

Ansible Installation in Linux

When you have compared and weighed your options and decided to go for Ansible. Then installed it on your system. Let's go step by step of the installation in different Linux distributions, such as:

Prerequisites

1. PyYAML: a YAML parser and emitter for the python programming language.
2. Httplib2: a comprehensive HTTP client library.
3. paramiko: native python SSHv2 protocol library.
4. Distro: RHEL/ CentOS/ Debian/ Ubuntu Linux.
5. Jinja2: a modern and designer friendly templating language for python.
6. sshpass: a non-interactive ssh password authentication.

Install Ansible on RedHat/Centos systems

Step 1: Install the EPEL repo

```
[root@ansible-server ~]# sudo yum install epel-release
```

Step 2: Install the Ansible package.

```
[root@ansible-server ~]# sudo yum install -y ansible
```

Install Ansible on Debian/Ubuntu systems

Step 1: First perform an update to the packages

```
$ sudo apt update
```

Step 2: Then install the software properties common package.

```
$ sudo apt install software-properties-common
```

Step 3: And install the Ansible personal package archive.

```
$ sudo apt-add-repository ppa:ansible/ansible
```

Step 4: Install the Ansible.

```
$ sudo apt update  
$ sudo apt install ansible
```

Install Ansible using pip

The pip command is a tool for installing and managing python packages.

Step 1: This given method works on the Linux and UNIX like systems.

```
$ sudo pip install ansible
```

Install the latest version of Ansible

Using Portage (Gentoo)

```
$ emerge -av app-admin/ansible
```

To install the latest version, you need to unmask the Ansible package prior to emerging:

```
$ echo 'app-admin/ansible' >> /etc/portage/package.accept_keywords
```

Using pkg (FreeBSD)

Ansible works with both python 2 and 3 version, FreeBSD has different packages for each python version. To install you can use:

```
$ sudo pkg install py27-ansible
```

Or

```
$ sudo pkg install py36-ansible
```

You can also to install from ports:

```
$ sudo make -C /usr/ports/sysutils/ansible install
```

Using OpenCSW (Solaris)

The Ansible is available for Solaris as SysV package from openCSW:

```
# pkgadd -d http://get.opencsw.org/now  
# /opt/csw/bin/pkgutil -i ansible
```

Using Pacman (Arch Linux)

Ansible is available in the community repository:

```
$ pacman -S ansible
```

Using sbopkg (Slackware Linux)

Ansible build script is available in the SlackBuilds.org repository. Also can be built and installed using sbopkg.

Step 1: Create queue with Ansible and all dependencies.

```
# sqg -p ansible
```

Step 2: Build and install packages from created queue file.

```
# sbopkg -k -i ansible
```

Using swupd (Clear Linux)

Step 1: Ansible and its dependencies are available as part of the sysadmin host management bundle.

```
$ sudo swupd bundle-add sysadmin-hostmgmt
```

Step 2: And update of the software will be managed by the swupd tool.

```
$ sudo swupd update
```

Installing

By using yum

On Fedora:

```
$ sudo dnf install python-argcomplete
```

On RHEL and CentOS:

```
$ sudo yum install epel-release  
$ sudo yum install python-argcomplete
```

By using apt

```
$ sudo apt install python-argcomplete
```

By using pip

```
$ pip install argcomplete
```