

Introduction to Playbooks

- **Ansible Provides two ways to execute our required tasks/operations**
- **They are :**
 - **Ansible Ad-hoc Commands or Ansible CLI Commands**
 - **Ansible Playbooks**
- **Install webserver (httpd) pkg on dev Managed Nodes**
- **then:**
 - **`ansible dev -m ansible.builtin.yum -a 'name=httpd state=present' -b`**
 - **Note:**
 - **It works only when all dev managed nodes are from RHEL Family**
 - **So , we need Ansible Scripting called Ansible Playbooks**

Introduction to Playbooks...

- **Now:**
 - `ansible-playbook installWebServer.yaml -e 'reqHosts=dev'`
 - `ansible-playbook installWebServer.yaml -e 'reqHosts=test'`
 - `ansible-playbook installWebServer.yaml -e 'reqHosts=prod'`
- **Playbook is simply a Script which uses YAML Language.**
- **We create playbooks/scripts for re-usability**
- **Basic Understanding about ansible-playbooks:**
 - **Playbook can have one or more plays, but we will start with one play**
 - **Each play is having targets(hosts) with one or more tasks**
 - **Each task is developed with one of the module**
 - **We can also include variables, conditions, loops and templates if required**

Introduction to Playbooks...

```
---  
- play1  
- play2  
- play3
```

```
---  
- name: any description about play  
  hosts: all  
  tasks:  
    - task1  
    - task2
```

```
- name: Installing webserver on RHEL Family  
  ansible.builtin.yum:  
    name: httpd  
    state: present  
    update_cache: true  
  when: ansible_facts.os_family == "RedHat"
```