Dell EMC OpenManage Ansible Modules

Version 2.1.3 Installation Guide

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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 2.1.2

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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 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 dell.com/support. In addition to dell.com/support, you can download OpenManage Ansible modules fromhttps://github.com/dell/dellemc-openmanage-ansible-modules/tree/master. Dell EMC supports modules that are downloaded from this GitHub location only.

Topics:

Prerequisites

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

- Ensure that you install any Ansible version between 2.8.4 to 2.9.14.
- Ensure that you install Python version 2.7.17 and later or 3.6.5 and later.

To run the iDRAC modules, install OpenManage Python Software Development Kit (OMSDK) using `pip install omsdk --upgrade` or from https://github.com/dell/omsdk

NOTE: In the iDRAC9 based PowerEdge Servers, WSMan runs as non-root user and you must set 777 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.

NOTE: Modules are installed directly to the custom path if it was set using the ANSIBLE_LIBRARY environment.

OpenManage Ansible Modules support matrix

Table 1. Control Machine Requirements

Python Version	Supported Operating System
2.7.17 and later or 3.6.5 and later	• Red Hat Enterprise Linux (RHEL) 8.2 • SLES 15 SP1 • Ubuntu 20.04

For managed node, the following iDRAC firmware versions are supported:

- 2.60.60.60 and above on supported families of PowerEdge servers
- 3.34.34.34 and above on supported families of PowerEdge servers

Dell EMC OpenManage Enterprise version 3.2.1 and above, and Dell EMC OpenManage Enterprise-Modular versions 1.20.00 and above are supported.

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Installing Dell EMC OpenManage Ansible Modules version 2.1.3 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 https://github.com/dell/dellemc-openmanage-ansible-modules

cd dellemc-openmanage-ansible-modules

# Install the modules. 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 a specific release:

```
# Clone v2.1.3 release version
git clone -b v2.1.3 --single-branch https://github.com/dell/dellemc-openmanage-
ansible-modules

cd dellemc-openmanage-ansible-modules

# Install the modules. 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 v2.1.3 release.

NOTE: The script overwrites modules present in the `remote_management/dellemc` folder with the updated versions.

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Uninstalling Dell EMC OpenManage Ansible Modules version 2.1.3 when downloaded from GitHub

To uninstall Dell EMC OpenManage Ansible Modules version 2.1.3 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 are uninstalled successfully.