DevOps Certification Training

Ansible Installation Guide

Installing and upgrading Ansible

Locating Python

Locate and remember the path to the Python interpreter you wish to use to run Ansible. The following instructions refer to this Python as `python3`. For example, if you've determined that you want the Python at `/usr/bin/python3.9` to be the one that you'll install Ansible under, specify that instead of `python3`.

Ensuring `pip` is available

To verify whether `pip` is already installed for your preferred Python:

```
$ python3 -m pip -V
```

If all is well, you should see something like the following:

```
$ python3 -m pip -V
pip 21.0.1 from /usr/lib/python3.9/site-packages/pip (python 3.9)
```

If so, `pip` is available, and you can move on to the next step.

If you see an error like `No module named pip`, you'll need to install `pip` under your chosen Python interpreter before proceeding. This may mean installing an additional OS package (for example, `python3-pip`), or installing the latest `pip` directly from the Python Packaging Authority by running the following:

```
$ curl https://bootstrap.pypa.io/get-pip.py -o get-pip.py
$ python3 get-pip.py --user
```

You may need to perform some additional configuration before you are able to run Ansible. See the Python documentation on installing to the user site for more information.

Installing Ansible

Use `pip` in your selected Python environment to install the Ansible package of your choice for the current user:

```
$ python3 -m pip install --user ansible
```

Alternately, you can install a specific version of `ansible-core` in this Python environment:

```
$ python3 -m pip install --user ansible-core==2.12.3
```

Upgrading Ansible

To upgrade an existing Ansible installation in this Python environment to the latest released version, simply add `--upgrade` to the command above:

```
$ python3 -m pip install --upgrade --user ansible
```

Confirming your installation

You can test that Ansible is installed correctly by checking the version:

```
$ ansible --version
```

The version displayed by this command is for the associated `ansible-core` package that has been installed.

To check the version of the `ansible` package that has been installed:

```
$ python3 -m pip show ansible
```

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