

### Ansible part 3

Setup --> Control node --> Managed nodes

Playbook is just a yaml file

Start all nodes in AWS

<input checked="" type="checkbox"/>	ControlNode	i-0d1704f5a9b20bc67	<span>Running</span>	<span>🔍</span> <span>🔍</span>	t2.micro	<span>⌚</span> Initializing
<input type="checkbox"/>	ManagedNode2	i-03c611e5a7b03053b	<span>Running</span>	<span>🔍</span> <span>🔍</span>	t2.micro	–
<input type="checkbox"/>	ManagedNode1	i-0079b27ec6e3e196d	<span>Running</span>	<span>🔍</span> <span>🔍</span>	t2.micro	<span>⌚</span> Initializing

```
[ec2-user@ip-172-31-14-91 ~]$  
[ec2-user@ip-172-31-14-91 ~]$  
[ec2-user@ip-172-31-14-91 ~]$ sudo su ansible  
[ansible@ip-172-31-14-91 ec2-user]$ ls -l  
ls: cannot open directory '.': Permission denied  
[ansible@ip-172-31-14-91 ec2-user]$ sudo ls -l  
total 0  
[ansible@ip-172-31-14-91 ec2-user]$  
[ansible@ip-172-31-14-91 ec2-user]$  
[ansible@ip-172-31-14-91 ec2-user]$ cd ~  
[ansible@ip-172-31-14-91 ~]$  
[ansible@ip-172-31-14-91 ~]$  
[ansible@ip-172-31-14-91 ~]$  
[ansible@ip-172-31-14-91 ~]$ ls -l  
total 4  
-rw-rw-r--. 1 ansible ansible 108 Apr 14 01:10 01-ping.yml  
[ansible@ip-172-31-14-91 ~]$  
[ansible@ip-172-31-14-91 ~]$  
[ansible@ip-172-31-14-91 ~]$  
[ansible@ip-172-31-14-91 ~]$
```

```
[ansible@ip-172-31-14-91 ~]$  
[ansible@ip-172-31-14-91 ~]$ cat 01-ping.yml  
---  
- hosts: all  
  tasks:  
    - name: Ping all the managed nodes  
      ping:  
        remote_user: ansible  
...  
[ansible@ip-172-31-14-91 ~]$
```

```
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 01-ping.yml  
PLAY [all] *****  
TASK [Gathering Facts] *****  
[WARNING]: Platform linux on host 172.31.5.77 is using the discovered Python interpreter at /usr/bin/python3.9, but future installation of another Python  
interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.15/reference_appendices/interpreter_discovery.html for more  
information.  
ok: [172.31.5.77]  
[WARNING]: Platform linux on host 172.31.12.31 is using the discovered Python interpreter at /usr/bin/python3.9, but future installation of another Python  
interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.15/reference_appendices/interpreter_discovery.html for more  
information.  
ok: [172.31.12.31]  
TASK [Ping all the managed nodes] *****
```

```

[ansible@ip-172-31-14-91 ~]$
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 01-ping.yml

PLAY [all] *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 172.31.5.77 is using the
interpreter could change the meaning of that path. See http
information.
ok: [172.31.5.77]
[WARNING]: Platform linux on host 172.31.12.31 is using the
interpreter could change the meaning of that path. See http
information.
ok: [172.31.12.31]

TASK [Ping all the managed nodes] *****
ok: [172.31.5.77]
ok: [172.31.12.31]

PLAY RECAP *****
172.31.12.31      : ok=2    changed=0    unreachable=0    failed=0
172.31.5.77      : ok=2    changed=0    unreachable=0    failed=0

[ansible@ip-172-31-14-91 ~]$ █

```

More verbose -vv

```

[ansible@ip-172-31-14-91 ~]$ ansible-playbook 01-ping.yml -vv
ansible-playbook [core 2.15.3]
  config file = None
  configured module search path = ['/home/ansible/.ansible/plugins/m
  ansible python module location = /usr/lib/python3.9/site-packages/
  ansible collection location = /home/ansible/.ansible/collections:/
  executable location = /usr/bin/ansible-playbook
  python version = 3.9.21 (main, Mar 19 2025, 00:00:00) [GCC 11.5.0
  jinja version = 3.1.4
  libyaml = True
No config file found; using defaults
Skipping callback 'default', as we already have a stdout callback.
Skipping callback 'minimal', as we already have a stdout callback.
Skipping callback 'oneline', as we already have a stdout callback.

PLAYBOOK: 01-ping.yml *****
1 plays in 01-ping.yml

PLAY [all] *****

TASK [Gathering Facts] *****
task path: /home/ansible/01-ping.yml:2
[WARNING]: Platform linux on host 172.31.12.31 is using the discover
interpreter could change the meaning of that path. See https://docs.
information.
ok: [172.31.12.31]
[WARNING]: Platform linux on host 172.31.5.77 is using the discover
interpreter could change the meaning of that path. See https://docs.
information.
ok: [172.31.5.77]

TASK [Ping all the managed nodes] *****
task path: /home/ansible/01-ping.yml:4
ok: [172.31.12.31] => {"changed": false, "ping": "pong"}
ok: [172.31.5.77] => {"changed": false, "ping": "pong"}

PLAY RECAP *****
172.31.12.31      : ok=2    changed=0    unreachable=0    f
172.31.5.77      : ok=2    changed=0    unreachable=0    f

[ansible@ip-172-31-14-91 ~]$ █

```

-vvv more verbose ansible report

ansible user already created  
 ansible directory created

1. We had switched to user ansible: `sudo su ansible`
2. Get into ansible directory: `cd ~` or `cd ../ansible`
3. Present working directory: `pwd` --> `/home/ansible`
- 4.
5. `[ansible@ip-172-31-14-91 ~]$ vi 01-ping.yml`
6. ---
7. - hosts: all
8. tasks:
9. - name: Ping all the managed nodes
10. ping:



11. remote\_user: ansible
12. ...
13. ansible-playbook 01-ping.yml
14. To get more info about the playbook execution or internal info about the playbook --> Verbosity
15. ansible-playbook 01-ping.yml -vv --> more verbosity or more detailed output
16. To check playbook syntax
17. ansible-playbook 01-ping.yml --syntax-check
18. Inventory file will have the information about the machines we are managing

```
...
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 01-ping.yml --syntax-check
playbook: 01-ping.yml
```

19. [ansible@ip-172-31-14-91 ~]\$
20. To check which hosts will be affected by a Playbook:
21. [ansible@ip-172-31-14-91 ~]\$ ansible-playbook 01-ping.yml --list-hosts
- 22.
23. playbook: 01-ping.yml
- 24.
25. play #1 (all): all TAGS: []
26. pattern: ['all']
27. hosts (2):
28. 172.31.5.77
29. 172.31.12.31

```
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 01-ping.yml --list-hosts
playbook: 01-ping.yml

play #1 (all): all TAGS: []
pattern: ['all']
hosts (2):
172.31.5.77
172.31.12.31
[ansible@ip-172-31-14-91 ~]$
```

- 30.
31. Execute one step at a time and confirm each task before running with yes, no or continue
32. [ansible@ip-172-31-14-91 ~]\$ ansible-playbook 01-ping.yml --step

```
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 01-ping.yml --step

PLAY [all] *****
Perform task: TASK: Gathering Facts (N)o/(y)es/(c)ontinue: c
Perform task: TASK: Gathering Facts (N)o/(y)es/(c)ontinue: *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 172.31.12.31 is using the discovered Python interpreter at /usr/bin/python3.9, but f
interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.15/reference_appendices
information.
ok: [172.31.12.31]
[WARNING]: Platform linux on host 172.31.5.77 is using the discovered Python interpreter at /usr/bin/python3.9, but fu
interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.15/reference_appendices
information.
ok: [172.31.5.77]

TASK [Ping all the managed nodes] *****
ok: [172.31.12.31]
ok: [172.31.5.77]

PLAY RECAP *****
172.31.12.31 : ok=2 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
172.31.5.77 : ok=2 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
```

- 33.
34. For dryrun

```

[ansible@ip-172-31-14-91 ~]$ ansible-playbook 01-ping.yml --check

PLAY [all] *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 172.31.12.31 is using the discovered Python interpreter
interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-
information.
ok: [172.31.12.31]
[WARNING]: Platform linux on host 172.31.5.77 is using the discovered Python interpreter
interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-
information.
ok: [172.31.5.77]

TASK [Ping all the managed nodes] *****
ok: [172.31.5.77]
ok: [172.31.12.31]

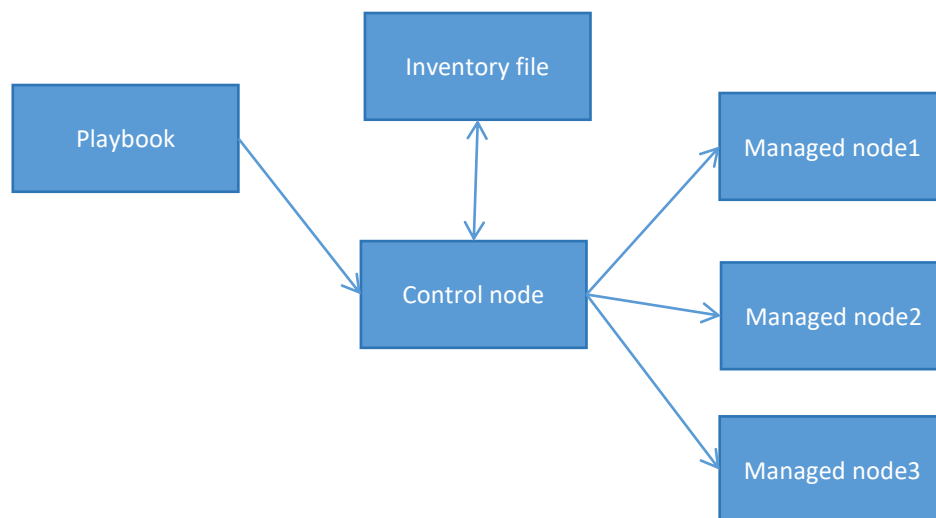
PLAY RECAP *****
172.31.12.31      : ok=2    changed=0    unreachable=0    failed=0    skipped=0
172.31.5.77      : ok=2    changed=0    unreachable=0    failed=0    skipped=0

[ansible@ip-172-31-14-91 ~]$

```

35.

36.



I want to create file in each of the Managed nodes using Ansible

Log into Managed Node1

```

[ec2-user@ip-172-31-5-77 ~]$ sudo su ansible
[ansible@ip-172-31-5-77 ec2-user]$
[ansible@ip-172-31-5-77 ec2-user]$
[ansible@ip-172-31-5-77 ec2-user]$
[ansible@ip-172-31-5-77 ec2-user]$ cd ~

```

Go to Control node:

```

[ansible@ip-172-31-14-91 ~]$ vi 02-create-file.yml

```

```

[ansible@ip-172-31-14-91 ~]$ cat 02-create-file.yml

```

---

- hosts: all

tasks:

```
- name: Create file in all the managed nodes
file:
  path: /home/ansible/fromControlNode.txt
  state: touch
...
```

```
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 02-create-file.yml --syntax
```

```
playbook: 02-create-file.yml
```

```
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 02-create-file.yml
```

```
[ansible@ip-172-31-14-91 ~]$
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 02-create-file.yml

PLAY [all] *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 172.31.12.31 is using the discovered Py
interpreter could change the meaning of that path. See https://docs.ansib
information.
ok: [172.31.12.31]
[WARNING]: Platform linux on host 172.31.5.77 is using the discovered Pyt
interpreter could change the meaning of that path. See https://docs.ansib
information.
ok: [172.31.5.77]

TASK [Create file in all the managed nodes] *****
changed: [172.31.12.31]
changed: [172.31.5.77]

PLAY RECAP *****
172.31.12.31      : ok=2    changed=1    unreachable=0    failed=0
172.31.5.77      : ok=2    changed=1    unreachable=0    failed=0
```

Go to Managed Node 1:

```
[ansible@ip-172-31-5-77 ~]$
[ansible@ip-172-31-5-77 ~]$ ls -l
total 0
-rw-rw-r--. 1 ansible ansible 0 Apr 27 22:25 fromControlNode.txt
[ansible@ip-172-31-5-77 ~]$
```

The file 'fromControlNode.txt' is created

Second Managed node:

```
[ansible@ip-172-31-5-77 ~]$
[ansible@ip-172-31-5-77 ~]$ ls -l
total 0
-rw-rw-r--. 1 ansible ansible 0 Apr 27 22:25 fromControlNode.txt
[ansible@ip-172-31-5-77 ~]$ pwd
/home/ansible
[ansible@ip-172-31-5-77 ~]$
```

Same file is created

Back to ControlNode:  
Modify yml file lightly to create another file in managed nodes

Managed Node1:

```
[ansible@ip-172-31-5-77 ~]$ ls -l
total 0
-rw-rw-r--. 1 ansible ansible 0 Apr 27 22:42 alien.txt
-rw-rw-r--. 1 ansible ansible 0 Apr 27 22:25 fromControlNode.txt
[ansible@ip-172-31-5-77 ~]$
```

Steps we followed so far:  
Create files in Managed Nodes using Ansible from Control Node

Create a new yml playbook file in Control Node  
vi 02-create-file.yml

```
[ansible@ip-172-31-14-91 ~]$ cat 02-create-file.yml
```

```
---
- hosts: all
  tasks:
    - name: Create file in all the managed nodes
      file:
        path: /home/ansible/alien.txt
        state: touch
...
```

ansible-playbook 02-create-file.yml

Later get connected to managed nodes and check if files are created

Task 3: Install git in client (Managed nodes) ---> Assignment to install Maven

```
[ansible@ip-172-31-14-91 ~]$ vi 03-install-git.yml
```

become: true gives admin privileges

```
---
- hosts: all
  become: true
  tasks:
    - name: Install Git in all the managed nodes
      yum:
        name: git
        state: latest
...
```

```
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 03-install-git.yml --syntax-check
```

playbook: 03-install-git.yml



```
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 03-install-git.yml
```

```
[ansible@ip-172-31-14-91 ~]$
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 03-install-git.yml

PLAY [all] *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 172.31.5.77 is using the discovered P
interpreter could change the meaning of that path. See https://docs.ans
information.
ok: [172.31.5.77]
[WARNING]: Platform linux on host 172.31.12.31 is using the discovered
interpreter could change the meaning of that path. See https://docs.ans
information.
ok: [172.31.12.31]

TASK [Install Git in all the managed nodes] *****
ok: [172.31.5.77]
changed: [172.31.12.31]

PLAY RECAP *****
172.31.12.31      : ok=2    changed=1    unreachable=0    fail
172.31.5.77      : ok=2    changed=0    unreachable=0    fail
```

Go to Managed Node 1:

```
[ansible@ip-172-31-5-77 ~]$ git -v
git version 2.47.1
```

Git is installed successfully

Same in Managed node 2:

```
[ansible@ip-172-31-5-77 ~]$ git -v
git version 2.47.1
[ansible@ip-172-31-5-77 ~]$
```

Go back to ControlNode:

```
[ansible@ip-172-31-14-91 ~]$ cat /etc/ansible/hosts
[webservers]
172.31.5.77
```

```
[dbservers]
172.31.12.31
```

We have created two groups: webservers and dbservers group

```
[ansible@ip-172-31-14-91 ~]$ vi 04-website-hosting.yml
[ansible@ip-172-31-14-91 ~]$
[ansible@ip-172-31-14-91 ~]$
[ansible@ip-172-31-14-91 ~]$ cat 04-website-hosting.yml
```

```
---
- hosts: webservers
  become: true
  tasks:
```



- name: Install httpd package in only Managed node1

yum:

name: httpd

state: latest

- name: Copy index.html file

copy:

src: index.html

dest: /var/www/html/index.html

- name: Start httpd server

service: Start httpd server

name: httpd

state: started

...

In the ControlNode:

```
[ansible@ip-172-31-14-91 ~]$  
[ansible@ip-172-31-14-91 ~]$ vi 04-website-hosting.yml  
[ansible@ip-172-31-14-91 ~]$  
[ansible@ip-172-31-14-91 ~]$  
[ansible@ip-172-31-14-91 ~]$ cat 04-website-hosting.yml  
---  
- hosts: webservers  
  become: true  
  tasks:  
    - name: Install httpd package in only Managed node1  
      yum:  
        name: httpd  
        state: latest  
  
    - name: Copy index.html file  
      copy:  
        src: index.html  
        dest: /var/www/html/index.html  
  
    - name: Start httpd server  
      service: Start httpd server  
        name: httpd  
        state: started  
  
...
```

In the ControlNode, create one file called as 'index.html' file

```
[ansible@ip-172-31-14-91 ~]$ vi index.html
```

```
[ansible@ip-172-31-14-91 ~]$ cat index.html
```

```
<h1> DevOps Course Ansible </h1>>
```

```
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 04-website-hosting.yml --syntax-check
```

```
playbook: 04-website-hosting.yml
```

```

[ansible@ip-172-31-14-91 ~]$ vi 04-website-hosting.yml
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 04-website-hosting.yml --syntax-check
playbook: 04-website-hosting.yml
[ansible@ip-172-31-14-91 ~]$
[ansible@ip-172-31-14-91 ~]$
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 04-website-hosting.yml

PLAY [webservers] *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 172.31.5.77 is using the discovered Python interpreter
interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-
information.
ok: [172.31.5.77]

TASK [Install httpd package in only Managed node1] *****
changed: [172.31.5.77]

TASK [Copy index.html file] *****
changed: [172.31.5.77]

TASK [Start httpd server] *****
changed: [172.31.5.77]

PLAY RECAP *****
172.31.5.77 : ok=4 changed=3 unreachable=0 failed=0 skipped=0

```

Copy public IP of Managed host 1



## DevOps Course Ansible

Steps we followed so far for webhosting

vi 04-website-hosting.yml

```
[ansible@ip-172-31-14-91 ~]$ cat 04-website-hosting.yml
```

```
---
```

```

- hosts: webservers
  become: true
  tasks:
    - name: Install httpd package in only Managed node1
      yum:
        name: httpd
        state: latest

    - name: Copy index.html file
      copy:
        src: index.html
        dest: /var/www/html/index.html

    - name: Start httpd server
      service:
        name: httpd
        state: started

```

```
...
```

```
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 04-website-hosting.yml --list-hosts
```

```
playbook: 04-website-hosting.yml
```

```
play #1 (webservers): webservers  TAGS: []
  pattern: ['webservers']
  hosts (1):
    172.31.5.77
```

```
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 04-website-hosting.yml --syntax-check
```

```
playbook: 04-website-hosting.yml
```

```
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 04-website-hosting.yml
```

Use Public IP of webservers group machine and check if website is up and running

I run the same file again from ControlNode

```
[ansible@ip-172-31-14-91 ~]$
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 04-website-hosting.yml

PLAY [webservers] *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 172.31.5.77 is using the discovered
interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-2.9/reference_appendices/interpreter_discovery.html for more
information.
ok: [172.31.5.77]

TASK [Install httpd package in only Managed node1] *****
ok: [172.31.5.77]

TASK [Copy index.html file] *****
ok: [172.31.5.77]

TASK [Start httpd server] *****
ok: [172.31.5.77]

PLAY RECAP *****
172.31.5.77 : ok=4  changed=0  unreachable=0  failed=0
```

Note: Changed=0 that means no change

Now if I make changes to the same file, then changed=1 because it's treated as a new file

Variables:

Used to store data / information

id: 1

name: Rohan

We can use the concept of variables in Ansible in 4 different ways:

Runtime variables

Playbook variables

Group variables

Host variables

Runtime variables: while I execute the particular playbook yml file, I will be passing the values

Playbook variables: In the Playbook itself I will be creating the variables

Group variables: we create variables at Group levels. Inside Inventory file, we have information about Managed nodes and Groups. Group variables we create the Inventory level. Same goes with the Host variable

Host variable: Created in the Inventory level, in one Group, possibility of having multiple machines

1. Runtime variable: We can pass variable value at Runtime.

```
[ansible@ip-172-31-14-91 ~]$ vi 05-website-hosting-variable.yml
[ansible@ip-172-31-14-91 ~]$ cat 05-website-hosting-variable.yml
```

```
---
- hosts: webserver
  become: true
  tasks:
    - name: Install httpd package in only Managed node1
      yum:
        name: "{{package_name}}"
        state: latest

    - name: Copy index.html file
      copy:
        src: index.html
        dest: /var/www/html/index.html

    - name: "{{package_name}}"
      service:
        name: httpd
        state: started
```

...

```
[ansible@ip-172-31-14-91 ~]$ vi index.html
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 05-website-hosting-variable.yml

PLAY [webserver] *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 172.31.5.77 is using the discovered Python in
interpreter could change the meaning of that path. See https://docs.ansible.com
information.
ok: [172.31.5.77]

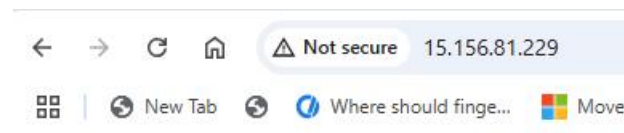
TASK [Install httpd package in only Managed node1] *****
fatal: [172.31.5.77]: FAILED! => {"msg": "The task includes an option with an u
s undefined\n\nThe error appears to be in '/home/ansible/05-website-hosting-var
e exact syntax problem.\n\nThe offending line appears to be:\n\n  tasks:\n

PLAY RECAP *****
172.31.5.77 : ok=1 changed=0 unreachable=0 failed=1
```



Add [ansible@ip-172-31-14-91 ~]\$ ansible-playbook 05-website-hosting-variable.yml --extra-vars package\_name=httpd  
--extra-vars package\_name=httpd

```
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 05-website-hosting-variable.yml --extra-vars package_name=httpd
PLAY [webservers] *****
TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 172.31.5.77 is using the discovered Python interpreter at /usr/bin/python3.9
interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.15/reference_appendices/interpreter_discovery.html for more information.
ok: [172.31.5.77]
TASK [Install httpd package in only Managed node1] *****
ok: [172.31.5.77]
TASK [Copy index.html file] *****
changed: [172.31.5.77]
TASK [httpd] *****
ok: [172.31.5.77]
PLAY RECAP *****
172.31.5.77 : ok=4 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
```



## DevOps Course Ansible

>

### Runtime variable

2. Playbook variable ---> Declare and use the variables within playbook

[ansible@ip-172-31-14-91 ~]\$ vi 06-playbook-variables.yml

[ansible@ip-172-31-14-91 ~]\$ cat 06-playbook-variables.yml

---

- hosts: webservers

become: true

vars:

package\_name: httpd webserver

tasks:

- name: Install httpd package in only Managed node1

yum:

name: "{{package\_name}}"

state: latest

- name: Copy index.html file

copy:

src: index.html

dest: /var/www/html/index.html

- name: "{{package\_name}}"

service:

name: httpd

state: started

...

```
[ansible@ip-172-31-14-91 ~]$ vi 06-playbook-variables.yml
[ansible@ip-172-31-14-91 ~]$ cat 06-playbook-variables.yml
```

```
---
- hosts: webservers
  become: true
  vars:
    package_name: httpd webserver
  tasks:
    - name: Install "{{package_name}}" in only Managed node1
      yum:
        name: httpd
        state: latest

    - name: Copy index.html file
      copy:
        src: index.html
        dest: /var/www/html/index.html

    - name: "{{package_name}}"
      service:
        name: httpd
        state: started
```

...

```
[ansible@ip-172-31-14-91 ~]$
[ansible@ip-172-31-14-91 ~]$ ansible-playbook 06-playbook-variables.yml

PLAY [webservers] *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 172.31.5.77 is using the discovered Python
interpreter could change the meaning of that path. See https://docs.ansible.
information.
ok: [172.31.5.77]

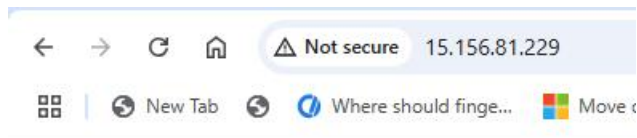
TASK [Install "httpd webserver" in only Managed node1] *****
ok: [172.31.5.77]

TASK [Copy index.html file] *****
changed: [172.31.5.77]

TASK [httpd webserver] *****
ok: [172.31.5.77]

PLAY RECAP *****
172.31.5.77 : ok=4    changed=1    unreachable=0    failed=0

[ansible@ip-172-31-14-91 ~]$ █
```



# DevOps Course Ansible

>

## Testing Playbook variable

Assignment: Write Ansible playbook to install Java in webserver group and MySQL in dbserver group