Installing Unified Manager on Windows

OnCommand Unified Manager 9.5

NetApp
October 23, 2024

This PDF was generated from https://docs.netapp.com/us-en/oncommand-unified-manager-95/install/task-installing-unified-manager-on-windows.html on October 23, 2024. Always check docs.netapp.com for the latest.

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Installing Unified Manager on Windows

It is important that you understand the sequence of steps to download and install Unified Manager on Windows. Before you install Unified Manager on Windows, you can decide if you want to configure Unified Manager for high availability.

Installing Unified Manager on a Windows system

You can install Unified Manager on Windows to monitor and troubleshoot data storage capacity, availability, performance, and protection issues.

Before you begin

- The system on which you plan to install Unified Manager must meet the system and software requirements.

  Hardware system requirements

  Windows software and installation requirements

  > Starting with Unified Manager 9.5, OpenJDK is provided in the Unified Manager installation package and installed automatically. Oracle Java is not supported starting with Unified Manager 9.5.

- You must have Windows administrator privileges.
- You must have a supported web browser.
- The Unified Manager maintenance user password must be between 8 and 20 characters, must contain upper-case letters or lower-case letters, numerals, and special characters.
- The following special characters are not allowed in the password string for the maintenance user or for the MySQL root user: " ' ` % , = & < > | ^ \ / ( ) [ ] ;

  The following special characters are allowed: ~ ! @ # $ * - ? . : + { }

Steps

1. Log in to Windows using the default local administrator account.
2. Log in to the NetApp Support Site, and locate the Download page for installing Unified Manager on the Windows platform.

   NetApp Downloads: Software

3. Download the Unified Manager Windows installation file from the NetApp Support Site to a target directory in the Windows system.
4. Navigate to the directory where the installation file is located.
5. Right-click and run the Unified Manager installer executable (`.exe`) file as an administrator.

   Unified Manager detects missing or pre-installed third-party packages and lists them. If the required third-party packages are not installed in the system, Unified Manager installs them as part of the installation.

6. Click **Next**.
7. Enter the user name and password to create the maintenance user.
8. In the **Database Connection** wizard, enter the MySQL root password.
9. Click **Change** to specify a new location for the Unified Manager installation directory and MySQL data directory.

   If you do not change the installation directory, Unified Manager is installed in the default installation directory.

10. Click **Next**.
11. In the **Ready to Install Shield** wizard, click **Install**.
12. After the installation is complete, click **Finish**.

Results

The installation creates multiple directories:

- Installation directory

  This is the root directory for Unified Manager, which you specified during installation. Example: `C:\Program Files\NetApp\`

- MySQL data directory

  This is the directory where the MySQL databases are stored, which you specified during installation. Example: `C:\ProgramData\MySQL\MySQLServerData\`

- Java directory

  This is the directory where OpenJDK will be installed. Example: `C:\Program Files\NetApp\JDK\`

- Unified Manager application data directory (appDataDir)

  This is the directory where all the application-generated data is stored. This includes logs, support bundles, backup, and all other additional data. Example: `C:\ProgramData\NetApp\OnCommandAppData\`

After you finish

You can access the web UI to perform the initial setup of Unified Manager, as described in Configuring Unified Manager.

Performing an unattended installation of Unified Manager

You can install Unified Manager without user intervention by using the command-line interface. You can complete the unattended installation by passing the parameters in key-value pairs.

Steps

1. Log in to the Windows command-line interface by using the default local administrator account.
2. Navigate to the location where you want to install Unified Manager, and choose one of the following options:

Option	Instructions

If third-party packages are pre-installed	`OnCommandUnifiedManager-x.y.exe /V"MYSQL_PASSWORD=mysql_password INSTALLDIR=\"Installation directory\" MYSQL_DATA_DIR=\"MySQL data directory\" MAINTENANCE_PASSWORD=maintenance_password MAINTENANCE_USERNAME=maintenance_username /qn /l*v CompletePathForLogFile"`
	
	Example:
	
	`OnCommandUnifiedManager.exe /s /v"MYSQL_PASSWORD=netapp21! INSTALLDIR=\"C:\Program Files\NetApp\" MYSQL_DATA_DIR=\"C:\ProgramData\MYSQL\MySQLServer\" MAINTENANCE_PASSWORD=* MAINTENANCE_USERNAME=admin /qn /l*v C:\install.log"`

If third-party packages are not installed	`OnCommandUnifiedManager-x.y.exe /V"MYSQL_PASSWORD=mysql_password INSTALLDIR=\"Installation directory\" MYSQL_DATA_DIR=\"MySQL data directory\" MAINTENANCE_PASSWORD=maintenance_password MAINTENANCE_USERNAME=maintenance_username /qr /l*v CompletePathForLogFile"`
	
	Example:
	
	`OnCommandUnifiedManager.exe /s /v"MYSQL_PASSWORD=netapp21! INSTALLDIR=\"C:\Program Files\NetApp\" MYSQL_DATA_DIR=\"C:\ProgramData\MYSQL\MySQLServer\" MAINTENANCE_PASSWORD=* MAINTENANCE_USERNAME=admin /qr /l*v C:\install.log"`

The `/qr` option enables quiet mode with a reduced user interface. A basic user interface is displayed, which shows the installation progress. You are not prompted for inputs. If third-party packages such as JRE, MySQL, and 7zip are not pre-installed, you must use the `/qr` option. Installation fails if the `/qn` option

is used on a server where third-party packages are not installed.

The `/qn` option enables quiet mode with no user interface. No user interface or details are displayed during installation. You must not use the `/qn` option when third-party packages are not installed.

3. Log in to the Unified Manager web user interface by using the following URL:

   `https://IP address`

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