

LR1 DevOps

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1. powershell: wsl -install

2. Установка ansible

a. `sudo apt-add-repository ppa:ansible/ansible`

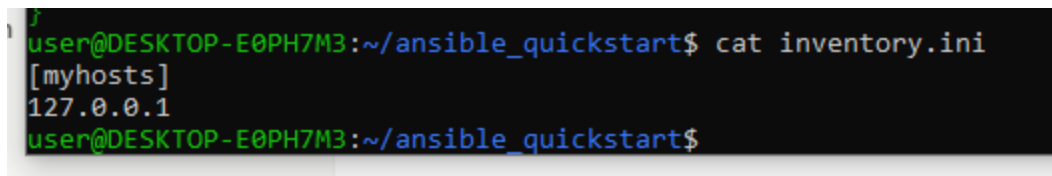
b. `sudo apt update`

c. `sudo apt install ansible`

3. Build inventory

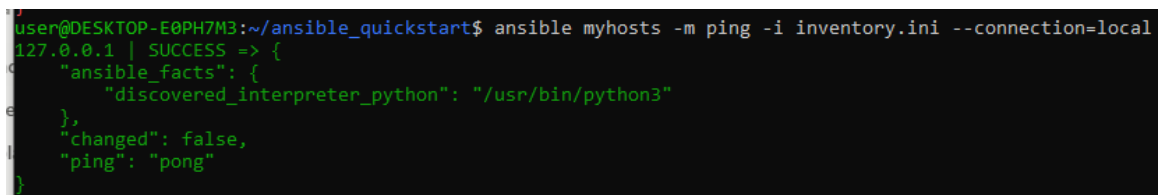
a. `mkdir ansible_quickstart && cd ansible_quickstart`

b. `vim inventory.ini`



```
user@DESKTOP-E0PH7M3:~/ansible_quickstart$ cat inventory.ini
[myhosts]
127.0.0.1
user@DESKTOP-E0PH7M3:~/ansible_quickstart$
```

c. `ansible myhosts -m ping -i inventory.ini --connection=local`



```
user@DESKTOP-E0PH7M3:~/ansible_quickstart$ ansible myhosts -m ping -i inventory.ini --connection=local
127.0.0.1 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
```

d. Если возникли проблемы с подключением (у меня возникали)

- Выполняем <https://dzen.ru/a/Y2EjEgmMcAosFNFr> (лучше сначала попробовать следующий пункт)
- С помощью `ssh-keygen` генерируем ключ `id_rsa.pub` и вставляем содержимое в `~/.ssh/authorized_keys`

4. Build playbook.yml

```
---
- name: Install nginx and present index.html
  hosts: localhost
  become: true
  become_method: su

  tasks:
    - name: install nginx
      apt:
        name: nginx
        state: present

    - name: copy index
      copy:
        src: index.html
        dest: /var/www/html/index.html
        mode: '0644'

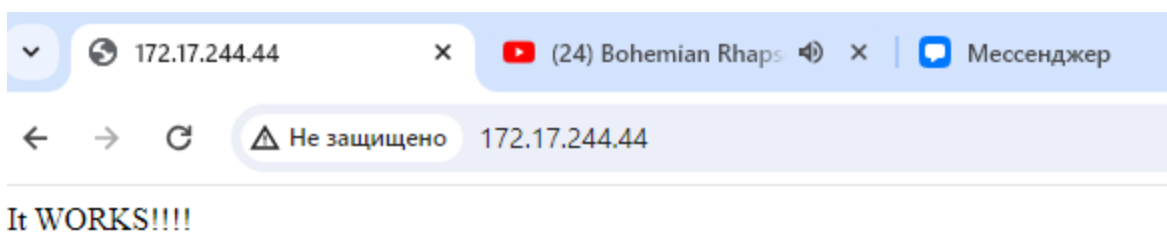
    - name: enable nginx
      service:
        name: nginx
        enabled: yes
        state: started
```

5. sudo bash

6. ansible-playbook -i inventory.ini playbook.yml --connection=local -vvv

```
root@DESKTOP-E0PH7M3: /home/user/ansible_quickstart
  "TasksMax": "9474",
  "TimeoutAbortUsec": "5s",
  "TimeoutCleanUsec": "infinity",
  "TimeoutStartFailureMode": "terminate",
  "TimeoutStartUsec": "1min 30s",
  "TimeoutStopFailureMode": "terminate",
  "TimeoutStopUsec": "5s",
  "TimersSlackMsec": "50000",
  "Transient": "no",
  "Type": "forking",
  "UID": "[not set]",
  "UMask": "0022",
  "UnitFilePreset": "enabled",
  "UnitFileState": "enabled",
  "UtampMode": "init",
  "WantedBy": "multi-user.target",
  "WatchdogSignal": "6",
  "WatchdogTimestamp": "n/a",
  "WatchdogTimestampMonotonic": "0",
  "WatchdogUsec": "0"
}
}
PLAY RECAP *****
127.0.0.1 : ok=4 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
root@DESKTOP-E0PH7M3: /home/user/ansible_quickstart#
```

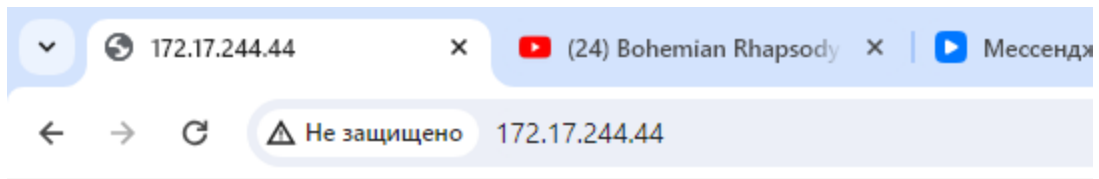
7. Работает!!



Для теста поменял index.html и заново запустил команду:

```
root@DESKTOP-E0PH7M3: /home/user/ansible_quickstart# ansible-playbook -i inventory.ini playbook.yaml --connection=local
PLAY [Install nginx and present index.html] *****
TASK [Gathering Facts] *****
ok: [127.0.0.1]
TASK [install nginx] *****
ok: [127.0.0.1]
TASK [copy index] *****
changed: [127.0.0.1]
TASK [enable nginx] *****
ok: [127.0.0.1]
PLAY RECAP *****
127.0.0.1 : ok=4 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
root@DESKTOP-E0PH7M3: /home/user/ansible_quickstart#
```

Изменения появились:



It WORKS!!!!

Add changes