Project:

Deploy docker container in 2 EC2 instances with ubuntu and redhat OS

Task:

Launch 2 EC2 instances, one with ubuntu OS and another with redhat OS

Create and ansible playbook file

* Install docker
* Install python
* Deploy docker container

Create ansible inventory file to connect ansible file to EC2

Issue faced:

**Packages varies in 2 OS**

Use “when "'Ubuntu' in ansible\_facts['distribution']" to configure package according to OS

For using ansible\_facts, system should have gathered all info beforehand, for which use ansible.builtin.setup:

gather\_subset:

- all

Docker got installed in ubuntu by updating package and using install

**But has not installed in redhat** for which have to install required dependencies like yum-utils, lvm2 etc and should add docker repository

**To run the container**, python needs to be installed in machine

**Machine has no access to run docker containers**, so needs to add user to docker group and restart daemon server

Sometimes required software has already been installed in system and will throw an error when we try to install again, **use ignoreErrors** for rectify that