Set up required software

Active IQ Unified Manager

NetApp
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Set up required software for Unified Manager

The system must have access to certain repositories and packages so that the installation program can access and install all required software dependencies.

Manually configure the EPEL repository

If the system on which you are installing Unified Manager does not have access to the Extra Packages for Enterprise Linux (EPEL) repository, then you must manually download and configure the repository for a successful installation.

The EPEL repository provides access to the required third-party utilities that must be installed on your system. You use the EPEL repository to install Unified Manager on a Red Hat Enterprise Linux system.

Steps

1. Download the EPEL repository for your installation. For version 8, download it from:

   ```
   wget https://dl.fedoraproject.org/pub/epel/epel-release-latest-8.noarch.rpm
   ```

   For version 9, download it from:

   ```
   wget https://dl.fedoraproject.org/pub/epel/epel-release-latest-9.noarch.rpm
   ```

2. Configure the EPEL repository:

   ```
   yum install epel-release-latest-<version>.noarch.rpm
   ```

For Red Hat Enterprise Linux 8 systems, if you have internal repositories with modular RPM packages, for example, *javapackages-filesystem-<version>.module.rpm*, ensure that the metadata for the modular packages is also available in the same repository.

Manually configure the MySQL repository

If the system on which you are installing Unified Manager does not have access to the MySQL Community Edition repository, then you must manually download and configure the repository for a successful installation.

The MySQL repository provides access to the required MySQL software that must be installed on your system.

> This task might fail if the system does not have the internet connectivity. Refer to the MySQL documentation if the system on which you are installing Unified Manager does not have the internet access.

Steps

1. Download the appropriate MySQL repository for your installation. For version 8, download it from:

   ```
   wget http://repo.mysql.com/yum/mysql-8.4-community/el/8/x86_64/mysql84-community-release-el8-1.noarch.rpm
   ```

For version 9, download it from:

```
wget http://repo.mysql.com/yum/mysql-8.4-community/el/9/x86_64/mysql84-community-release-el9-1.noarch.rpm
```

2. Configure the MySQL repository:

```
yum install mysql84-community-release-.noarch.rpm
```

For a Red Hat Enterprise Linux 8 system, if you have internal repositories with java-17-openjdk, 7-zip, and other software packages provided by the AppStream repository, you must disable your AppStream repository and install MySQL Community Server. Run the following command:

```
# sudo yum --disablerepo=rhel-8-for-x86_64-appstream-rpms install  mysql-community-server
```

If you receive an error on missing key or key mismatch, and your installation fails, try these steps:

- On a connected system, import the updated MySQL key by running the following command:

```
rpm --import https://repo.mysql.com/RPM-GPG-KEY-mysql-<xxxx>

for example:

rpm --import https://repo.mysql.com/RPM-GPG-KEY-mysql-2023
```

- On a system that does not have internet connectivity, update your MySQL repo file and disable `gpgcheck` by marking `gpgcheck=0`.

Configure the 7-zip software package for Unified Manager

To successfully install Unified Manager on a Red Hat Enterprise Linux system, your system must be set up with access to the 7-zip software package. If network access is available and the 7-zip URL is unblocked by a firewall, 7-zip downloads automatically to your system during an installation or upgrade process. NetApp recommends the automatic download method.

Ensure the following URL is unblocked in your firewall to allow Unified Manager to automatically download the 7-zip software package: `https://7-zip.org/a/7z2301-linux-x64.tar.xz`

Alternatively, you can pre-install 7-zip.

Pre-install the 7-zip package

You can pre-install 7-zip by downloading it manually or by using a bundled script. Choose from one of the following two methods:

Download using a bundled script

Step

1. Run the `install7zip.sh` script that is included in the Unified Manager zip file.

Download manually

Ensure you download the 7-zip package only from the official website.

Steps

1. Download the 7-zip package (version 23.01) from the official site:

   https://7-zip.org/a/7z2301-linux-x64.tar.xz

2. Copy the file to your RHEL virtual machine:

   ```
   7z2301-linux-x64.tar.xz
   ```

3. Extract the archive:

   ```
   sudo tar -xf 7z2301-linux-x64.tar.xz
   ```

4. Move the `7zz` file to the `/usr/bin/` directory:

   ```
   sudo cp 7zz /usr/bin/
   ```

5. Set executable permissions:

   ```
   sudo chmod 755 /usr/bin/7zz
   ```

Verify the installation

Verify that the 7-zip package has been successfully installed on your system:

```
7zz -version
```

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