line.

`desc: text`

Any number of `desc` lines may appear. These are concatenated together as a user-visible description packaged with the entry.

Import Operations Format

This supplement describes the PAR import operations list format.

Operations Format

Each operation (`op`) on the command line, must be specified as a pipe (`|`) separated list of keywords that can have values, most of which are optional. The operations are in space separated list. Each operation is in the following format:

```
dpnode=dn, entry=name, provider [=name], channel [=name], container=name [, avail=name, selected]
```

Here:

`dpnode` Specifies the distinguished name in the directory server (or the keyword `global`) for the display profile document that this operation is targeted at. This may not apply if the context it is being specified in has already provided this. For example, if the `import` subcommand defines the distinguished name, the distinguished name in the file is ignored.

`entry` Specifies the entry name in the `.par` file. This is not needed if the:

- `.par` file only contains one entry, as the operation defaults to that entry
- Operation is already associated with an entry such as the `auto extract` option for an entry.

The utility defaults to the first entry in the file if an entry is not specified.

`provider` Indicates that a provider extraction is to take place. If the name is missing, it uses the name packaged with the provider in the `.par` file.

<code>channel</code>	Indicates that a channel extraction is to take place. If the name is missing, it uses the name provided with the channel in the <code>.par</code> file.
<code>container</code>	Indicates which container the channel is to be inserted into and applies only to channel extractions. If omitted, the channel is inserted into the channels element at the display profile document root.
<code>avail</code>	Indicates a container whose avail (or available) list is to receive a reference to the new channel and applies only to channel extractions. If omitted, no new channel reference is created.
<code>selected</code>	Indicates that the container whose avail list received a reference, also has a reference placed in its selected list and applies only if <code>avail</code> was used.

If the `op` information is in both the `import` subcommand and in the `.par` file, the command information takes precedence