Get started

Active IQ Unified Manager

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Get started

Get started with Active IQ Unified Manager on VMware vSphere

You can download the `.tar` file that contains a root certificate, a `README` file, and an `OVA` file, and deploy the Unified Manager as a virtual appliance.

System requirements

- Operating system: VMware ESXi 9.x or 8.x
- RAM: 12 GB
- CPU: 9572 MHz total
- Free disk space: 5 GB (thin provisioning), 152 GB (thick provisioning)

For detailed system requirements, see the Requirements for installing Unified Manager and Interoperability Matrix.

Install Active IQ Unified Manager

Download the installer

1. Download the `.tar` file that contains a root certificate, a `README` file, and an `OVA` file.
2. Save the file to a local directory or network directory that is accessible to your vSphere Client.
3. In the directory where you downloaded the `.tar` file, enter the `tar -xvzf ActiveIQUnifiedManager-<version>.tar.gz` command.
   The required `OVA` file, a root certificate, and a `README` file are unzipped to the target directory.

Verify integrity

You can verify the integrity of the `OVA` file by following the steps provided in the `README` file.

Install Unified Manager

1. In the vSphere Client, click **File > Deploy OVF Template**.
2. Locate the OVA file and use the wizard to deploy the virtual appliance on the ESXi server.
3. On the Review Details page, in the Publisher section, the message `Entrust Code Signing - OVCS2 (Trusted certificate)` confirms the integrity of the downloaded `OVA` file. For the message `Entrust Code Signing - OVCS2 (Invalid certificate)`, upgrade the VMware vCenter Server to 7.0U3E or greater version.
4. On the Customize Template page, in the Properties tab, populate the fields as required for the type of installation you are performing:
   - For static configuration, enter the required information in all the fields. Adding information for the **Secondary DNS** field is not required.
   - For DHCP using IPv4, do not add any information in any field.

    - For DHCP using IPv6, check the “Enable Auto IPv6 addressing” box. Do not add any information in any other field.
5. Power on the VM.
6. Click the Console tab to view the initial boot process.
7. Configure the time zone.
8. Enter a Unified Manager maintenance user name and password.

At the end of the installation, the information to connect to the Unified Manager web UI is displayed.

Get started with Active IQ Unified Manager on Linux

You can download the installation package and install Unified Manager on a physical or virtual Red Hat Enterprise Linux platform.

System requirements

- Operating system: Red Hat Enterprise Linux versions 8.x and 9.0 to 9.8, based on x86_64 architecture, installed using the "Server with GUI" base environment from the **Software Selection** option of the OS installer
- RAM: 12 GB, CPU: 9572 MHz total
- Free disk space: 100 GB of disk space in the `/opt/netapp/data` directory, 50 GB in the root partition. For separately mounted `/opt` and `/var/log` directories, ensure that `/opt` has 15 GB, `/var/log` has 16 GB, and `/tmp` has 10 GB of free space.

For detailed system requirements and for information about installing the product in a secured site, see the Requirements for installing Unified Manager and the Interoperability Matrix.

Install Active IQ Unified Manager

Download the installer

1. Download the `ActiveIQUnifiedManager-<version>.zip` installation package along with code signing certificate (`.pem`) and digital signature (`.sig`) .
2. In the directory where you have downloaded the installation file, run:

```
# unzip ActiveIQUnifiedManager-<version>.zip
```

Verify integrity

Run the following commands to verify the integrity of the installer package:

- Run `openssl x509 -pubkey -noout -in AIQUM-RHEL-CLIENT-INTER-ROOT.pem > <public_key_file_name>` to create a file with the public key from the code signing certificate.
- Run `openssl dgst -sha256 -verify <public_key_file_name> -signature <signature_file_name> ActiveIQUnifiedManager-<version>.zip` to verify the signature on the installer package.

Verify repository configuration

The procedures for configuring a Red Hat Enterprise Linux repository is site specific. You can use the `pre_install_check.sh` script included in the installation package to verify the configuration of your operating system. If your system is connected to the internet, you automatically receive instructions for setting up the Red Hat Enterprise Linux repository.

```
# sudo ./pre_install_check.sh
```

Install Unified Manager

Unified Manager uses the `yum` utility to install the software and any dependent software. Because there are varying images of Red Hat Enterprise Linux, the packages installed depend on the software present in the images. The `yum` utility determines the dependent software packages for installation. If you need more information on the dependent software packages, see the Linux software and installation requirements.

To install Unified Manager, run the following command, either as the root user or using `sudo`, from the directory where the installation file was unzipped:

```
# yum install netapp-um<version>.x86_64.rpm
```

or

```
% sudo yum install netapp-um<version>.x86_64.rpm
```

At the end of the installation, the information to connect to the Unified Manager web UI is displayed. If you are unable to connect to the web UI, refer to the `README` file packaged with the software for more information about port 443 restrictions.

Get started with Active IQ Unified Manager on Windows

You can download the installation package and install Unified Manager to monitor and troubleshoot data storage capacity, availability, performance, and protection issues.

System requirements

- Operating Systems
  - Microsoft Windows Server 2019 Standard and Datacenter Edition
  - Microsoft Windows Server 2022 Standard and Datacenter Edition

    Unified Manager is supported on 64-bit Windows operating systems for the following languages:

  - English
  - Japanese
  - Simplified Chinese
- RAM: 12 GB
- CPU: 9572 MHz total
- Free disk space: 100 GB of disk space for the installation directory, 50 GB of disk space for the MySQL data directory

For detailed system requirements, see the Requirements for installing Unified Manager and Interoperability Matrix.

Install Active IQ Unified Manager

Download the installer

1. Download the `ActiveIQUnifiedManager-<version>.exe` installation package.
2. Copy the installation file to a directory on the target system.

Install Unified Manager

For installing Unified Manager, ensure that you have Microsoft .NET 4.5.2, or a later version installed. As a part of the installation process, Unified Manager installs other third-party packages as required. For more information about the dependent software packages, refer to the Windows software and installation requirements.

1. Log in to Windows using the default local administrator account.
2. In the directory where you downloaded the installation file, right-click and run the Unified Manager executable (.exe) file as an administrator.
3. When prompted, enter the user name and password to create the Unified Manager maintenance user.
4. In the Database Connection wizard, enter the MySQL root password.
5. Follow the remaining prompts to complete the installation.
6. Click **Finish** at the end of the installation and the Unified Manager web UI is displayed.

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