Since you're creating a larger cluster now, the NameNode needs more memory to keep track of the metadata than what you used in the previous lesson.

From your EC2 dashboard, launch an instance. Again, choose Ubuntu server. The t2.micro instance won't work anymore, instead, you should use m3.large since it has 7.5 GB of memory.

Just one instance is fine for now. Next, choose 30 GB of storage for the instance.

TAG it "Ambari server."

Then you're going to configure the security group. You'll need to add a rule to allow access to the Ambari web client. Add a Custom TCP Rule, set the port to 8080, and leave the source as all these zeros. Here you'll be leaving it open to anyone. Typically you'd restrict the source address so that only your organization could access the client.

Finally, launch your instance! Again, you'll need a private key, you'll most likely want to use the one you created in the previous lesson. You should be able to select it from the drop down menu. If not, create a new key and download it.

ssh -i /path/to/key\_file.pem [ubuntu@DNS\_hostname](mailto:ubuntu@DNS_hostname)

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

sudo apt-get install ntp -y

sudo service ntp status

sudo service ntp start

sudo nano /etc/rc.local

#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

scp -i key\_file.pem key\_file.pem [ubuntu@server\_public\_hostname](mailto:ubuntu@server_public_hostname):~/.ssh/

<https://cwiki.apache.org/confluence/display/AMBARI/Ambari+User+Guides>

cd /etc/apt/sources.list.d

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

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

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

sudo apt-get install ambari-server -y

sudo ambari-server setup

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