



DevOps -2022-b-online

BY

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Inventory file syntax:

First create our servers:

<input type="checkbox"/>	main	i-07713fa7436f892e3	✔ Running
<input type="checkbox"/>	node1	i-0c17087b3150b3c75	✔ Running
<input type="checkbox"/>	node2	i-05faee555577f8c99	✔ Running
<input type="checkbox"/>	db_server	i-0106fc3c12b429058	✔ Running

Then in main server install “ansible”:

```
ubuntu@ip-172-31-29-250:~/Desktop$ ansible --version
ansible [core 2.12.7]
  config file = /etc/ansible/ansible.cfg
  configured module search path = ['/home/ubuntu/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']
  ansible python module location = /usr/lib/python3/dist-packages/ansible
  ansible collection location = /home/ubuntu/.ansible/collections:/usr/share/ansible/collections
  executable location = /usr/bin/ansible
  python version = 3.10.4 (main, Apr  2 2022, 09:04:19) [GCC 11.2.0]
  jinja version = 3.0.3
  libyaml = True
```

Let's create our ansible work space, and create file ansible.cfg

```
ubuntu@ip-172-31-29-250:~/Desktop/ansible-workspace$ cat ansible.cfg
[defaults]
inventory = hosts-inv1
```

Use the below table for information about credentials.

Alias	Host	Connection	User	Password
Web1	Server1.company.com	SSH	root	Pass@123
Web2	Server2.company.com	SSH	root	Pass@234
Web3	Server3.company.com	SSH	Root	pass
Db1	Sever4.company.com	Windows	Admin	Password@123

Also, group all the web servers under [web_server] and db under

[db_servers] Create another group with name "all_servers" which has both

web_servers and db_serevrs

```
ubuntu@ip-172-31-29-250:~/Desktop/ansible-workspace$ cat hosts-inv1
[web_server]
web1 ansible_host=ec2-54-175-248-77.compute-1.amazonaws.com ansible_connection=ssh ansible_user=root ansible_ssh_pass=Pass@123
web2 ansible_host=ec2-54-145-24-173.compute-1.amazonaws.com ansible_connection=ssh ansible_user=root ansible_ssh_pass=Pass@234
web3 ansible_host=ec2-3-88-176-188.compute-1.amazonaws.com ansible_connection=ssh ansible_user=Root ansible_ssh_pass=pass

[db_servers]
Db1 ansible_host=ec2-54-242-250-107.compute-1.amazonaws.com ansible_connection=winrm ansible_user=Admin ansible_password=Password@123

[all_servers]
web1 ansible_host=ec2-54-175-248-77.compute-1.amazonaws.com ansible_connection=ssh ansible_user=root ansible_ssh_pass=Pass@123
web2 ansible_host=ec2-54-145-24-173.compute-1.amazonaws.com ansible_connection=ssh ansible_user=root ansible_ssh_pass=Pass@234
web3 ansible_host=ec2-3-88-176-188.compute-1.amazonaws.com ansible_connection=ssh ansible_user=Root ansible_ssh_pass=pass
Db1 ansible_host=ec2-54-242-250-107.compute-1.amazonaws.com ansible_connection=winrm ansible_user=Admin ansible_password=Password@123
```

list all the hosts:

```
ubuntu@ip-172-31-29-250:~/Desktop/ansible-workspace$ ansible -i hosts-inv1 --list-hosts all
hosts (4):
  web1
  web2
  web3
  Db1
```

Or

```
ubuntu@ip-172-31-29-250:~/Desktop/ansible-workspace$ ansible --list-hosts all_servers
hosts (4):
  web1
  web2
  web3
  Db1
```

list down only the web servers:

```
ubuntu@ip-172-31-29-250:~/Desktop/ansible-workspace$ ansible --list-hosts web_server
hosts (3):
  web1
  web2
  web3
```

list down only the db servers:

```
ubuntu@ip-172-31-29-250:~/Desktop/ansible-workspace$ ansible --list-hosts db_servers
hosts (1):
  Db1
```