**Prerequisites of Ambari-installation on AWS using Redhat-7**

centos 7

copy below in notepad++

52.90.64.134 ip-172-31-54-80.ec2.internal master

52.91.254.81 ip-172-31-50-102.ec2.internal slave

load .pem to S3 in public

convert .pem too .ppk >> load >> save private key

use centos@publicip

Sudo su

cd

* **> Disable Selinux** vi /etc/selinux/config SELINUX=disabled
* **> Check status of IPV6**

cat /proc/sys/net/ipv6/conf/all/disable\_ipv6

Output-->0 = 0 means success, so it is enabled. we have to disable it(make it 1 from 0).

**# To disable IPV6**

sudo su -c 'cat >>/etc/sysctl.conf <<EOL

net.ipv6.conf.all.disable\_ipv6 =1

net.ipv6.conf.default.disable\_ipv6 =1

net.ipv6.conf.lo.disable\_ipv6 =1

EOL'

* **> Setswappiness value to 0**

sysctl vm.swappiness=0

echo "vm.swappiness = 0" >>/etc/sysctl.conf

sysctl vm.swappiness

**==> Disable the transparent hugepages in each node**

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

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

**==> Disable firewalld**

systemctl status firewalld

systemctl stop iptables

systemctl disable iptables

systemctl disable firewalld

systemctl stop firewalld

service firewalld stop

**==> install ntpd – step wise**

sudo yum install –y ntp

systemctl is-enabled ntpd

systemctl enable ntpd.service

systemctl start ntpd.service

**==> umask**

echo umask 0022 >> /etc/profile

**==> ulimit**

**ulimit –Sn**

**ulimit –Hn**

**(If the output is not greater than 10000, run the following command to set it a suitable default)**

ulimit -n 10000

**#sysctl (configure kernel parameters at runtime**)

--> sudo sysctl -p

# to copy .pem from S3 and install wget

yum install wget -y

#exit from root

exit

cd.ssh

ls

wget <S3 link>

chmod 400 <keyname>

cd

**==> for password less login between all AWS instances**

**Send the .pem key in ec2-instaces (home/ec2-user/.ssh)**

sudo vi .bash\_profile

eval `ssh-agent` ssh-add /home/centos/.ssh/<key name .pem>

eval `ssh-agent` ssh-add /home/centos/.ssh/wiprohortonworks.pem

source .bash\_profile

#update /etc/hosts as root

52.90.64.134 ip-172-31-54-80.ec2.internal master

52.91.254.81 ip-172-31-50-102.ec2.internal slave

# restart machine as root

Reboot

# on both machine

sudo service ntpd status

sudo service ntpd restart

##########################################################################################################

yum install –y wget

sudo su

cd

wget http://public-repo-1.hortonworks.com/ambari/centos7/2.x/updates/2.5.2.0/ambari.repo -O /etc/yum.repos.d/ambari.repo

yum repolist

yum install ambari-server

y

ambari-server setup

y

n

1

Y

N

ambari-server status

ambari-server start

# copy public IP from EC2 AWS console of master

# open chrome to paste the public IP and port 8080

52.90.64.134:8080

# username password

admin

admin

launch install wizard > give cluster name > use pub repo (default, scroll bottom)> next > copy FQDN (ip-xx-xx-xx-xx; private IP) > upload .pem > mention username (centos, ec2-user, ubuntu) > reg and confirm > next > choose services from ecosystem > next > kep default > next > keep default, or choose > next > click on tabs showing red tick > hive tab > username/password as admin/admin > same for all red services > next > proceed anyway > deploy > it will automatically go to next step > it should be done automatically

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