



Configure the SnapCenter Plug-in Loader service

SnapCenter Software

Soumik Das, Archana
June 16, 2021

This PDF was generated from https://docs.netapp.com/us-en/snapcenter/protect-sco/task_configure_snapcenter_plug_in_loader_service.html on June 18, 2021. Always check docs.netapp.com for the latest.

Table of Contents

Configure the SnapCenter Plug-in Loader service..... 1

Configure the SnapCenter Plug-in Loader service

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`
```

Copyright Information

Copyright © 2021 NetApp, Inc. All rights reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means-graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system- without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

RESTRICTED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.277-7103 (October 1988) and FAR 52-227-19 (June 1987).

Trademark Information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.