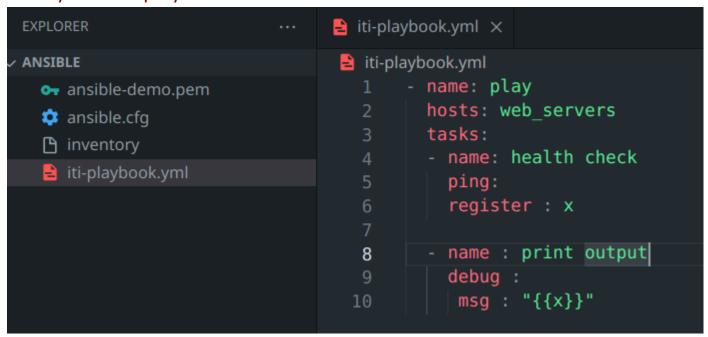
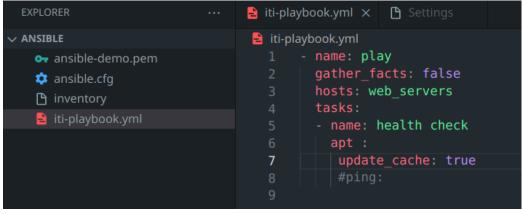
Write your first playbook file



Stop gather_facts and update cache



- Update cache
- Install latest nainx
- Copy index.html from controller to host 1
- Restart nginx service

```
iti-playbook.yml
     name: play
       gather facts: false
       hosts: web servers
       tasks:
          name: updating pkm
            apt:
              update_cache: yes
              name: nginx
              state: latest
10
11

    name: copying index file

13
            copy:
              src: ./index.html
14
              dest: /var/www/html/index.html
15
16
17
          name: restarting nginx
            service:
18
19
              name: nginx
              state: restarted
20
```

Can you see your index.html file when you hit host 1 on port 80?

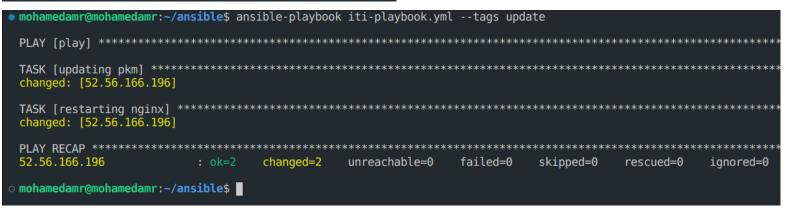
- Write simple playbook file
- Add two tasks (apt update apt install nginx)
- Add tags to first task: update
- Add tags to second task: install

```
- name: play
  gather facts: false
  hosts: web servers
  tasks:
     name: updating pkm
      apt:
        update_cache: yes
      tags:
        - update
     name: installing nginx
      apt:
        name: nginx
        state: latest
      tags:
        - install
     name: restarting nginx
      service:
        name: nginx
        state: restarted
```

• Run only the (apt update) task

Add one task with "tags: always" and run the previous command again

```
- name: restarting nginx
service:
name: nginx
state: restarted
tags:
- always
```



Define these variables (package_name, package_version) on playbook level

```
- name: play
 gather facts: false
 hosts: web servers
 vars:
    package_name: "nginx"
    package version: "Latest version"
  tasks:
    - name: updating pkm
      apt:
        update cache: yes
    - name: installing nginx message
      debug:
        msg: "{{ package_name }}"
    - name: package_version
      debug:
        msg: "{{ package_version }}"
    - name: installing nginx
     apt:
        name: "{{ package name }}"
        state: latest
    - name: restarting nginx
      service:
        name: nginx
        state: restarted
```

on inventory level

```
inventory
   package_name =apt
   package_version=latest
   [web_servers]
   4 52.56.166.196
   [database_servers]
   6 3.87.24.252
   7 3.87.24.253
   8 [fullstack:children]
   9 web_servers
   10 database_servers
   11
```

on command line level