

Dell EMC OpenManage Ansible Modules

Version 1.3 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.

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Version 1.3

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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).

With the latest release of Dell EMC OpenManage Ansible Modules, the capabilities have improved with support for OpenManage Enterprise. OpenManage Ansible Modules allows users to retrieve device inventory, configure, and update firmware of devices managed by OpenManage Enterprise.

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

The latest stable version of OpenManage Ansible Modules is available at dell.com/support. In addition to dell.com/support, you can download OpenManage Ansible modules from <https://github.com/dell/dellemc-openmanage-ansible-modules>. Modules that are 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 2.7.5 or later.
- Ensure that you install Python version 2.7.5 or later.

For OpenManage Ansible modules for iDRAC, install the supported version of OpenManage Python Software Development Kit (OMSDK).

NOTE: To install OMSDK, run `pip install omsdk`.

NOTE: Ensure that either internet connectivity exists or the local Python Package Index (PyPI) repository exists.

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.

NOTE: It is recommended to update the ansible configuration setting environment variables to point to the current module paths, if any.

OpenManage Ansible Modules Support Matrix

Table 1. Control Machine Requirements

Python Version	Supported Operating System
2.7.5 and later	<ul style="list-style-type: none"> • Red Hat Enterprise Linux (RHEL) 7.6 and above • SLES 15

Table 2. Managed Node Requirements

Dell EMC Device	Supported Firmware Versions
12 th and 13 th generations of PowerEdge servers	2.60.60.60 and above
14 th generation of PowerEdge servers	3.21.21.21 and above

Install Dell EMC OpenManage Ansible Modules version 1.3 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.

- To install the latest development version:

```
# Clone the development branch
git clone -b devel --single-branch https://github.com/dell/dellemc-openmanage-ansible-modules

cd dellemc-openmanage-ansible-modules

# 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: If previous version of Dell EMC OpenManage Ansible Modules is installed, you are prompted with an upgrade message. Press Y to upgrade to the latest version.

- To install the latest stable version:

```
# Clone the master branch
git clone https://github.com/dell/dellemc-openmanage-ansible-modules

cd dellemc-openmanage-ansible-modules

# 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 v1.3 release version
git clone -b v1.3 --single-branch https://github.com/dell/dellemc-openmanage-ansible-modules

cd dellemc-openmanage-ansible-modules

# 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: If previous version of Dell EMC OpenManage Ansible Modules is installed, you are prompted with an upgrade message. Press Y to upgrade to the latest version.

NOTE: The above example clones the v1.3 release.

Uninstall Dell EMC OpenManage Ansible Modules version 1.3 when downloaded from GitHub

To uninstall Dell EMC OpenManage Ansible Modules version 1.3 when downloaded from GitHub:

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

Dell EMC OpenManage Ansible Modules version 1.3 is uninstalled successfully.