Dell EMC OpenManage Ansible Modules

Version 1.0.2 Installation Guide

DELLEMC

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.**

Contents

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.

The latest stable version of OpenManage Ansible Modules is available at dell.com/support. In addition to dell.com/support, OpenManage Ansible modules can also be downloaded from github.com/dell/Dell-EMC-Ansible-Modules-for-iDRAC. Modules downloaded from this Github location are supported by Dell EMC.

Topics:

Prerequisites

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

• Ensure that you install Ansible version 2.3 or later.
• Ensure that you install Python version 2.7.5 or later.
• Install the latest version of OpenManage Python Software Development Kit (OMSDK). See github.com/dell/omsdk/tree/devel for information about installing 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.

OpenManage Ansible Modules Support Matrix

Table 1. Software

Python Version	2.7.5 and above
Supported Operating System	• 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

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/Dell-EMC-Ansible-Modules-for-iDRAC

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: 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 version.

- To install the latest stable version:

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

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

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: 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 version.

ⓘ NOTE: The above example clones the v1.0.2 release.

Uninstalling Dell EMC OpenManage Ansible Modules

To uninstall Dell EMC OpenManage Ansible Modules:

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.