ANSIBLE CLASS-1

MASTER-SLAVE CONCEPT :

STEP-1: LAUNCH 5 INSTANCE (1-MASTER, 4-SLAVE)

STEP-2: INSTALL ANSIBLE, PYTHON AND PIP ON MASTER SERVER

amazon-linux-extras install ansible2 -y

yum install python-pip -y

STEP-3: ADD ANSIBLE USER IN ANSIBLE SERVER (**useradd ansible**)

STEP-4: SET A PASSWORD TO USER IN ANSIBLE SERVER (**passwd ansible**)

STEP-5: GIVE ROOT PERMISSIONS TO ANSIBLE USER

   visudo ---> 100 line (100gg)

```
## Allow root to run any commands anywhere
root      ALL=(ALL)         ALL
ansible  ALL=(ALL)         NOPASSWD: ALL
```

add these second line (ansible ALL=(ALL) NOPASSWD: ALL)

now save & quit from the file

STEP-6: NOW WE HAVE TO SAY YES TO PASSWORD AUTHNETICATION

   vi /etc/ssh/sshd_config ----> 63 line (63gg)

```
PasswordAuthentication yes
```

change the password authentication from **no to yes**

STEP-7: RESTART SSHD (**systemctl restart sshd**)

STEP-8: LOGIN AS ANSIBLE USER (**su - ansible**)

STEP-9: GENERATE A KEY IN ANSIBLE USER ON MASTER SERVER (**ssh-keygen**)

It will generate 2 keys (public & private)

STEP-10: COPY THE PUBLIC KEY TO ALL SLAVE SERVERS (**ssh-copy-id ansible@slave_ip**)

STEP-11: LOGIN TO THE SLAVE (**ssh ansible@slave_ip**)

NOW ITS TIME TO CHANGE ANSIBLE CONFIGURATIONS:

STEP-12: EXIT FROM ANSIBLE USER ON MASTER SERVER (**exit**), so we will be in root user

STEP-13 : ENBALE ANSIBLE INVENTORY AND SUDO USER (**vi /etc/ansible/ansible.cfg**)

```
[defaults]

# some basic default values...

inventory        = /etc/ansible/hosts
#library          = /usr/share/my_module
#module_utils     = /usr/share/my_module
#remote_tmp       = ~/.ansible/tmp
#local_tmp        = ~/.ansible/tmp
#plugin_filters_cfg = /etc/ansible/plu
#forks            = 5
#poll_interval    = 15
sudo_user        = root
#ask_sudo_pass = True
#ask_pass         = True
#transport        = smart
#remote_port      = 22
#module_lang      = C
#module_set_locale = False
```

save & quit from the file

STEP-14: ADD INVENTORIES (**vi /etc/ansible/hosts**)

```
# Ex 2: A collection of hosts belonging to the 'webservers' group
[dev]
172.31.34.110
172.31.35.94

[test]
172.31.38.217
172.31.40.252
## [webservers]
```

HERE dev & test is the group names

save & quit from the file

STEP-15: TO CHECK WITH SLAVE SERVER CONNECTION

login as ansible user : **su - ansible**

to check the connection : **ansible all --list-hosts**