

# Dell EMC OpenManage Ansible Modules

Version 1.0.4 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 1.0.4

© Copyright 2018 Dell Inc.

GNU General Public License v3.0+ (see COPYING or <https://www.gnu.org/licenses/gpl-3.0.txt>)

All rights reserved. Dell, EMC, and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be trademarks of their respective owners.

# Contents

- 1 Overview.....4**
  - Prerequisites.....4
  - OpenManage Ansible Modules Support Matrix.....4
- 2 Installing Dell EMC OpenManage Ansible Modules..... 5**
- 3 Uninstalling Dell EMC OpenManage Ansible Modules..... 6**

# 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](https://dell.com/support). In addition to [dell.com/support](https://dell.com/support), you can download OpenManage Ansible modules from [github.com/dell/Dell-EMC-Ansible-Modules-for-iDRAC](https://github.com/dell/Dell-EMC-Ansible-Modules-for-iDRAC). 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 2.3 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](https://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. Control Machine Requirements**

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

**Table 2. Managed Node Requirements**

|  |                                    |
|--|------------------------------------|
| <b>Dell EMC Device</b>   | <b>Supported Firmware Versions</b> |
| 12 <sup>th</sup> and 13 <sup>th</sup> generations of PowerEdge servers | 2.50.50.50 and 2.60.60.60          |
| 14 <sup>th</sup> generation of PowerEdge servers                       | 3.18.18.18 and 3.21.21.21          |

# 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
```

① **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/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 v1.0.4 release version
git clone -b v1.0.4 --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
```

① **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.

① **NOTE:** The above example clones the v1.0.4 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.