Ambari Installation –

1. Create spot request of 4 Instances – follow the steps  
   - Select ubuntu as **AMI  
   - Instance type-** m4large ; copy the price which is in price column  
   - SIZE – 30GB  
   - Select the security groups  
   - Select the private key   
   - Set ur max price – paste the copied price  
   - Click on **Launch**
2. **Now choose one instance and connect to ubuntu server using public ip address.**
3. **Send the .pem key to server by exceuting command**pscp –i key.ppk key.pem ubuntu@*ip-address*:/home/ubuntu

$chmod 400 key.pem – change the permission of key  
  
copy the key to .ssh/ folder   
$cp key.pem .ssh/

1. **Now will configure the DNS  
   -** Copy all the private ip-address and paste it in notepad.  
   - Copy all the private DNS name and paste it in notepad  
   - Now paste Private DNS names in front of Ip-address   
   - goto .ssh of server $ cd .ssh/  
   - **$sudo nano /etc/hosts**- comment # infront of loopback address i.e. #127.0.  
   and paste the hostnames.
2. **Set the .profile**- $sudo nano .profile  
   - eval `ssh-agent` ssh-add /home/ubuntu/.ssh/key.pem  
   - $cat .profile  
   - $source .profile
3. **Copy .pem file to all the nodes  
   - $ scp key.pem** [**ubuntu@ip-addr:/home/ubuntu/.ssh**](mailto:ubuntu@ip-addr:/home/ubuntu/.ssh)- do this for all the node just change the ip-address.  
     
   -Now the key has been copied to all the servers.
4. **Next will copy .profile to all the servers  
   - $ scp .profile ubuntu@*ip-addr:*/home/ubuntu**- do this for all the node just change the ip-address.  
     
   - try to connect to all the servers by using ssh
5. **Configure DNS on all the servers**- $ ssh ip-addr  
   - $ sudo nano /etc/hosts  
   - do this all for all the other servers.
6. **Choose any instance to install Ambari**upgrade the server   
    $sudo apt-get update && sudo apt-get dist-upgrade –y  
     
   will install ntp for time syncronization between the servers

$sudo apt-get install ntp –y

to check the ntp services status

$sudo service ntp status

to start the ntp services

$sudo service ntp start

**now go to the below location and open the file**

$sudo nano /etc/rc.local

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#Add these lines:

if test -f /sys/kernel/mm/transparent\_hugepage/enabled; then

echo never > /sys/kernel/mm/transparent\_hugepage/enabled

fi

if test -f /sys/kernel/mm/transparent\_hugepage/defrag; then

echo never > /sys/kernel/mm/transparent\_hugepage/defrag

fi

#Install and start Ambari server Ambari version 2.2.0

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cd /etc/apt/sources.list.d

download ambari.list file provided by hortonworks to install amabri releated services

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sudo wget http://public-repo-1.hortonworks.com/ambari/ubuntu14/2.x/updates/2.2.0.0/ambari.list

#Add the key to authenticate Ambari package

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sudo apt-key adv --recv-keys --keyserver keyserver.ubuntu.com B9733A7A07513CAD

to verify server repository again run the below command

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sudo apt-get update && sudo apt-get dist-upgrade -y

to install ambari server

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sudo apt-get install ambari-server -y

to setup the ambari server

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sudo ambari-server setup

to start the ambari server

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sudo ambari-server start

Save the instance to an image, call it “Ambari” Make sure to check “No reboot,” you'll be using this instance

as the Ambari server.

E.g. 52.66.119.133:8080

Login with admin credentials

admin

admin