HP Operations Orchestration

For Windows and Linux Operating Systems

HP OO Software Version 10.01.0001

Operations Orchestration Shell User Guide

Document Release Date: October2013

Software Release Date: October2013

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Contents

Running HP OO Commands from the Command Line

The Operations Orchestration Shell (OOSH) lets you run HP OO commands from the command line, instead of from the Central web interface. This enables you to create scripts to run commands, to automate your HP OO processes.

You can perform actions such as:

- Run flows

- Deploy content packs

- Manage files - import, upload, delete, and so on

- Display flow information

- Manage system configuration

See the reference section for a complete list of commands that can be used with the OOSH utility and the options that can be used with each command.

> **Note:** Users who invoke upgrade-related commands from the OOSH utility must have the corresponding permissions.

> **Note:** The OOSH utility works with java 1.7.

Running Commands

You can run commands within the OOSH utility or from a normal prompt/shell.

To run commands from a normal prompt/shell, type `c:\hpoo\central\bin> oosh.bat <command>`.

For example:

```
c:\hpoo\central\bin> oosh.bat exec --uuid ABC --user ABC --pass ABC --url ABC
```

> **Note:** If you used to work with **RSFlowInvoke** and **JRSFlowInvoke** with HP OO 9.x, note that this is the alternative for HP OO 10.00.

What do you want to do?

Connect to a Central server

If you are running OOSH in shell mode, you can use the `connect` command to connect to the Central server.

All other commands support basic connection properties: `url`, `user`, `pass`. This enables you to invoke them directly from the command line without using the `connect` command first.

The `connect` command has more options. It also enables connection via an HTTP proxy.

For a complete list of all the options you can use with the `connect` command, see the reference section or type `help connect` in the command line.

1. Double-click the `oosh.bat` batch file, to start the OOSH utility.

2. In the command line, type (for example):

   ```
   connect --url <Central server URL>
   ```

3. Press the **Enter** key.

   If the connection is successful, the command line displays:

   ```
   Connected
   ```

Display information about a flow

1. In the command line of the OOSH utility, type.

```
finfo --uuid <the UUID of the flow>
```

> **Note:** The UUID of the flow is displayed in the Flow Library information panel.

2. Press the **Enter** key.

   The flow information is displayed in the command line.

Run a flow

With the exec command, you can use the options --user, --pass, --url, and so on. For a complete list of all the options you can use with the exec command, see the reference section or type help exec in the command line.

1. In the command line of the OOSH utility, type (for example):

```
exec --uuid <the UUID of the flow>
```

2. Press the **Enter** key.

Deploy a content pack

This command will only work if there is an active connection to a Central server. For a complete list of all the options you can use with the deploy command, see the reference section or type help deploy in the command line.

1. In the command line of the OOSH utility, type (for example):

```
deploy --url <URL of OO Central> --files <comma-separated list of files to d
eploy>
```

2. Press the **Enter** key.

Display help about the OOSH utility

- To display a list and description of all available commands in the OOSH utility, type:

```
help
```

- To display help about a particular command, type:

```
help <command>
```

For example:

```
help exec
```

Create a script to run OO commands from the OOSH utility

1. To create a script, write a simple text file with the OOSH commands that you want to run.
   Write each command on a separate line, in the sequence that you want the commands to run.

2. To run the script, use the `script` command in OOSH. For example:

```
script --file<script file name>
```

Add OOSH as the parser of an executable file

In Linux only, it is also possible to add OOSH as the parser of an executable file.

1. For example, create script-a:

```
#!/<install-dir>/oosh
<command-sequence>
```

2. Chmod the file:

```
chmod 755 script-a
```

3. Run it from the command line:

```
./script-a
```

Reference Material

Available commands for OOSH utility

Command	Argument	Description	Default Value/Behavior	Required
connect		Connects to an OO Central server		
	--url	URL of OO Central		Yes
	--user	OO Central user name		No
	--pass	OO Central password		No
	--proxyhost	http proxy host to connect through		No
	--proxyport	http proxy port to connect through	8080	No
	--proxyuser	http proxy user to connect with		No
	--proxypass	http proxy password to connect with		No
deploy		Deploys a content pack (requires an active connection)		
	--url	URL of OO Central		Yes, unless already connected to Central with the `connect` command
	--user	OO Central user name		No
	--password	OO Central password		No
	--files	Comma-separated list of content packs to deploy		Yes
disconnect		Disconnects from the OO Central server		

Command	Argument	Description	Default Value/Behavior	Required
exec		Runs a flow		
	--url	URL of OO Central		Yes, unless already connected to Central with the `connect` command
	--user	OO Central user name		No
	--password	OO Central password		No
	--uuid	UUID of the flow to run. For example, `cd38b579-4220-4fa5-bafd-78d67f73eb6f`		Yes
	--inputs	Comma-separated key=value map of the flow inputs. For example, `key1=value1,key2=value2`		No

Command	Argument	Description	Default Value/Behavior	Required
track		Shows information about a specific execution (tracking)		
	--url	URL of OO Central		Yes, unless already connected to Central with the `connect` command
	--user	OO Central user name		No
	--password	OO Central password		No
	--id	Execution id		Yes
	--property	Displays a specific property (default: all). Available properties: `executionId, executionName, status, resultStatusType, resultStatusName`	all	No
finfo, flow-info		Displays information about a specific flow run		
	--url	URL of OO Central		Yes, unless already connected to Central with the `connect` command
	--user	OO Central user name		No
	--password	OO Central password		No
	--property	Displays a specific property (default: all). Available properties: `id, name, path, description, cpName, version`	all	No

Command	Argument	Description	Default Value/Behavior	Required
lcp, list-content-packs		Lists all currently deployed content packs in the connected server		
	--url	URL of OO Central		Yes, unless already connected to Central with the `connect` command
	--user	OO Central user name		No
	--password	OO Central password		No
lsc, list-sys-config		Lists the system configuration		
	--url	URL of OO Central		Yes, unless already connected to Central with the `connect` command
	--user	OO Central user name		No
	--password	OO Central password		No
	--key	Lets you request the value of a specific key only		No

Command	Argument	Description	Default Value/Behavior	Required
ssc, set-sys-config		Sets the system configuration		
	--url	URL of OO Central		Yes, unless already connected to Central with the `connect` command
	--user	OO Central user name		No
	--password	OO Central password		No
	--key	System configuration key		Yes
	--value	System configuration value	empty string	No
show connection		Shows the connection properties		
historical-data-start-date		Sets the start date for the import of historical data		
	--url	URL of OO Central		Yes, unless already connected to Central with the `connect` command
	--user	OO Central user name		No
	--password	OO Central password		No
	--date	The date from which to start the import, in format dd/MM/yyyy		Yes

Command	Argument	Description	Default Value/Behavior	Required
historical-data-status		Gets the status of historical data import		
	--url	URL of OO Central		Yes, unless already connected to Central with the `connect` command
	--user	OO Central user name		No
	--password	OO Central password		No
import-historical-data		Imports the historical data of deployed content with the data defined in the 9.x server		
	--url	URL of OO Central		Yes, unless already connected to Central with the `connect` command
	--user	OO Central user name		No
	--password	OO Central password		No

Command	Argument	Description	Default Value/Behavior	Required
import-permissions		Imports the permissions of deployed content with the permissions file		
	--url	URL of OO Central		Yes, unless already connected to Central with the `connect` command
	--user	OO Central user name		No
	--password	OO Central password		No
import-schedules		Imports the schedules of deployed content with the schedules defined in the 9.x server		
	--url	URL of OO Central		Yes, unless already connected to Central with the `connect` command
	--user	OO Central user name		No
	--password	OO Central password		No

Command	Argument	Description	Default Value/Behavior	Required
permissions-status		Gets a list of all the permissions that were imported so far		
	--url	URL of OO Central		Yes, unless already connected to Central with the `connect` command
	--user	OO Central user name		No
	--password	OO Central password		No
	--output	Full path where the output should be written		No
upload-permissions-file		Uploads the permissions file created during content upgrade		
	--url	URL of OO Central		Yes, unless already connected to Central with the `connect` command
	--user	OO Central user name		No
	--password	OO Central password		No
	--file	The full path to the permissions file, which is in the **Output** folder of the Content Upgrade Utility		No