Web-dev

```
Create a playbook called web.yml as follows:
The playbook runs on managed nodes in the appserver host group
* Create the directory /webdev with the following requirements:
- membership in the webdev group regular permissions: owner=read+write+execute, group=read+write+execute,other=read+execute
- special permissions: set group ID*
- Symbolically link /var/www/html/webdev to /webdev *
- Create the file /webdev/index.html with a single line on text that reads: Development
```
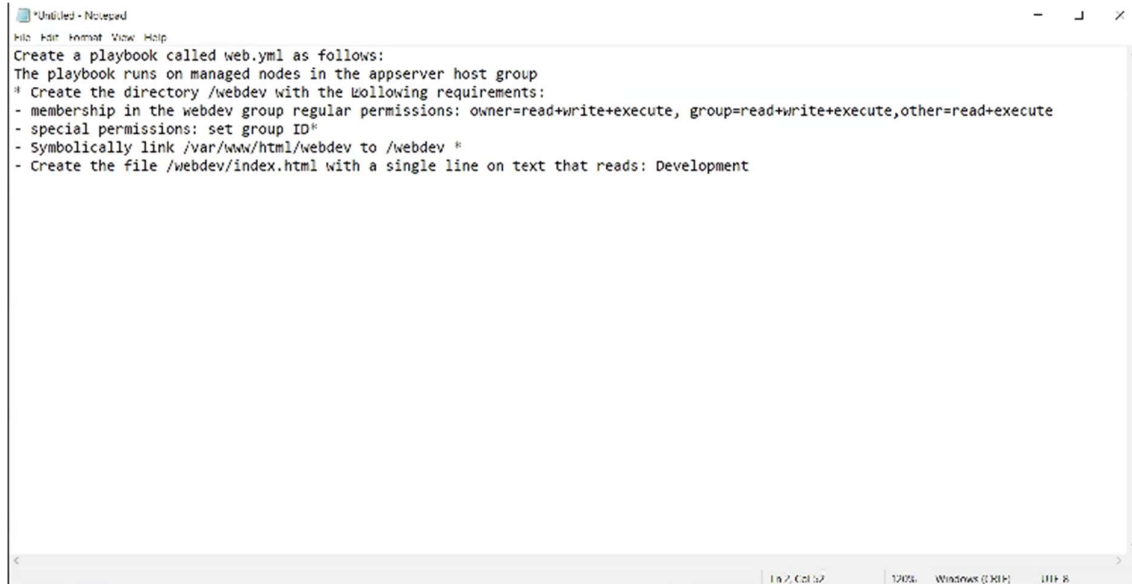
```yaml
---
- name: webdev playi
  hosts: appserver
  gather_facts: no
  tasks:
    - name: qrupu yarat
    - name: folderdi yarat
    - name: fayli yart
    - name: http install et
    - name: link at
    - name: selinuxa contexti elave et
    - name: restorecon et
    - name: firewalla elave et
    - name: service enable ve start et
```

web.yml adında playbook qururuq.

cd /home/sandy/ansible
vim web.yml

playbook appserver host group üçün çalıştırırıq.

```
---
- name: webdev playi
  hosts: appserver
  gather_facts: no
```

webdev group -u qururuq.

```
  - name: qrupu yarat
    ansible.builtin.group:
      name: webdev
      state: present
```

/webdev directory-si qururuq,owner-i dəyişirik, basic və special permission veririk.

```
  - name: folderdi yarat
    ansible.builtin.file:
      path: /webdev
      group: webdev
      mode: '2775'
      state: directory
```

/webdev/index.html faylında Devolopment sözünü yazırıq.

```
  - name: fayli yarat
    copy:
      content: "Development"
      dest: /webdev/index.html
```

Httpd install et.

```
  - name: httpd install et
    ansible.builtin.yum:
      name: httpd
      state: latest
```

/webdev -i /var/www/html/webdev –ə simbolik link edirik.

```yaml
- name: link at
  file:
    src: /webdev
    dest: /var/www/html/webdev
    state: link
```

selinux -a context -I əlavə et.

```yaml
- name: selinuxa contexti elave et
  community.general.sefcontext:
    target: '/webdev(/.*)?'
    setype: httpd_sys_content_t
    state: present
```

restorerecon et.

```yaml
- name: restorecon et
  ansible.builtin.command: restorecon -irv /webdev
```

firewall -a əlavə et.

```yaml
- name: firewalla elave et
  ansible.posix.firewalld:
    service: http
    permanent: true
    state: enabled
    immediate: true
```

service enable və start et.

```yaml
- name: service enable ve start et
  ansible.builtin.service:
    name: httpd
    state: started
    enabled: yes
```

semanage üçün əlavə paket yüklənməlidir. Paketi tapa bilmədiyi üçün error verir.

```
TASK [selinuxa contexti elave et] ****************************************************
An exception occurred during task execution. To see the full traceback, use -vvv. The error was: ModuleNotFoundErr
or: No module named 'seobject'
fatal: [192.168.149.150]: FAILED! => {"changed": false, "msg": "Failed to import the required Python library (poli
cycoreutils-python) on localhost.localdomain's Python /usr/bin/python3. Please read the module documentation and i
nstall it in the appropriate location. If the required library is installed, but Ansible is using the wrong Python
 interpreter, please consult the documentation on ansible_python_interpreter"}
```

paketi yükləyirik.

```
- name: dependency paketi yukle
  yum:
    name: policycoreutils-python-utils
    state: present
```

Encrypt

ansible-vault --help
ansible-vault create secret.yml
1234
1234

```
app_pass: 12345
db_pass: 54321
~
```

ansible-vault edit secret.yml – editləmək üçün
ansible-vault view secret.yml – cat etmək üçün

echo 1234 > test
ansible playbook debug.yml --vault-passwd-file=testğ

echo "a=100" > test2.txt
ansible-vault encrypt test2.txt
cat test2.txt
ansible-vault decrypt test2.txt

ansible-vault rekey secret.yml