Configuration Management

Puppet: Pull

1. Master/slave
2. Puppet language

Ansible: Push

1. Code is written in Local laptop and it was pushed
2. Agentiless password less and just add the IP address
3. Auto scaling I also possible by adding or removing the Ip address
4. To support both windows and linux
5. Simple- yaml language
6. Created using modules and

Interview Question:

Programming language ansible is using 🡪 python and our modules

Ansible both linux and windows protocal?

Linux –SSH

Windows –winRM

ID address are placed in inventory file or /etc/ansible/hosts

ansible -i inventory.ini -m ping db

**Groups:**

[app]

ubuntu@publicip

[db]

ubuntu@publicip

Ansible syntax:

Yaml play start with:

---

Name: ‘abhisheka’

Age: 12

Work: true

list

Tasks:

-youtube

-work

Distory:

Address:

Street: 13

City: hyd

State: telagana

-u user

-m module

-e extra-vra

- a argements

-I inventory

Proporitiy:

1. Command line/ args -e
2. Task Level
3. File
4. Prompt
5. Play
6. Inventory
7. role

Variable: {{Devops}}, {{ops}}

To call variables from other folders:

Vars\_files:

* Vars.yaml

ansible\_facts: It collects the all the information of the VM

eg:

* Name: print the stats
* Debug:
* Msg: “{{ ansible\_facts}}”
* Name: install nginx if redhat
* Dnf:
* Name: nginx
* State: present

When: ansible\_OS\_family == “RedHat”

State: present, absent and latest

Become 🡪 yes (sudo permission) no (no sudo access)

Hosts: all and group (name)

Ansible playbook: list of plays

Playbooks

Plays 🡪 host:

Remote-user:

Tasks

Module -🡪 install db

Module 🡪 start db

**Building namespace link:** <https://docs.ansible.com/ansible/latest/collections/ansible/builtin/index.html>