Dell EMC OpenManage Ansible Modules Version 4.0.0

Installation Guide

DELLEMC

Notes, cautions, and warnings

(i) **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 and modular infrastructure by leveraging the management automation capabilities in-built into the Integrated Dell Remote Access Controller (iDRAC), OpenManage Enterprise and OpenManage Enterprise Modular.

OpenManage Ansible Modules simplify and automate provisioning, deployment, and update of PowerEdge servers and modular infrastructure. It allows system administrators and software developers to introduce the physical infrastructure provisioning into their software provisioning stack, integrate with existing DevOps pipelines and manage their infrastructure using version-controlled playbooks, server configuration profiles, and templates in line with the **Infrastructure-as-Code** (IaC) principles.

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 GitHub and Ansible Galaxy. Dell EMC supports modules that are downloaded from both GitHub and Galaxy locations.

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 4.3.0 and later.
- Ensure that you install Python version 2.7.17 and later or 3.9.5 and later.

To run the iDRAC modules, install OpenManage Python Software Development Kit (OMSDK) using either `pip install omsdk --upgrade` or `pip install -r requirements.txt`. OMSDK can also be installed from https://github.com/dell/omsdk

OpenManage Ansible Modules support matrix

Control Machine Requirements

Table 1. Control Machine Requirements

Python Version	Supported Operating System
2.7.17 and later or 3.9.5 and later	- Red Hat Enterprise Linux (RHEL) 8.4 - Red Hat Enterprise Linux (RHEL) 8.3 - SUSE Linux Enterprise Server 15 SP2 - SUSE Linux Enterprise Server 15 SP1 - Ubuntu 20.04.2 - Ubuntu 20.04.1

Supported iDRAC firmware version

Table 2. Supported iDRAC firmware version

PowerEdge Servers	Supported Firmware Version
iDRAC9 based Dell EMC PowerEdge Servers	4.40.40.00 and later
iDRAC8 based Dell EMC PowerEdge Servers	2.75.75.75 and later
iDRAC7 based Dell EMC PowerEdge Servers	2.63.60.62 and later

Supported OpenManage Enterprise and OpenManage Enterprise-Modular versions

Dell EMC OpenManage Enterprise version 3.6.1 and above, and Dell EMC OpenManage Enterprise-Modular versions 1.30.00 and above are supported.

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Installing Dell EMC OpenManage Ansible Modules version 4.0.0

You can install OpenManage Ansible Modules version 4.0.0 from Dell support site, GitHub, or Ansible Galaxy.

ⓘ **NOTE:** Ansible collection does not support uninstallation command at this point. To uninstall the OMAM collection, delete the collection manually from the installed location.

Topics:

Install Dell EMC OpenManage Ansible Modules from Dell support site

1. Go to Dell.com/Support.
2. Perform one of the following actions:
    *   Enter the Service Tag of your Dell EMC PowerEdge device, and then click **Search**.
    *   Select **Browse all products** > **Servers** > **PowerEdge**, and select the appropriate model of your PowerEdge device.
3. On the support page of your PowerEdge device, select **Drivers & Downloads**.
4. In the **Category** list, select **Systems Management**.
    The supported version of OpenManage Ansible Modules is displayed.
5. Download the `dellemc-openmanage-4.0.0_A00.tar.gz` file.
6. Copy the file to any local directory of **Ansible Controller Machine**.
7. Run `ansible-galaxy collection install dellemc-openmanage-4.0.0_A00.tar.gz`.

    ⓘ **NOTE:** For the force installation of the OpenManage Ansible collection, add **-f** at the end of the commands.

8. Run the following command to confirm if the Dell EMC OpenManage collection is installed:

    ```
    ansible-galaxy collection list dellemc.openmanage
    ```

Dell EMC OpenManage Ansible Modules version 4.0.0 is installed successfully. You can view the collections in the following path:

```
~/.ansible/collections/ansible_collections/dellemc/openmanage/
```

Install Dell EMC OpenManage Ansible modules from Ansible Galaxy

1. Do one of the following:
    *   For online installation, run the following command:

        ```
        ansible-galaxy collection install dellemc.openmanage
        ```

- For offline installation on the Ansible control machine, download the required tar archive version of the collection from Dell EMC OpenManage collection and run the following command:

```
ansible-galaxy collection install dellemc-openmanage-<version>.tar.gz
```

ⓘ **NOTE:** For the force installation of the OpenManage Ansible collection, add **-f** at the end of the commands.

2. Run the following command to confirm if the Dell EMC OpenManage collection is installed:

```
ansible-galaxy collection list dellemc.openmanage
```

Dell EMC OpenManage collection version 4.0.0 are installed. You can view the collections in the following path:

```
~/.ansible/collections/ansible_collections/dellemc/openmanage/
```

Install Dell EMC OpenManage Ansible collections from GitHub

1. Run the following command on the terminal:

```
ansible-galaxy collection install git+https://github.com/dell/dellemc-openmanage-
ansible-modules.git,collections
```

2. Run the following command to confirm if the Dell EMC OpenManage collection is installed:

```
ansible-galaxy collection list dellemc.openmanage
```

Dell EMC OpenManage collection version 4.0.0 are installed. You can view the collections in the following path:

```
~/.ansible/collections/ansible_collections/dellemc/openmanage/
```