



# **Performing backup, restore, and clone operations using prescript and post-scripts**

## **SnapManager Oracle**

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# Performing backup, restore, and clone operations using prescript and post-scripts

You can use your own script while initiating a backup, restore, or clone operation. SnapManager displays a Task-enabling page in the Backup Create wizard, Restore or Recover wizard, or Clone Create wizard, where you can select the script and provide values for any parameters required by the script.

- Install the plug-in scripts in the correct SnapManager installation location.
- Verify that the plug-ins are installed correctly by using the smsap plugin check command.
- Ensure that you are using the BASH shell.

In the command-line interface (CLI), list the script name, select the parameters, and set the values.

1. To verify that you are using the BASH shell, enter the following command at the command prompt: bash

Alternately, you can enter the which-bash command at the prompt, and use the command output as the start parameter of the script.

The BASH shell is operating properly if you do not see an error.

2. For the backup operation, enter the `-taskspec` option and provide the absolute path of the task specification XML file for performing a preprocessing or a post-processing activity to occur before or after the backup operation: `smo backup create -profile profile_name [{"-full {"-online | -offline | -auto} [-retain {"-hourly | [-daily | -weekly | -monthly | -unlimited]}] [-verify] | [-data [{"-filesfiles [files]] | [-tablespaces-tablespaces [-tablespaces]] [-datalabellabel] {"-online | -offline | -auto} [-retain {"-hourly | [-daily | -weekly | -monthly | -unlimited]}] [-verify] | [-archivelogs [-labellabel] [-commentcomment] [-backup-destpath1 [,path2]]] [-exclude-destpath1 [,path2]]] [-prunelogs {"-all | -untilSCNuntilSCN | -before {"-dateyyyy-MM-dd HH:mm:ss | -months | -days | -weeks | -hours}} -prune-destprune_dest1[,prune_dest2]] [-taskspectaskspec] [-include-with-online-backups | -no-include-with-online-backups]}] -dump [-force] [-quiet | -verbose]`

If the backup plug-in operation failed, only the plug-in name and return code are displayed. Your plug-in script must include log messages and redirect the messages to the user-defined log files.

3. For the backup restore operation, enter the `-taskspec` option and provide the absolute path of the task specification XML file for performing a preprocessing or a post-processing activity to occur before or after the restore operation: `smo backup restore -profileprofile_name {-label<label> | -id<id>} {-files<files>|-tablespaces<tablespaces> | -complete | -controlfiles} [-recover {"-alllogs | -nologs | -until <until>}][-restorespec<restorespec>] [-taskspec<taskspec>] [-verify][force] backup restore -fast [require | override | fallback | off] [-preview] -dump [-quiet | -verbose]`

If the restore plug-in operation failed, only the plug-in name and return code are displayed. Your plug-in script must include log messages and redirect the messages to the user-defined log files.

4. For the clone create operation, enter the `-taskspec` option and provide the absolute path of the task specification XML file for performing a preprocessing or a post-processing activity to occur before or after the clone operation: `smo clone create -profileprofile_name {-backup-labelbackup_name | -backup -id<backup-id>| -current} -newsidnew_sid-clonespecfull_path_to_clonespecfile [-reserve<yes, no, inherit>] [-host<host>] [-label<label>] [-comment<comment>] {-taskspec<taskspec>} -dump [-quiet | -verbose]`

If the clone plug-in operation failed, only the plug-in name and return code are displayed. Your plug-in script must include log messages and redirect the messages to the user-defined log files.

## Example of creating a backup using the task specification XML file

```
smo backup create -profile SALES1 -full -online -taskspec  
sales1_taskspec.xml -force -verify
```

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