



BATCH : BATCH 85
LESSON : Ansible
DATE : 25.10.2022
SUBJECT : Ansible Day-2 Playbooks



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What is Ansible?

- Ansible is a tool written in Python, and it uses the declarative markup language YAML to describe the desired state of devices and configuration.



ANSIBLE



What is Ansible?

- Real Life Use Cases

Provisioning, Configuration Management, Application Deployment, Continuous Deployment, Automation, and Orchestration

- Ansible with Docker

- Ansible vs Alternative Tools (Puppet, Chef)

- Ansible Components

- Modules & Playbook



A N S I B L E



What is Ansible?

- › Tool to automate IT tasks.
- › Agentless
- › Easy to use
- › No need for learning a specific language for Ansible
- › Ansible uses YAML
- › Requires SSH connection, and python on target





Playbook

- ad-hoc commands on CLI
- ansible all -m shell -a "ls -la"

```
tasks:
  - name: create directory for nginx
    file:
      path: /path/to/nginx/dir
      state: directory

  - name: install nginx latest version
    yum:
      name: nginx
      state: latest

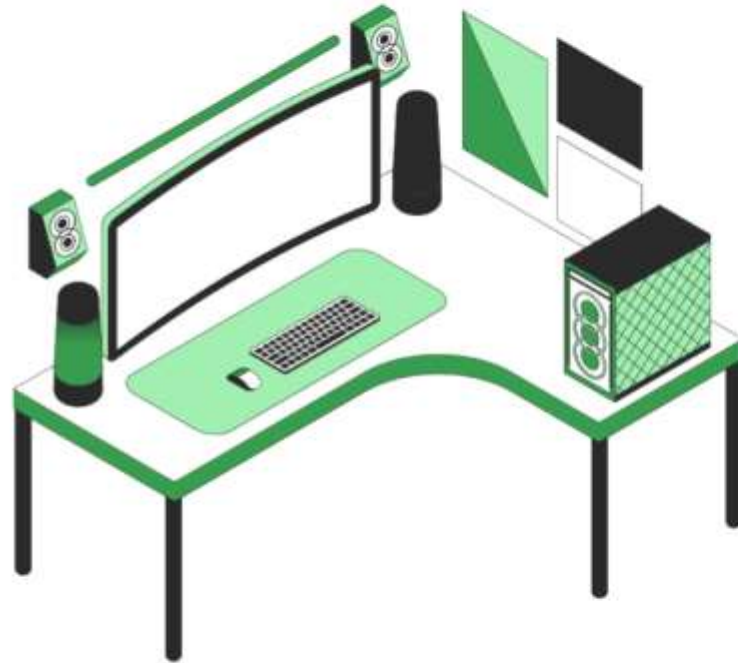
  - name: start nginx
    service:
      name: nginx
      state: started
```



Playbook

- › Playbook is a single YAML file
- › Playbook defines set of activities(tasks) to be run on hosts
 - › Task is an action to be performed on the host.

```
tasks:  
  - name: create directory for nginx  
    file:  
      path: /path/to/nginx/dir  
      state: directory  
  
  - name: install nginx latest version  
    yum:  
      name: nginx  
      state: latest  
  
  - name: start nginx  
    service:  
      name: nginx  
      state: started
```



Do you
have any
questions?

Send it to us! We hope you learned something new.