



# **Install the SnapCenter Plug-in for MySQL**

## **SnapCenter software**

NetApp  
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# Install the SnapCenter Plug-in for MySQL

## Add hosts and install plug-in packages on remote hosts

You must use the SnapCenter Add Host page to add hosts, and then install the plug-ins packages. The plug-ins are automatically installed on the remote hosts. You can add the host and install plug-in packages for an individual host.

### Before you begin


- If the operating system of the SnapCenter Server host is Windows 2019 and the operating system of the plug-in host is Windows 2022, you should perform the following:
  - Upgrade to Windows Server 2019 (OS Build 17763.5936) or later
  - Upgrade to Windows Server 2022 (OS Build 20348.2402) or later
- You must be a user that is assigned to a role that has the plug-in install and uninstall permissions, such as the SnapCenter Admin role.
- When installing a plug-in on a Windows host, if you specify a credential that is not built-in, or if the user belongs to a local workgroup user, you must disable UAC on the host.
- You should ensure that the message queueing service is running.
- The administration documentation contains information about managing hosts.


### About this task

- You cannot add a SnapCenter Server as a plug-in host to another SnapCenter Server.

### Steps

1. In the left navigation pane, click **Hosts**.
2. Verify that the **Managed Hosts** tab is selected at the top.
3. Click **Add**.
4. In the Hosts page, perform the following actions:


For this field...	Do this...
Host Type	Select the type of host: <ul style="list-style-type: none"><li>• Windows</li><li>• Linux</li></ul> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> The Plug-in for MySQL has to be installed on the MySQL database server.</div>
Host name	Enter the communication host name. Enter the fully qualified domain name (FQDN) or the IP address of the host. SnapCenter depends on the proper configuration of the DNS. Therefore, the best practice is to enter the FQDN.

For this field...	Do this...
Credentials	<p>Either select the credential name that you created or create new credentials. The credential must have administrative rights on the remote host. For details, see the information about creating credentials.</p> <p>You can view details about the credentials by positioning your cursor over the credential name that you provided.</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;">  The credentials authentication mode is determined by the host type that you specify in the Add Host wizard. </div>

5. In the Select Plug-ins to Install section, select the plug-ins to install.

While using the REST API to install Plug-in for MySQL, you must pass the version as 3.0. For example, MySQL:3.0

6. (Optional) Click **More Options**.

For this field...	Do this...
Port	<p>Either retain the default port number or specify the port number. The default port number is 8145. If the SnapCenter Server was installed on a custom port, that port number will be displayed as the default port.</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;">  If you manually installed the plug-ins and specified a custom port, you must specify the same port. Otherwise, the operation fails. </div>
Installation Path	<p>The Plug-in for MySQL is installed on the MySQL client host, and this host can be on either a Windows system or a Linux system.</p> <ul style="list-style-type: none"> <li>• For the SnapCenter Plug-ins Package for Windows, the default path is C:\Program Files\NetApp\SnapCenter. Optionally, you can customize the path.</li> <li>• For the SnapCenter Plug-ins Package for Linux, the default path is /opt/NetApp/snapcenter. Optionally, you can customize the path.</li> </ul>

For this field...	Do this...
Skip preinstall checks	Select this check box if you already installed the plug-ins manually and you do not want to validate whether the host meets the requirements for installing the plug-in.
Add all hosts in the cluster	Not Applicable.
Use group Managed Service Account (gMSA) to run the plug-in services	Not Applicable.

#### 7. Click **Submit**.

If you have not selected the Skip prechecks checkbox, the host is validated to verify whether the host meets the requirements for installing the plug-in. The disk space, RAM, PowerShell version, .NET version, location (for Windows plug-ins), and Java version (for Linux plug-ins) are validated against the minimum requirements. If the minimum requirements are not met, appropriate error or warning messages are displayed.

If the error is related to disk space or RAM, you can update the web.config file located at C:\Program Files\NetApp\SnapCenter WebApp to modify the default values. If the error is related to other parameters, you must fix the issue.



In an HA setup, if you are updating web.config file, you must update the file on both nodes.

#### 8. If host type is Linux, verify the fingerprint, and then click **Confirm and Submit**.

In a cluster setup, you should verify the fingerprint of each of the nodes in the cluster.



Fingerprint verification is mandatory even if the same host was added earlier to SnapCenter and the fingerprint was confirmed.

#### 9. Monitor the installation progress.

- For Windows plug-in, the install and upgrade logs are located at: *C:\Windows\SnapCenter plugin\Install<JOBID>\\_*
- For Linux plug-in, the install logs are located at: */var/opt/snapcenter/logs/SnapCenter\_Linux\_Host\_Plug-in\_Install<JOBID>.log\_* and the upgrade logs are located at: */var/opt/snapcenter/logs/SnapCenter\_Linux\_Host\_Plug-in\_Upgrade<JOBID>.log\_*

#### After you finish

If you want to upgrade to SnapCenter 6.0 version, the existing PERL-based Plug-in for MySQL will be uninstalled from the remote plug-in server.

## Install SnapCenter Plug-in Packages for Linux or Windows on multiple remote hosts by using cmdlets

You can install the SnapCenter Plug-in Packages for Linux or Windows on multiple hosts simultaneously by using the Install-SmHostPackage PowerShell cmdlet.

## Before you begin

You must have logged in to SnapCenter as a domain user with local administrator rights on each host on which you want to install the plug-in package.

## Steps

1. Launch PowerShell.
2. On the SnapCenter Server host, establish a session using the `Open-SmConnection` cmdlet, and then enter your credentials.
3. Install the plug-in on multiple hosts using the `Install-SmHostPackage` cmdlet and the required parameters.

The information regarding the parameters that can be used with the cmdlet and their descriptions can be obtained by running `Get-Help command_name`. Alternatively, you can also refer to the [SnapCenter Software Cmdlet Reference Guide](#).

You can use the `-skipprecheck` option when you have installed the plug-ins manually and do not want to validate whether the host meets the requirements to install the plug-in.

4. Enter your credentials for remote installation.

# Install the SnapCenter Plug-in for MySQL on Linux hosts by using the command-line interface

You should install the SnapCenter Plug-in for MySQL Database by using the SnapCenter user interface (UI). If your environment does not allow remote installation of the plug-in from the SnapCenter UI, you can install the Plug-in for MySQL Database either in console mode or in silent mode by using the command-line interface (CLI).

## Before you begin

- You should install the Plug-in for MySQL Database on each of the Linux host where the MySQL instance must be protected.
- The Linux host on which you are installing the SnapCenter Plug-in for MySQL Database must meet the dependent software, database, and operating system requirements.

The [Interoperability Matrix Tool \(IMT\)](#) contains the latest information about the supported configurations.

- The SnapCenter Plug-in for MySQL Database is part of SnapCenter Plug-ins Package for Linux. Before you install SnapCenter Plug-ins Package for Linux, you should have already installed SnapCenter on a Windows host.

## Steps

1. Copy the SnapCenter Plug-ins Package for Linux installation file (`snapcenter_linux_host_plugin.bin`) from `C:\ProgramData\NetApp\SnapCenter\Package Repository` to the host where you want to install the Plug-in for MySQL.

You can access this path from the host where the SnapCenter Server is installed.

2. From the command prompt, navigate to the directory where you copied the installation file.
3. Install the plug-in: `path_to_installation_bin_file/snapcenter_linux_host_plugin.bin -i silent -DPORT=port_number_for_host -DSERVER_IP=server_name_or_ip_address -DSERVER_HTTPS_PORT=port_number_for_server`

- -DPORT specifies the SMCORE HTTPS communication port.
- -DSERVER\_IP specifies the SnapCenter Server IP address.
- -DSERVER\_HTTPS\_PORT specifies the SnapCenter Server HTTPS port.
- -DUSER\_INSTALL\_DIR specifies the directory where you want to install the SnapCenter Plug-ins Package for Linux.
- DINSTALL\_LOG\_NAME specifies the name of the log file.

```
/tmp/sc-plugin-installer/snapcenter_linux_host_plugin.bin -i silent
-DPORT=8145 -DSERVER_IP=scserver.domain.com -DSERVER_HTTPS_PORT=8146
-DUSER_INSTALL_DIR=/opt
-DINSTALL_LOG_NAME=SnapCenter_Linux_Host_Plugin_Install_2.log
-DCHOSEN_FEATURE_LIST=CUSTOM
```

4. Edit the `/<installation directory>/NetApp/snapcenter/scc/etc/SC_SMS_Services.properties` file, and then add the `PLUGINS_ENABLED = MySQL:3.0` parameter.
5. Add the host to the SnapCenter Server using the `Add-Smhost` cmdlet and the required parameters.






The information regarding the parameters that can be used with the command and their descriptions can be obtained by running `Get-Help command_name`. Alternatively, you can also refer to the [SnapCenter Software Cmdlet Reference Guide](#).

## Monitor the status of installing Plug-in for MySQL

You can monitor the progress of SnapCenter plug-in package installation by using the **Jobs** page. You might want to check the progress of installation to determine when it is complete or if there is an issue.

### About this task

The following icons appear on the **Jobs** page and indicate the state of the operation:

-  In progress
-  Completed successfully
-  Failed
-  Completed with warnings or could not start due to warnings
-  Queued

### Steps

1. In the left navigation pane, click **Monitor**.
2. In the **Monitor** page, click **Jobs**.
3. In the **Jobs** page, to filter the list so that only plug-in installation operations are listed, do the following:
  - a. Click **Filter**.
  - b. Optional: Specify the start and end date.

- c. From the Type drop-down menu, select **Plug-in installation**.
  - d. From the Status drop-down menu, select the installation status.
  - e. Click **Apply**.
4. Select the installation job and click **Details** to view the job details.
  5. In the **Job Details** page, click **View logs**.

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