



Operations in task scripts

SnapManager Oracle

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Operations in task scripts

The pretask or post-task scripts that you create must follow a standard SnapManager for Oracle plug-in structure.

The pretask and post-task scripts must include the following operations:

- check
- describe
- execute

If any one of these operations is not specified in the pretask or post-task script, then the script becomes invalid.

When you run the `smo plugin check` command for the pretask or post-task scripts, the returned status of the scripts display error (because the returned status value is not zero).

Operation	Description
check	The SnapManager server runs the <code>plugin.sh -check</code> command to ensure that the system has execution permission on the plug-in scripts. You might also include file permission checking on the remote system.

describe

The SnapManager server runs the `plugin.sh -describe` command to obtain information about your script and match the elements provided by the specification file. Your plug-in script must contain the following description information:

- `SM_PI_NAME`: Script name. You must provide a value for this parameter.
- `SM_PI_DESCRIPTION`: Description of the script's purpose. You must provide a value for this parameter.
- `SM_PI_CONTEXT`: Context in which the script should run—for example, `root` or `oracle`. You must provide a value for this parameter.
- `SM_PI_TIMEOUT`: The maximum time (in milliseconds) that SnapManager should wait for the script to complete processing and terminate execution. You must provide a value for this parameter.
- `SM_PI_PARAMETER`: One or more custom parameters necessary for your plug-in script to perform processing. Each parameter should be listed in a new output line and include the name of the parameter and a description. When the script completes processing, the parameter value will be provided to your script by an environment variable.

The following is the sample output of the `Followup_activities` script.

```
plugin.sh - describe

SM_PI_NAME:Followup_activities
SM_PI_DESCRIPTION:this script
contains follow-up activities to
be executed after the clone create
operation.
SM_PI_CONTEXT:root
SM_PI_TIMEOUT:60000
SM_PI_PARAMETER:SCHEMAOWNER:Name
of the database schema owner.
Command complete.
```

execute

The SnapManager server runs the `plugin.sh -execute` command to start your script to execute the script.

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