



ANSIBLE PLAYBOOKS COMMANDS

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Ansible PLAYBOOK Commands

Module Name	Command
List all modules:	ansible-doc -l
No. of modules:	ansible-doc -l wc -l
Search for specific modules:	ansible-doc -l grep shell
To know about any specific modules:	ansible-doc shell

```
[devopsadmin@ip-172-31-81-101 ansible]$ vi display.yaml
```

```
[devopsadmin@ip-172-31-81-101 ansible]$ cat display.yaml
```

```
---
```

```
- hosts: samplenode1
```

```
tasks:
```

```
- debug:
```

```
msg:
```

```
- "The os distribution is: {{ansible_distribution}}"
```

```
- "The os name is: {{ansible_system}}"
```

```
- "The os family is: {{ansible_os_family}}"
```

```
- "The mount points are :{{ansible_mounts}}"
```

RUN THE ANSIBLE PLAYBOOK

Playbook is reuseable.

```
[devopsadmin@ip-172-31-81-101 ansible] $ ansible-playbook display.yaml
```

```
ok: [samplenode1]
```

```
TASK [debug]
```

```
*****
```

```
ok: [samplenode1] => {
```

```
  "msg": [
    "The os distribution is: Amazon",
    "The os name is: Linux",
    "The os family is: RedHat",
    "The mount points are :[{u'block_used': 424647,
u'uuid': u'c4be3059-222a-495a-8707-e2139aa08b62',
u'size_total': 8577331200, u'block_total': 2094075, u'mount':
```

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```
u'/', u'block_available': 1669428, u'size_available':  
6837977088, u'fstype': u'xfs', u'inode_total': 4193216,  
u'inode_available': 4145028, u'device': u'/dev/xvda1',  
u'inode_used': 48188, u'block_size': 4096, u'options':  
u'rw,noatime,attr2,inode64,logbufs=8,logbsize=32k,noquota'}]"  
]  
}
```

Please Note that the default module name is setup module.

```
[devopsadmin@ip-172-31-81-101 ansible]$ ansible samplenode1 -m  
setup -a "filter=ansible_mounts"
```

How to just verify playbook syntax

```
[devopsadmin@ip-172-31-81-101 ansible] $ ansible-playbook display.yaml --  
syntax-check
```

USER DEFINED VARIABLE

```
[devopsadmin@ip-172-31-81-101 ansible]$ cat test_var-datatype.yaml
```

```
---
```

```
- hosts: samplenode1  
vars:  
  x: 23  
  my_num: 45.67  
  my_name: kaushik  
  my_b: YES  
tasks:  
- debug:  
  msg:  
    - "The value of x is: {{x}} and type: {{x|type_debug}}"  
    - "The value of my_num: {{my_num}} and type : {{my_num|type_debug}}"  
    - "The value of my_name : {{my_name}} and type:  
{{my_name|type_debug}}"  
    - "The value of my_b is: {{my_b}} and type : {{my_b|type_debug}}"
```

```
[devopsadmin@ip-172-31-81-101 ansible]$ ansible-playbook test_var-  
datatype.yaml
```

LOCATION STORAGE VARIABLE

```
[devopsadmin@ip-172-31-81-101 ansible]$ vi test_var-  
datatype.yaml  
[devopsadmin@ip-172-31-81-101 ansible]$ cat test_var-  
datatype.yaml
```

```
---
```

```
- hosts: samplenode1  
vars:
```

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```
x: 23
my_num: 45.67
my_name: kaushik
my_b: YES
tasks:
- debug:
    msg:
      - "The value of x is: {{x}} and type:
{{x|type_debug}}"
      - "The value of my_num: {{my_num}} and type :
{{my_num|type_debug}}"
      - "The value of my_name : {{my_name}} and
type: {{my_name|type_debug}}"
      - "The value of my_b is: {{my_b}} and type :
{{my_b|type_debug}}"
[devopsadmin@ip-172-31-81-101 ansible]$ clear
[devopsadmin@ip-172-31-81-101 ansible]$ mkdir
variables
[devopsadmin@ip-172-31-81-101 ansible]$ cd variables
[devopsadmin@ip-172-31-81-101 variables]$ vi
varfile_datatype1.yaml
[devopsadmin@ip-172-31-81-101 variables]$ cat
varfile_datatype1.yaml
x: 23
my_num: 45.67
my_name: kaushik
my_b: YES
[devopsadmin@ip-172-31-81-101 variables]$ cd
[devopsadmin@ip-172-31-81-101 ~]$ cd /etc/ansible
[devopsadmin@ip-172-31-81-101 ansible]$ ls
ansible.cfg  file1.txt  inventory1  test_var-
datatype.yaml
display.yaml  hosts      roles      variables
[devopsadmin@ip-172-31-81-101 ansible]$ ll
total 40
-rw-r--r-- 1 devopsadmin devopsadmin 19985 Jul  1
2021 ansible.cfg
-rw-rw-r-- 1 devopsadmin devopsadmin   272 Apr 27
16:14 display.yaml
-rw-rw-r-- 1 devopsadmin devopsadmin   20 Apr 26
14:20 file1.txt
-rw-r--r-- 1 devopsadmin devopsadmin 1182 Apr 26
12:55 hosts
-rw-rw-r-- 1 devopsadmin devopsadmin   72 Apr 26
13:25 inventory1
drwxr-xr-x 2 devopsadmin devopsadmin    6 Jul  1
2021 roles
-rw-rw-r-- 1 devopsadmin devopsadmin  424 Apr 27
17:01 test_var-datatype.yaml
```

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```
drwxrwxr-x 2 devopsadmin devopsadmin    36 Apr 27
17:13 variables
[devopsadmin@ip-172-31-81-101 ansible]$ vi
test_var_datatype1.yaml
[devopsadmin@ip-172-31-81-101 ansible]$ cat
test_var_datatype1.yaml
---
- hosts: samplenode1
  vars_files:
    - /etc/ansible/variables/varfile_datatype1.yaml
  tasks:
    - debug:
        msg:
          - "The value of x is: {{x}} and type:
            {{x|type_debug}}"
          - "The value of my_num: {{my_num}} and type :
            {{my_num|type_debug}}"
          - "The value of my_name : {{my_name}} and
            type: {{my_name|type_debug}}"
          - "The value of my_b is: {{my_b}} and type :
            {{my_b|type_debug}}"
[devopsadmin@ip-172-31-81-101 ansible]$ ansible-
playbook test_var_datatype1.yaml

PLAY [samplenode1]
*****
*****

TASK [Gathering Facts]
*****
****
fatal: [samplenode1]: UNREACHABLE! => {"changed":
false, "msg": "Failed to connect to the host via ssh:
ssh: connect to host 172.31.93.37 port 22: No route
to host", "unreachable": true}

PLAY RECAP
*****
*****
samplenode1          : ok=0    changed=0
unreachable=1        failed=0    skipped=0    rescued=0
ignored=0

[devopsadmin@ip-172-31-81-101 ansible]$
```

Ansible PLAYBOOK Commands

PLAYBOOK MODIFICATIONS

ansible-playbook test_var-datatype1.yaml

Create playbook : with user-defined variables.
with the system variables.
using external files.

official documentation of ansible modules

https://docs.ansible.com/ansible/2.9/modules/list_of_all_modules.html