



Snap Creator Agent security

Snap Creator Framework

NetApp

February 12, 2024

This PDF was generated from https://docs.netapp.com/us-en/snap-creator-framework/administration/task_managing_snap_creator_agent_security.html on February 12, 2024. Always check docs.netapp.com for the latest.

Table of Contents

- Snap Creator Agent security 1
 - Managing Snap Creator Agent security 1
 - Customizing the default keystore 2

Snap Creator Agent security

Snap Creator Server communicates with Snap Creator Agent only through HTTPS, which ensures a secure and encrypted communication. This feature is important in a multitenant environment. Self-signed certificates enables you to use your own generated certificate with Snap Creator Agent.



This is supported only for Snap Creator 4.1 and later.

Managing Snap Creator Agent security

You can manage the security settings of the Snap Creator Agent by adding commands that can be used by Snap Creator. You can also limit communication to specific Snap Creator servers.

The procedure for managing Snap Creator Agent security is the same for Windows and UNIX. The following procedure uses examples from the UNIX environment.

1. Log in to the system where the Snap Creator Agent is running, and switch to the etc subdirectory within the installation directory.

```
cd /install_path/scAgent4.3.0/etc
```

2. If you want to add commands that can be used by Snap Creator, perform the following steps:
 - a. Open the `allowed_commands.config` file in a text editor.
 - b. Add commands as needed, with each command on a separate line.



The commands entered in the `allowed_commands.config` file are case sensitive and must exactly match the commands in the configuration file, including capitalization and quotation marks.

```
command: "C:\Program Files\NetApp\SnapDrive\sdcli.exe"
```



If the command contains any spaces, then you must enclose the command within quotation marks.

- c. Save and close the file.
3. If you want to limit communication to specific Snap Creator servers, perform the following steps:
 - a. Open the `agent.properties` file in a text editor.
 - b. Change the `AUTHORIZED_HOSTS` parameter, using commas to separate the host names.

Both host names and IP addresses are supported.

```
AUTHORIZED_HOSTS=Lyon, 10.10.10.192, Fuji01
```

- c. Save and close the file.
4. Restart the Snap Creator Agent.

```
/install_path/scAgent4.3.0/bin/scAgent restart
```

Customizing the default keystore

You can customize the default keystore or certificate by using the keytool command that is available on Windows and UNIX.

The keytool command is provided by Java. In some environments, you might have to switch to the Java installation directory in order to run the keytool command.

Snap Creator does not support truststores.

1. Stop the Snap Creator Agent.
2. Generate a new keystore with a single certificate:

```
keytool -genkeypair -alias alias_name -keystore keystore_file -keypass  
private_key_password -storepass keystore_password
```

```
keytool -genkeypair -alias servicekey -keystore serviceKeystore.jks -keypass kypswd123 -storepass  
kysrpswd123
```

3. Copy the keystore file to the scAgent4.3.0/etc/ directory.
4. Update the KEYSTORE_FILE=keystore_file and KEYSTORE_PASS=keystore password parameters in the Snap Creator Agent configuration file (scAgent4.3.0/etc/allowed_commands.config).
5. Start the Snap Creator Agent.

Related information

[Starting, verifying, and stopping Snap Creator Agent on Windows](#)

[Starting, verifying, and stopping Snap Creator Agent on UNIX](#)

Copyright information

Copyright © 2024 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.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

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.