

Dell EMC OpenManage Ansible Modules

Version 1.0.1 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 1.0.1

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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 **NOTE:** To uninstall OMSDK, run `pip uninstall omsdk`.
- Ensure that you install Python version 2.7 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 and above
Supported Operating System	<ul style="list-style-type: none"> • Red Hat Enterprise Linux (RHEL) 7.3 • 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 1.0.1 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 following steps and either clone the repository or download a specific release.

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

- To install the latest stable version:

```
# Uninstall the previous version of the modules

# 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 the latest development version:

```
# Uninstall the previous version of the modules

# 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
```

- To install a specific release:

```
# Uninstall the previous version of the modules

# Clone v1.0.1 release version
git clone -b v1.0.1 --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
```

NOTE: The above example clones the v1.0.1 release.

Uninstalling Dell EMC OpenManage Ansible Modules version 1.0.1

To uninstall Dell EMC OpenManage Ansible Modules version 1.0.1.

- 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 version 1.0.1 is uninstalled successfully.