Ansible – Lab3

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ITI- DevOps Track

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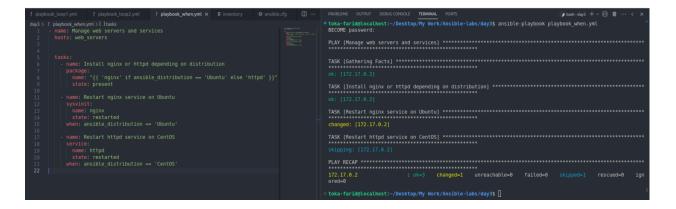
# **LOOPS**

- 1. Loop over a list of packages and install the latest versions.
- 2. Loop over a list of packages and use different states as per input.

```
! playbook_loop1.yml × ≡ inventory
                              ansible.cfg
       - mariadb-server
- curl
- nginx
      - name: Install packages package:
    name: "{{ item }}"
    state: latest
      loop: "{{ packages }}"
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
toka-farid@localhost:~/Desktop/My Work/Ansible-labs/day3$ ansible-playbook playbook_loop1.yml
BECOME password:
 changed: [172.17.0.2] => (item=mariadb-server)
ok: [172.17.0.2] => (item=curl)
ok: [172.17.0.2] => (item=nginx)
 : ok=1 changed=1 unreachable=0 failed=0 skipped=0 rescued=0
                                                                                    ignored=0
 172.17.0.2
toka-farid@localhost:~/Desktop/My Work/Ansible-labs/day3$
```

## **WHEN**

- 1. Install nginx or httpd depending on distribution.
- 2. Restart nginx service if distribution is ubuntu.
- 3. Restart httpd service if distribution is centos.



#### **REGISTER & WHEN**

- 1. View the value of your register variable using the debug module.
- 2. Restart service if the installation task was changed or did not fail.

#### **HANDLERS**

- install a package.
   (get the package name from vars)
- copy a list of files (index.html & file.css & file.js) from controller to host using loop. (get the list of file names from vars), (the actual files will be stored in ./your\_current\_directory), (will be defined as Handler), (will be triggered by step 1)
- Restart the service of the installed package.
   (will be defined as Handler), (will be triggered by step 2)

```
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```

### **TEMPLATES**

- installing a package.
   (get the package name from vars)
- Copying index.html from controller to host using template.
   (get the template name & template message from vars)
   (the actual template file will be stored in ./your current directory), (will trigger step 4)
- copying a list of files (file.css & file.js) from controller to host using loop.
   (get the list of file names from vars), (the actual files will be stored in ./your\_current\_directory), (will be defined as Handler), (will be triggered by step 1)
- Restart the service of the installed package.
   (will be defined as Handler), (will be triggered by step 3)

