

Dell EMC OpenManage Ansible Modules

Version 1.0.2 Installation Guide

Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

Dell EMC OpenManage Ansible Modules

Version 1.0.2

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Overview

Dell EMC OpenManage Ansible Modules allows Data Center and IT administrators to use RedHat Ansible to automate and orchestrate the configuration, deployment, and update of Dell EMC PowerEdge Servers (12th generation of PowerEdge servers and later) by leveraging the management automation capabilities in-built into the integrated Dell Remote Access Controller (iDRAC).

This installation guide provides information about installation and uninstallation of Dell EMC OpenManage Ansible Modules.

In addition to dell.com/support, Ansible modules can also be downloaded from <https://github.com/dell/Dell-EMC-Ansible-Modules-for-iDRAC>. Modules downloaded from this Github location are supported by Dell EMC.

Topics:

- [Prerequisites](#)
- [OpenManage Ansible Modules Support Matrix](#)

Prerequisites

Following are the requirements to install Dell EMC OpenManage Ansible Modules:

- Ensure that you install Ansible version 2.2 or later.
- Install the latest version of OpenManage Python Software Development Kit (OMSDK).
 - ① **NOTE:** To install OMSDK, run `pip install omsdk==1.1.249`.
 - ① **NOTE:** To uninstall OMSDK, run `pip uninstall omsdk`.
- Ensure that you install Python version 2.7.5 or later.
- ① **NOTE:** Ensure that either internet connectivity exists or the local Python Package Index (PyPI) repository exists.
- ① **NOTE:** In the 14th Generation of PowerEdge Servers, WSMAN runs as non-root user and you need to set 644 as a permission on the share to access the files.

OpenManage Ansible Modules Support Matrix

Table 1. Software

| | |
|-----------------------------------|--|
| Python Version | 2.7.5 and above |
| Supported Operating System | <ul style="list-style-type: none"> • Red Hat Enterprise Linux (RHEL) 7.5 • SLES 12 SP3 |

Table 2. Hardware

| | |
|--------------------------------------|------------------------------------|
| Dell EMC Device | Supported Firmware Versions |
| 12th generation of PowerEdge servers | 2.50.50.50 and 2.41.40.40 |

| | |
|--------------------------------------|---|
| 13th generation of PowerEdge servers | 2.50.50.50 and 2.41.40.40 |
| 14th generation of PowerEdge servers | 3.17.17.17, 3.15.15.15, 3.11.11.11 and 3.00.00.00 |

Installing Dell EMC OpenManage Ansible Modules

You can install OpenManage Ansible Modules in two different ways:

- [Installation from Dell support site](#)
- [Installation from Github](#)

Topics:

- [Installing Dell EMC OpenManage Ansible Modules from Dell support site](#)
- [Installing Dell EMC OpenManage Ansible Modules from GitHub](#)

Installing Dell EMC OpenManage Ansible Modules from Dell support site

To install Dell EMC OpenManage Ansible Modules from Dell support site:

- 1 Go to Dell.com/Support/Home.
- 2 In the **Choose from all products** section, click **Software & Security**.
- 3 In the **Software & Security** group box, click **Enterprise Systems Management**.
- 4 To download the product, click the required product version.
The **Product Support** page is displayed.
- 5 Download the **DellEMC_OpenManage_Ansible_Modules_version_1.0.116** file from the support site.
- 6 Copy the file to any local directory of **Ansible Controller Machine**.
- 7 Run `tar -zxvf DellEMC_OpenManage_Ansible_Modules_version_1.0.116_A00.tar.gz`.
- 8 Navigate to the **DellEMC_OpenManage_Ansible_Modules_version_1.0.116** directory.
library, **utils**, **Copying.txt**, **Dell_EMCAnsible_Modules_v1.0.1-Readme.txt**, **install.py**, **properties.json**, and **uninstall.py** files are extracted.
- 9 Run `python install.py`. If you are using python version 3.x, then run `python3 install.py`.

Dell EMC OpenManage Ansible Modules is installed successfully.

Installing Dell EMC OpenManage Ansible Modules from GitHub

If you want to take advantage of the new features when they are implemented, then you can go to the GitHub repository using the given steps. You can either clone the repository or download a specific release.

NOTE: Download and install the latest version of the OpenManage Python SDK. See <https://github.com/dell/omsdk> for information about installing the latest version of OpenManage Python SDK.

- To install the latest development version:

```
# Clone the development branch
git clone -b devel --single-branch https://github.com/dell/Dell-EMC-Ansible-Modules-for-iDRAC.git
```

```
cd Dell-EMC-Ansible-Modules-for-iDRAC
```

```
# Install the latest version. Run the below command using the sudo or super-user privileges if  
Ansible is installed using root permission.  
python install.py
```

① **NOTE:** If previous version of Dell EMC OpenManage Ansible Modules is installed, you will be prompted with an upgrade message. Press Y to upgrade to the latest development version.

- To install the latest stable version:

```
# Clone the master branch
```

```
git clone https://github.com/dell/Dell-EMC-Ansible-Modules-for-iDRAC.git
```

```
cd Dell-EMC-Ansible-Modules-for-iDRAC
```

```
# Install the latest version. Run the below command using the sudo or super-user privileges if  
Ansible is installed using root permission.  
python install.py
```

- To install a specific release:

```
# Clone v1.0.2 release version
```

```
git clone -b v1.0.2 --single-branch https://github.com/dell/Dell-EMC-Ansible-Modules-for-iDRAC.git
```

```
cd Dell-EMC-Ansible-Modules-for-iDRAC
```

```
# Install the latest version. Run the below command using the sudo or super-user privileges if  
Ansible is installed using root permission.  
python install.py
```

① **NOTE:** If previous version of Dell EMC OpenManage Ansible Modules is installed, you will be prompted with an upgrade message. Press Y to upgrade to the latest development version.

① **NOTE:** The above example clones the v1.0.2 release.

Uninstalling Dell EMC OpenManage Ansible Modules

You can uninstall OpenManage Ansible Modules in two different ways based on the location you have downloaded it from.

Topics:

- [Uninstalling Dell EMC OpenManage Ansible Modules when downloaded from Dell support site](#)
- [Uninstalling Dell EMC OpenManage Ansible Modules when downloaded from Github](#)

Uninstalling Dell EMC OpenManage Ansible Modules when downloaded from Dell support site

To uninstall Dell EMC OpenManage Ansible Modules when downloaded from the Dell support site:

- 1 Navigate to the directory `DellEMC_OpenManage_Ansible_Modules_version_1.0.116`.
- 2 Run `python uninstall.py`. If you are using python version 3.x, then run `python3 uninstall.py`.

Dell EMC OpenManage Ansible Modules is uninstalled successfully.

Uninstalling Dell EMC OpenManage Ansible Modules when downloaded from Github

To uninstall Dell EMC OpenManage Ansible Modules when downloaded from Github:

- 1 Navigate to the directory `Dell-EMC-Ansible-Modules-for-iDRAC`.
- 2 Run `python uninstall.py`. If you are using python version 3.x, then run `python3 uninstall.py`.

Dell EMC OpenManage Ansible Modules is uninstalled successfully.