| =7 Ansible :- Configuration management tool |
|---|
| Ra-1/2' |
| => setup => setting up to work with Ansible |
| |
| 1) Create 3 Linux vms in AWS |
| 2-71121 3/2012 |
| 1-) (ontrol Node |
| 2) Setup Oser & Configure user in sudoers file & update SSHD Config File. I fin all 3 vms (realed |
| := |
| ((realt users (Allums) |
| \$ sudo passed ansible |
| 6 configure user en sudoens file f sudo visudo |
| ansible ALL= (ALL) NOPASSWD: ALL |
| C update sound config file |
| sudo vi letcloshloshd_conging & Passion down the ten te 9 |
| Passion P |
| Pennithmpty Passands -> yes |
| d lestant me somme |
| sudo service sound restart |
| |
| 3) Install Ansible in Connol Node |
| a switch to Ansible users |
| & sudo su ansible |
| cd ~ |
| 6) install python |

sudo yum install

pymon3 y

- C) To check python virtion
- (1) Install PIP (Python Padayl momagel)
 \$ sudo your -y "mstall python 3-PiP
- (e) Enstall Ansible using Python PIP

 prips install ansible -- Using
- ansible -- vision
- 6 sudo midir les fonible
- 4) herritale SSH key in Ionino] Node & lopy SSH key into
 - a suitch to ansible users
 \$ sudo su ansible
 - (b) honorate sich kay

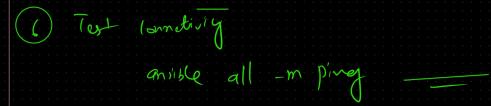
 4 sich-kuygen (after hie just pross onter-enter-enter)
 - (opy it to managed Notes as ansible using

172.31.3.0

172.31.0.88

5) update Host Invintory in Ansible services to add
manged mode services delais-

Sudo vi letclansible/hosts
[websinvas]
invite a magninale
[dbsinvas]
printing & marged hale



Ansible Ad-Hoc commands

============

ansible [all/group-name/host-name/ip] -m <module> -a <args>

ansible all -m ping

We have many modules in ansible to perform configuration management

ping, shell, yum, copy, service

ping module --> \$ ansible all -m ping , ansible webservers -m ping

shell module --> \$ ansible all -m shell -a date ,, \$ ansible all -m shell -a uptime

Yum module --> ansible webservers -b -m yum -a "name=git"

Ansible Playbooks

=========

Playbook is a YAML file which contains one or more tasks

Using Playbook we define what tasks to be performed and where to be performed

Telusto:

id: 4
nome: Harsh
gender: Male
hobbits:
_ (ridut
- chess
_ Rubh

student:
id:4
nome;sushil
ginder: male
address
city: mumbai
comy: India
hobbies:

Not & Endet spaces most impulat in you dile

| employee: id:1 | | |
|---|--|--|
| name: Rohan | | |
| address: city: bengaluru | | |
| country: india | | |
| skills: | | |
| - java | | |
| - python | | |
| - devOps | | |
| : | | |
| | | |
| > start of yml file > end of yml file | | |
| > Cha of yill life | | |
| Writing Playbooks | | |
| 1) Host Section : Depresents target machines to ever | to tasks. This configuration depends on Ancible Inventory file | |
| i) nost section : Represents target machines to execu | te tasks. This configuration depends on Ansible Inventory file | |
| 2) Variable Section : used to declare variables for playbook execution | | |
| 3) Task Section: defines what operations/tasks we want to perform using Ansible | | |
| 3) lask section, defines what operations, tasks we want | t to perform using Ansible | |
| \$ ansible-playbook <playbook-yml-filename></playbook-yml-filename> | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |