ANSIBLE (RH294)

ANSIBLE PROJECT

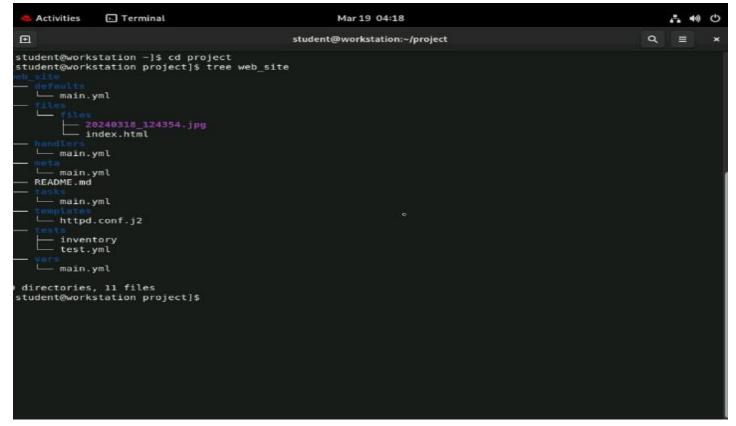
Ali Khames, Ahmed mostafa, Omar Shaban, Marwan Tarek



WEBSITE



Tree



Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>PROJECT</title>
</head>
<body>
  <h1>WE ARE THE BEST</h1>
  OMAR SHABAN, AHMED MOSTAFA, ALI KHAMES:
  <img src="20240318_124354.jpg" alt="THE BEST" style="width:800px;height:500px;">
</body>
</html>
Handlers
# handlers file for web site
- name: restart httpd
 ansible.builtin.service:
  name: "{{ web_service }}"
  state: restarted
Tasks
# tasks file for web_site
                                                                - name: Deploy index.html file
- name: Packages are installed
                                                                 ansible.builtin.copy:
 ansible.builtin.dnf:
                                                                  src: files/index.html
  name: "{{ web_package }}"
                                                                  dest: "{{ web root }}"
  state: present
                                                                  owner: root
                                                                   group: root
- name: Ensure service is started
                                                                   mode: '0644'
 ansible.builtin.service:
  name: "{{ web_service }}"
                                                                - name: Web port is open
  state: started
                                                                 ansible.builtin.firewalld:
  enabled: yes
                                                                  service: "{{ web fw service }}"
                                                                   permanent: yes
- name: Deploy configuration file
                                                                  state: enabled
 ansible.builtin.template:
                                                                  immediate: yes
  src: templates/httpd.conf.j2
  dest: "{{ web_config_file }}"
                                                                - name: send photo
  owner: root
                                                                 copy:
  group: root
                                                                   src: files/20240318 124354.jpg
  mode: '0644'
                                                                  dest: "{{ photo_root }}"
  setype: httpd_config_t
 notify: restart httpd
```

templates

```
ServerRoot "/etc/httpd"
Listen 80
Include conf.modules.d/*.conf
User apache
Group apache
ServerAdmin root@localhost
<Directory />
  AllowOverride none
  Require all denied
</Directory>
DocumentRoot "/var/www/html"
<Directory "/var/www">
  AllowOverride None
  Require all granted
</Directory>
<Directory "/var/www/html">
  Options Indexes FollowSymLinks
  AllowOverride None
  Require all granted
</Directory>
<IfModule dir_module>
  DirectoryIndex index.html
</lfModule>
<Files ".ht*">
  Require all denied
</Files>
ErrorLog "logs/error log"
LogLevel warn
<IfModule log_config_module>
  LogFormat "%h %l %u %t \"%r\" %>s %b \"%{Referer}i\" \"%{User-Agent}i\"" combined
  LogFormat "%h %l %u %t \"%r\" %>s %b" common
  <IfModule logio module>
   LogFormat "%h %l %u %t \"%r\" %>s %b \"%{Referer}i\" \"%{User-Agent}i\" %l %O" combinedio
  </lfModule>
  CustomLog "logs/access_log" combined
</lfModule>
<IfModule alias module>
  ScriptAlias /cgi-bin/ "/var/www/cgi-bin/"
</lfModule>
<Directory "/var/www/cgi-bin">
  AllowOverride None
  Options None
  Require all granted
</Directory>
<IfModule mime module>
  TypesConfig /etc/mime.types
  AddType application/x-compress .Z
  AddType application/x-gzip .gz .tgz
  AddType text/html .shtml
  AddOutputFilter INCLUDES .shtml
</lfModule>
```

AddDefaultCharset UTF-8 <IfModule mime_magic_module> MIMEMagicFile conf/magic </lfModule> EnableSendfile on IncludeOptional conf.d/*.conf

vars

vars file for web_site web_package: httpd web_service: httpd

web_config_file: /etc/httpd/conf/httpd.conf web_root: /var/www/html/index.html

photo_root: /var/www/html/20240318_124354.jpg

web_site/handlers/main.yml" 8L, 135B

web_fw_service: http

playbook

- name: HTTPD server is installed

hosts: webdev become: true

roles: - web_site

> ■ Terminal Mar 18 09:47 Activities . 40 O student@workstation:~/project — vim web_site/handlers/main.yml student@workstation:~/project02 — vim playbook.yml student@workstation:~/project — vim web_site/handlers/main... × name: restart httpd name: "{{ web_service }}"
> state: restarted

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