



Sending a Unified Manager support bundle to technical support

OnCommand Unified Manager 9.5

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Table of Contents

Sending a Unified Manager support bundle to technical support	1
About this task	1
Accessing the maintenance console	1
Generating a support bundle	2
Retrieving the support bundle using a Windows client	4
Retrieving the support bundle using a UNIX or Linux client	4
Sending a support bundle to technical support	5

Sending a Unified Manager support bundle to technical support

This workflow shows you how to generate, retrieve, and send a support bundle to technical support using the Unified Manager maintenance console. You should send a support bundle when the issue that you have requires more detailed diagnosis and troubleshooting than an AutoSupport message provides.

About this task

For more information about the maintenance console and support bundles, see [Using the maintenance console](#).

Unified Manager stores two generated support bundles at one time.

Accessing the maintenance console

If the Unified Manager user interface is not in operation, or if you need to perform functions that are not available in the user interface, you can access the maintenance console to manage your Unified Manager system.

Before you begin

You must have installed and configured Unified Manager.

About this task

After 15 minutes of inactivity, the maintenance console logs you out.



When installed on VMware, if you have already logged in as the maintenance user through the VMware console, you cannot simultaneously log in using Secure Shell.

Steps

1. Follow these steps to access the maintenance console:

On this operating system...	Follow these steps...
VMware	<ol style="list-style-type: none">a. Using Secure Shell, connect to the IP address or fully qualified domain name of the Unified Manager virtual appliance.b. Log in to the maintenance console using your maintenance user name and password.

On this operating system...	Follow these steps...
Linux	<ol style="list-style-type: none"> <li data-bbox="861 160 1481 261">a. Using Secure Shell, connect to the IP address or fully qualified domain name of the Unified Manager system. <li data-bbox="861 283 1481 342">b. Log in to the system with the maintenance user (umadmin) name and password. <li data-bbox="861 363 1481 422">c. Enter the command <code>maintenance_console</code> and press Enter.
Windows	<ol style="list-style-type: none"> <li data-bbox="861 483 1481 542">a. Log in to the Unified Manager system with administrator credentials. <li data-bbox="861 563 1481 601">b. Launch PowerShell as a Windows administrator. <li data-bbox="861 623 1481 682">c. Enter the command <code>maintenance_console</code> and press Enter. <div data-bbox="926 832 980 882" style="border: 1px solid #ccc; border-radius: 50%; padding: 2px 5px; margin-bottom: 10px;">  </div> <p data-bbox="1041 734 1449 973">On Microsoft Windows Server 2012 if you receive an execution policy error, enter the following command and try step c again: <code>PowerShell.exe -ExecutionPolicy RemoteSigned</code></p>

The Unified Manager maintenance console menu is displayed.

Generating a support bundle

You can generate a support bundle, containing full diagnostic information, so that you can then retrieve it and send it to technical support for troubleshooting help. Because some types of data can use a large amount of cluster resources or take a long time to complete, you can specify data types to include or exclude in the support bundle.

Before you begin

You must have access to the maintenance console as the maintenance user.

About this task

Unified Manager stores only the two most recently generated support bundles. Older support bundles are deleted from the system.



On Windows systems, the command `supportbundle.bat` is no longer supported to generate a support bundle.

Steps

1. In the maintenance console **Main Menu**, select **Support/Diagnostics**.
2. Select **Generate Support Bundle**.
3. Select or deselect the following data types to include or exclude in the support bundle:

- **database dump**

A dump of the MySQL Server database.

- **heap dump**

A snapshot of the state of the main Unified Manager server processes. This option is disabled by default and should be selected only when requested by customer support.

- **acquisition recordings**

A recording of all communications between Unified Manager and the monitored clusters.



If you deselect all data types, the support bundle is still generated with other Unified Manager data.

4. Type `g`, and then press Enter to generate the support bundle.

Since the generation of a support bundle is a memory intensive operation, you are prompted to verify that you are sure you want to generate the support bundle at this time.

5. Type `y`, and then press Enter to generate the support bundle.

If you do not want to generate the support bundle at this time, type `n`, and then press Enter.

6. If you included database dump files in the support bundle, you are prompted to specify the time period for which you want performance statistics included. Including performance statistics can take a lot of time and space, so you can also dump the database without including performance statistics:

- a. Enter the starting date in the format YYYYMMDD.

For example, enter `20170101` for January 1, 2017. Enter `n` if you do not want performance statistics to be included.

- b. Enter the number of days of statistics to include, beginning from 12 a.m. on the specified starting date.

You can enter a number from 1 through 10.

If you are including performance statistics, the system displays the period of time for which performance statistics will be collected.

7. Select **Generate Support Bundle**.

The generated support bundle resides in the `/support` directory.

After you finish

After generating the support bundle, you can retrieve it using an SFTP client or by using UNIX or Linux CLI commands. On Windows installations you can use Remote Desktop (RDP) to retrieve the support bundle.

The generated support bundle resides in the `/support` directory on VMware systems, in `/opt/netapp/data/support/` on Linux systems, and in `ProgramData\NetApp\OnCommandAppData\ocum\support` on Windows systems.

Retrieving the support bundle using a Windows client

If you are a Windows user, you can download and install a tool to retrieve the support bundle from your Unified Manager server. You can send the support bundle to technical support for a more detailed diagnosis of an issue. Filezilla or WinSCP are examples of tools you can use.

Before you begin

You must be the maintenance user to perform this task.

You must use a tool that supports SCP or SFTP.

Steps

1. Download and install a tool to retrieve the support bundle.
2. Open the tool.
3. Connect to your Unified Manager management server over SFTP.

The tool displays the contents of the `/support` directory and you can view all existing support bundles.

4. Select the destination directory for the support bundle you want to copy.
5. Select the support bundle you want to copy and use the tool to copy the file from the Unified Manager server to your local system.

Related information

Filezilla - <https://filezilla-project.org/>

WinSCP - <http://winscp.net>

Retrieving the support bundle using a UNIX or Linux client

If you are a UNIX or Linux user, you can retrieve the support bundle from your vApp by using the command-line interface (CLI) on your Linux client server. You can use either SCP or SFTP to retrieve the support bundle.

Before you begin

You must be the maintenance user to perform this task.

You must have generated a support bundle using the maintenance console and have the support bundle name available.

Steps

1. Access the CLI through Telnet or the console, using your Linux client server.
2. Access the /support directory.
3. Retrieve the support bundle and copy it to the local directory using the following command:

If you are using...	Then use the following command...
SCP	scp <maintenance-user>@<vApp-name-or-ip>:/support/support_bundle_file_name.7z <destination-directory>
SFTP	sftp <maintenance-user>@<vApp-name-or-ip>:/support/support_bundle_file_name.7z <destination-directory>

The name of the support bundle is provided to you when you generate it using the maintenance console.

4. Enter the maintenance user password.

Examples

The following example uses SCP to retrieve the support bundle:

```
$ scp admin@10.10.12.69:/support/support_bundle_20160216_145359.7z .  
Password: <maintenance_user_password>  
support_bundle_20160216_145359.7z 100% 119MB 11.9MB/s 00:10
```

The following example uses SFTP to retrieve the support bundle:

```
$ sftp  
admin@10.10.12.69:/support/support_bundle_20160216_145359.7z .  
Password: <maintenance_user_password>  
Connected to 10.228.212.69.  
Fetching /support/support_bundle_20130216_145359.7z to  
.support_bundle_20130216_145359.7z  
.support/support_bundle_20160216_145359.7z
```

Sending a support bundle to technical support

When an issue requires more detailed diagnosis and troubleshooting information than an

AutoSupport message provides, you can send a support bundle to technical support.

Before you begin

You must have access to the support bundle to send it to technical support.

You must have a case number generated through the technical support web site.

Steps

1. Log in to the NetApp Support Site.
2. Upload the file.

[How to upload a file to NetApp](#)

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