HP Operations Orchestration

Software Version: 10.50 Windows and Linux Operating Systems

00 Shell (00SH) User Guide

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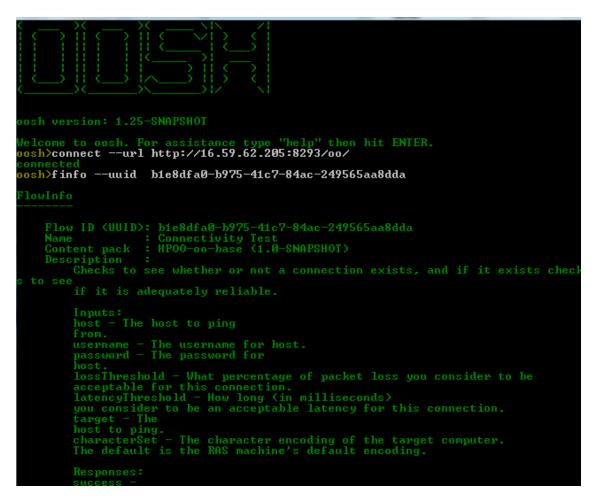
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Running HP 00 Commands from the Command Line

The Operations Orchestration Shell (OOSH) utility lets you run HP OO commands from the command line, instead of from the Central 10.x 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.

The OOSH utility is located under <installation path>\central\bin and <installation path>\res\bin.

Note: Users invoking commands from the OOSH utility must have the relevant Central permissions (otherwise, they will face "Unauthorized" errors).

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 trigger --uuid ABC --user ABC --password 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.x.

Note: The OOSH utility is also available under ras\bin.

Connecting to a Central 10.x server

If you are running commands in the OOSH utility's shell interface, you can use the connect command to connect to the Central 10.x server.

If the connection is successful, consequent commands will use it (until you exit OOSH or the Central session times out).

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

Note: It is possible to specify the user name (with the user property) without specifying the password (with the password) property. You will be prompted for the password upon making the connection.

Note also that in a multi-LDAP environment, you should enter the user name in the following format: **domain/username**. If you enter the user name without a domain, OOSH will try to authenticate the user with the default LDAP first and if this fails, will to authenticate within the HP OO internal domain.

The connect command has more options. It also allows 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

Displaying 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 pane.

2. Press the Enter key.

The flow information is displayed in the command line.

Running a flow

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

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

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

2. Press the Enter key.

Deploying a content pack

This command will only work if there is an active connection to a Central 10.x 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
deploy>
```

2. Press the Enter key.

Displaying 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 trigger

Creating a script to run HP 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, either set OOSH as its parser (Linux only, see the details below), or use the script command in OOSH. For example:

```
script --file <path to script>
```

Adding 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 the OOSH utility

connect

Argument	Description	Default Value/Behavior	Required
	Connects to an OO 10.x Central server		
url	URL of OO 10.x Central		Yes
user	OO Central user name In a multi-LDAP environment, enter the user name in the format domain\username.	If you enter the user name without a domain, OOSH will try to authenticate the user with the default LDAP first, and if this fails, will try to authenticate within the HP OO internal domain.	No
password	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
proxypassword	http proxy password to connect with		No

deploy

Deploys a content pack (requires an active connection)
--

url	URL of OO 10.x Central	Yes, unless already connected to Central with the connect command
user	OO Central user name In a multi-LDP environment, enter the user name in the format domain\username.	No
password	OO Central password	No
files	Comma-separated list of content packs to deploy	Yes

disconnect

Disconnects from the OO 10.x Central server		
--	--	--

trigger

	Runs a flow	
url	URL of OO 10.x Central	Yes, unless already connected to Central with the connect command
user	OO Central user name In a multi-LDP environment, enter the user name in the format domain\username.	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 Note: If the input value contains white spaces, and you are using a Windows command, you need to use \" to escape the quotes. For example: inputs \"title=my title,message=my message\" If you open the OOSH command line (by running oosh.bat without arguments), you can use regular quotes. For example:	No
	regular quotes. For	

track

	Shows information about a specific execution (tracking)	
uri	URL of OO 10.x Central	Yes, unless already connected to Central with the connect command
user	OO Central user name In a multi-LDP environment, enter the user name in the format domain\username.	No
password	OO Central password	No
id	Execution id	Yes

(default: propertie executi resultS	a specific property all II). Available : executionId, nName, status, atusType, atusName	No
--	--	----

finfo,flow-info

	Displays information about a specific flow run		
url	URL of OO 10.x Central		Yes, unless already connected to Central with the connect command
user	OO Central user name In a multi-LDP environment, enter the user name in the format domain\username.		No
password	OO Central password		No
property	Displays a specific property (default: all). Available properties: id, name, path, description, cpName, version	all	No

Icp, list-content-packs

	Lists all currently deployed content packs in the connected server	
url	URL of OO 10.x Central	Yes, unless already connected to Central with the connect command

user	OO Central user name	No
	In a multi-LDP environment, enter the user name in the format domain\username.	
password	OO Central password	No

lsc, list-sys-config

	Lists the system configuration	
url	URL of OO 10.x Central	Yes, unless already connected to Central with the connect command
user	OO Central user name In a multi-LDP environment, enter the user name in the format domain\username.	No
password	OO Central password	No
key	Lets you request the value of a specific key only	No

license-file-import

	Install an enterprise license from a file	
url	URL of OO 10.x Central	Yes, unless already connected to Central with the connect command
user	OO Central user name In a multi-LDP environment, enter the user name in the format domain\username.	No
password	OO Central password	No
file	The full path to the license file, with "dat" extension	Yes

license-report

	Displays details of the current license. For example, the number of days left in a trial period.	
url	URL of OO 10.x Central	Yes, unless already connected to Central with the connect command
user	OO Central user name In a multi-LDP environment, enter the user name in the format domain\username.	No
password	OO Central password	No

ssc, set-sys-config

	Sets the system configuration		
url	URL of OO 10.x Central		Yes, unless already connected to Central with the connect command
user	OO Central user name		No
	In a multi-LDP environment, enter the user name in the format domain\username.		
password	OO Central password		No
key	System configuration key		Yes
value	System configuration value	empty string	No
capture.loggedin.user.credentials	Enables HP OO to record the credentials of the logged-in user	false	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 10.x Central	Yes, unless already connected to Central with the connect command
user	OO Central user name In a multi-LDP environment, enter the user name in the format domain\username.	No
password	OO Central password	No
date	The date from which to start the import, in format dd/MM/yyyy	Yes

historical-data-status

	Gets the status of historical data import	
url	URL of OO 10.x Central	Yes, unless already connected to Central with the connect command
user	OO Central user name In a multi-LDP environment, enter the user name in the format domain\username.	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	
uri	URL of OO 10.x Central	Yes, unless already connected to Central with the connect command
user	OO Central user name In a multi-LDP environment, enter the user name in the format domain\username.	No
password	OO Central password	No

import-permissions

	Imports the permissions of deployed content with the permissions file	
uri	URL of OO 10.x Central	Yes, unless already connected to Central with the connect command
user	OO Central user name In a multi-LDP environment, enter the user name in the format domain\username.	No
password	OO Central password	No

import-schedules

url	URL of OO 10.x Central	Yes, unless already connected to Central with the connect command
user	OO Central user name In a multi-LDP environment, enter the user name in the format domain\username.	No
password	OO Central password	No

permissions-status

	Gets a list of all the permissions that were imported so far	
url	URL of OO 10.x Central	Yes, unless already connected to Central with the connect command
user	OO Central user name In a multi-LDP environment, enter the user name in the format domain\username.	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 10.x Central	alread conne Centr	ected to al with onnect
user	OO Central user name In a multi-LDP environment, enter the user name in the format domain\username.	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	

Note: : After an upgrade from HP OO 9.x to 10.x (earlier than 10.02), using the HP OO Shell Utility to migrate historical data will get the result "Resolved" instead of "RESOLVED", as required in HP OO 10.x. This causes duplicates in the results distribution on the Dashboard. If this occurs, upgrade to HP OO 10.20.



