

Lab1- Ansible Ad-Hoc Commands

Steps to follow

1. Login on Master node
2. Change your directory
cd platform/

3. Ping hosts

ansible <node_name> -i hosts -m <MODULE_NAME>

Values:

*<NODE_NAME> = node1 or webservers or all
<MODULE_NAME> = ping*

4. Let's try to ping a group of servers <webservers>

ansible <group_name> -i hosts -m ping

Options:

- m module name
- a module arguments
- i specify inventory

```

devops@master:~$ cd platform/
devops@master:~/platform$ ansible node1 -i hosts -m ping
node1 | SUCCESS => {
    "changed": false,
    "ping": "pong"
}
devops@master:~/platform$ ansible webservers -i hosts -m ping
node1 | SUCCESS => {
    "changed": false,
    "ping": "pong"
}
node2 | SUCCESS => {
    "changed": false,
    "ping": "pong"
}
devops@master:~/platform$ ansible dockerhost -i hosts -m ping
node3 | SUCCESS => {
    "changed": false,
    "ping": "pong"
}

```

5. Ping all host and Use -o, or --one-line for condense output
ansible <group_name> -i hosts -m ping -o

<GROUP_NAME> = all

```

devops@master:~/platform$
devops@master:~/platform$
devops@master:~/platform$ ansible all -i hosts -m ping -o
localhost | SUCCESS => {"changed": false, "ping": "pong"}
node2 | SUCCESS => {"changed": false, "ping": "pong"}
node1 | SUCCESS => {"changed": false, "ping": "pong"}
node3 | SUCCESS => {"changed": false, "ping": "pong"}
devops@master:~/platform$

```

6. Check Memory status of node1, dockerhost and webserver by running **free** command
- ```
ansible <target_server> -i hosts -a "free"
```
- ```
ansible <target_server> -i hosts -a "free -m"
```

-m to show output in MB.

For Eg:

<TARGET_SERVER>= webserver

```
devops@master:~/platform$ ansible node1 -i hosts -a "free"
node1 | CHANGED | rc=0 >>
      total        used        free      shared  buff/cache   available
Mem:    1014492      72544      628492        3316       313456       772116
Swap:          0           0           0

devops@master:~/platform$ ansible webserver -i hosts -a "free -m"
node1 | CHANGED | rc=0 >>
      total        used        free      shared  buff/cache   available
Mem:         990         70         613           3         306         753
Swap:          0           0           0

node2 | CHANGED | rc=0 >>
      total        used        free      shared  buff/cache   available
Mem:         990         79         639           8         271         740
Swap:          0           0           0
```

7. Check uptime of Servers or group of Servers
- ```
ansible <host_name> -i hosts -a "uptime"
```

Value <host\_name>= all

```
devops@master:~/platform$ ansible all -i hosts -a "uptime"
localhost | CHANGED | rc=0 >>
 19:22:58 up 8:20, 2 users, load average: 0.00, 0.02, 0.00

node1 | CHANGED | rc=0 >>
 00:52:58 up 8:48, 1 user, load average: 0.08, 0.02, 0.01

node2 | CHANGED | rc=0 >>
 19:22:58 up 8:48, 1 user, load average: 0.00, 0.00, 0.00

node3 | CHANGED | rc=0 >>
 19:22:58 up 8:48, 1 user, load average: 0.00, 0.00, 0.00
```