



Configure the SnapCenter Plug-in Loader service

SnapCenter Software

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The SnapCenter Plug-in Loader service loads the plug-in package for Linux or AIX to interact with the SnapCenter Server. The SnapCenter Plug-in Loader service is installed when you install the SnapCenter Plug-ins Package for Linux or SnapCenter Plug-ins Package for AIX.



About this task

After installing the SnapCenter Plug-ins Package for Linux or SnapCenter Plug-ins Package for AIX, the SnapCenter Plug-in Loader service starts automatically. If the SnapCenter Plug-in Loader service fails to start automatically, you should:

- Ensure that the directory where the plug-in is operating is not deleted
- Increase the memory space allotted to the Java Virtual Machine

The `spl.properties` file, which is located at `/custom_location/NetApp/snapcenter/spl/etc/`, contains the following parameters. Default values are assigned to these parameters.

Parameter name	Description
LOG_LEVEL	Displays the log levels that are supported. The possible values are INFO, DEBUG, TRACE, ERROR, FATAL, and WARN.
SPL_PROTOCOL	Displays the protocol that is supported by SnapCenter Plug-in Loader. Only the HTTPS protocol is supported. You can add the value if the default value is missing.
SNAPCENTER_SERVER_PROTOCOL	Displays the protocol that is supported by SnapCenter Server. Only the HTTPS protocol is supported. You can add the value if the default value is missing.
SKIP_JAVAHOME_UPDATE	By default, the SPL service detects the java path and update JAVA_HOME parameter. Therefore the default value is set to FALSE. You can set to TRUE if you want to disable the default behavior and manually fix the java path.
SPL_KEYSTORE_PASS	Displays the password of the keystore file. You can change this value only if you change the password or create a new keystore file.

Parameter name	Description
SPL_PORT	<p>Displays the port number on which the SnapCenter Plug-in Loader service is running.</p> <p>You can add the value if the default value is missing.</p> <div>  <p>You should not change the value after installing the plug-ins.</p> </div>
SNAPCENTER_SERVER_HOST	Displays the IP address or host name of the SnapCenter Server.
SPL_KEYSTORE_PATH	Displays the absolute path of the keystore file.
SNAPCENTER_SERVER_PORT	Displays the port number on which the SnapCenter Server is running.
SPL_LOGS_MAX_COUNT	<p>Displays the number of SnapCenter Plug-in Loader log files that are retained in the <i>/custom_location/snapcenter/spl/logs</i> folder.</p> <p>The default value is set to 5000. If the count is more than the specified value, then the last 5000 modified files are retained. The check for the number of files is done automatically every 24 hours from when SnapCenter Plug-in Loader service is started.</p> <div>  <p>If you manually delete the spl.properties file, then the number of files to be retained is set to 9999.</p> </div>
JAVA_HOME	<p>Displays the absolute directory path of the JAVA_HOME which is used to start SPL service.</p> <p>This path is determined during installation and as part of starting SPL.</p>

If any of these parameters are not assigned to the default value or if you want to assign or change the value, then you can modify the spl.properties file. You can also verify the spl.properties file and edit the file to troubleshoot any issues related to the values that are assigned to the parameters. After you modify the spl.properties file, you should restart the SnapCenter Plug-in Loader service.

Steps

1. Perform one of the following actions, as required:
 - Start the SnapCenter Plug-in Loader service as a root user:

```
`/custom_location/NetApp/snapcenter/spl/bin/spl start`
```

- Stop the SnapCenter Plug-in Loader service:

```
`/custom_location/NetApp/snapcenter/spl/bin/spl stop`
```



You can use the `-force` option with the stop command to stop the SnapCenter Plug-in Loader service forcefully. However, you should use caution before doing so because it also terminates the existing operations.

- Restart the SnapCenter Plug-in Loader service:

```
`/custom_location/NetApp/snapcenter/spl/bin/spl restart`
```

- Find the status of the SnapCenter Plug-in Loader service:

```
`/custom_location/NetApp/snapcenter/spl/bin/spl status`
```

- Find the change in the SnapCenter Plug-in Loader service:

```
`/custom_location/NetApp/snapcenter/spl/bin/spl change`
```

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