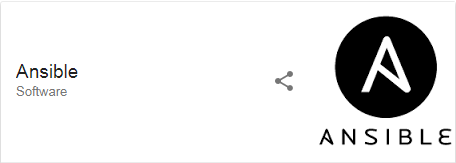
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About Ansible

-- Configuration mgmt tool

-- Software Provision i.e can install softwares

-- Infrastructure Provision i.e can create infrastructure like creating vms,security groups, VPN,NAT Instance ..etc

-- Also can say managing nodes

-- It operates on SSH Connection i.e suppose to software on the target m/c ssh should available.

Ansible Manage Nodes.

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-- Here have one Inventory file or can say hosts file. Here mention target m/c details in this file.

Location of Inventory file: /etc/ansible/hosts

-- In hosts file mentioned group of servers

[myserver]

192.2.33.100

192.2.33.100

[webserver]

webserver.ansible.com1

webserver.ansible.com2

[Dbserver]

Dbserver.ansible.com

dbserver.ansible.com2

Ansible modules

-- To perform actions on target m/c ansible use modules like Install s/w, copy files,template

Ansible commands

ansible groupofservers/ip/dns -m ping

-m file

-m copy

-m setup

Ansible playbooks:

-- run set of commands

Ansible Tests and Tags

Ansible Securing Playbooks - Ansible Vaults

Ansible Roles:

-- structure

Install Ansible:

apt-get update

apt-get install ansible

Verify Version:

Ansible --version

Tasks:

1) Create a playbook to create a folder in target m/c

2) Create a playbook to create a file in target m/c

3) Create a playbook to install wget,git,curl using loops and arrays

4) Create a playbook to create users in target m/c

5) Create a playbook to install apache server

6) Create a playbook to install tomcat server

7) Create a playbook to download artifacts from nexus

8) Run the ansible playbooks from Jenkins.

9) Create a playbook to deploy application in tomcat and apache server

10) Configure DNS in all target nodes

11) Configure Password less authentication.

12) Configure Nginx using Playbook

13) Install Ngnix and apache server using ansible roles