Ansible

Ansible is a provisioning or configuration management tool

We can push whatever software are required across multiple node

Ansible is agentless

No need to install any special software on host machine, just install ansible on master machine

Use SSH to install software, change configuration files, copy files, on Host Machine

We use playbook and install on multiple machines

Key Terminology in Ansible:

1. Master/Control Node (We install ansible here)

2. Managed Nodes (where we want to install software like java, apache, tomcat, weblogic, db server, nodejs, expressjs)

3. Inventory (configuration file containing managed nodes information like IP, Hostname)

4. Modules (Using Copy Files Modules, Install Software module we perfom some task on Host machine)

1. Ansible Master (install ansible and establish ssh connection to agent, run adhoc commands from master to agent, create playbooks, install softwares, copy files)

2. Ansible Agent

Master and Agent Creation on Ubuntu

1. Master
2. Agent

Establish SSH between Master and Agent

Public key on agent

Private key on server