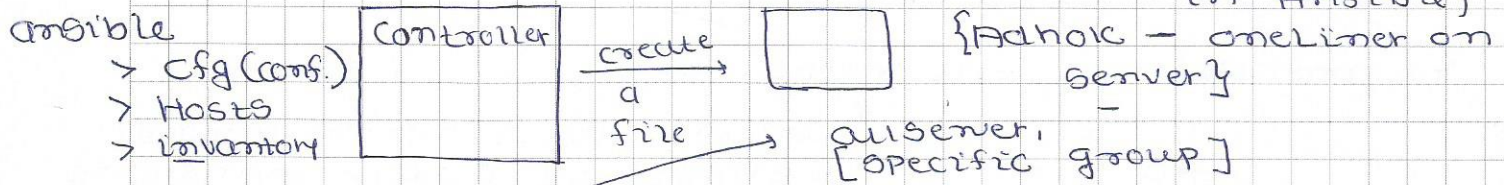


[day-15] [Ansible - Adhoc, Playbook] ①

- execute Adhoc-^{command}
- Create a file, seeing Server memory - execute command
memory utilization
- Adhoc command - create a file (Not Saved anywhere in Ansible)



> ansible all -a "touch /tmp/ravi" # one liner

Which server, you executing this adhoc command

* Something changed.

> ansible all -a "ls -l /tmp"

→ Ravi file created.

> ansible all -a "free -m" (target command, executed Running on P)

> ansible localhost -a "free -m" (Memory Utilization)

> " all -b -a "df -h" (directory Structure)

> " all -b -a "apt-get update"

> ps -ef | grep apache2

Running process. Capitalk Small Root user Normal user Password

become a Root user by default

apt-get install apache2

apt-get install -y apache2

become password: 1k -a "apt-get install -y apache2"

become Root user

will ask yes or no user? (will bypass)

> ansible all -a "curl localhost" -[executed Remote machine] -y (will bypass)

(create file only on one server) > ansible all -a "touch /tmp/test" --limit "3.135.22"

> Limit - the no. of Server where we want to execute task.

> ansible all -a "ls -l /tmp/1"

↑ - Limit

↑ - Serial Fashion

Set target then limit them

> " -a "root /labs/ dockersh"

> Modules → Copy File from one location to other

CP ← [Linux Commands]

1. COPY 3. stat ← {predefine modules} [3000 modules]
2. file 4. find

②

→ Ansible Documentation
Script module ansible

Pre-defined ansible command

> ansible all -m script -a " - - - / sh "

-b
(root user)

↑ consider as a script module
& execute it (after transferring it)
m be (module)

> Script Run it on production machine

> ansible all -b -a "docker version"

* > ansible all -b -m setup (

3.1 → "ansible facts": → OS, disk space, hardware
(info. of remote machine)

> date & time. (ansible collect data from remote machine that is called facts)

> ansible all -b -m Setup (all data) (≈ facts collects) [info. collected from remote machine]

> ansible-doc --list (to show list of modules)

> adhoc (Req. without plane, immediate execution)

> Copy the Feedback to file (> text.data)
(Collect the verbose output & save them to file)

* * Playbook - to -copy (simple scripts set)
[Contains set of activity]

> java, Jenkins. [set of activity]

> copy something on remote machine (cp touch)

> execute task in a single shots. (set of activity performed by administ.)
[what syntax is being used]

> YAML - data structure / serialization lang.)

* yaml syntax → list - dictionary -

who all are in class? →

what you want to execute? → list of fruits.

{environment}

(key-value pair)
(dictionary)

participants (list)

- ravi - ravikiran
- kalyan

→ ravi (want to know about ravi)
→ {name: ravi, cert: doc, occ: trainer}

↑ key-value pair

> list out & add dictionary in

List of fruits
fruits:

- Apple
- Banana

dictionary of martin
martin:

name: Rakesh
Job: Developer
Skills:
- Python

- List
- Dictionary
- Spaces.

* yaml or .yaml

- hosts: all (- Symbol start list)

↑ specific group (all or specific group)

Keywords

become: true (become a root user) (or ignore it)

↳ tasks: (what you want to perform)

- name: copy the data. (any name) (what want
Copy: (module name) where to copy)
src: /root/ravi/~~module~~ inv (copy the file)
dest: /tmp

> ansible-playbook copy.yaml (

task: [Gathering Facts] → By default info.
ok: [3.22.10]

task: [copy the files]
changed: []

Play Recap: *****
3.10.12 :OK=2 Changed=1

> ansible-playbook copy.yaml [P1] Removed Ravi

↳ changed happens at one place. [P2] file (intelligent)

> don't use tab (use dots)

> copy.yaml (aws) [File module]

- hosts: aws
become: yes

tasks:
- name: create new
file:
Path: /tmp/ravifile
state: touch

path: /-
state: directory
state: absent? folder

* - hosts: aws
become: yes
tasks:
- name: Install Git
apt:
- name:

?

* ---

- hosts: aws
tasks:
- name: printing
debug:
message: "hello word"

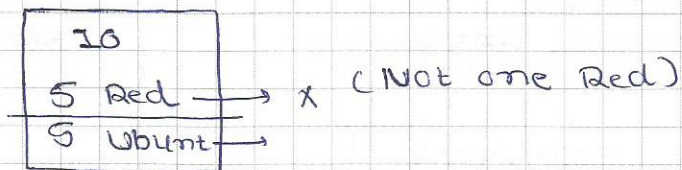
output
↓
to this
variable.

Register: out

⑨ print data out of variables

msg: "{{out}}"

x=5, echo x, echo \$x → ⑤



* Facts (collects Facts & then add conditions)

* when - conditions (conditions)

↳ stats (statistics) → con

getting Facts (once facts are gathered then other things are possible)