Setup Guide for HDP Developer: Apache Pig and Hive

Revision 5
Hortonworks University

System Requirements

The following is the recommended minimal system requirements:

- Reasonably powerful **x86/amd64 hardware.** Intel Core2 Duo or AMD Athlon Dual-Core or equivalent or above.
- RAM: At least **2GB**
- Free disk space: **2GB**
- Network connection (either a LAN, or Internet link: broadband, cable, DSL, etc.)
- The following ports need to be open for OUTBOUND access from the student machines to Amazon Web Services:
  - 22
  - 80
  - 8080
  - 4000
- You must install **NoMachine client** on your computer to connect to AWS-based lab environment**:** https://www.nomachine.com/download

IMPORTANT: If you have any issues or questions, please send an email to training-support@hortonworks.com.

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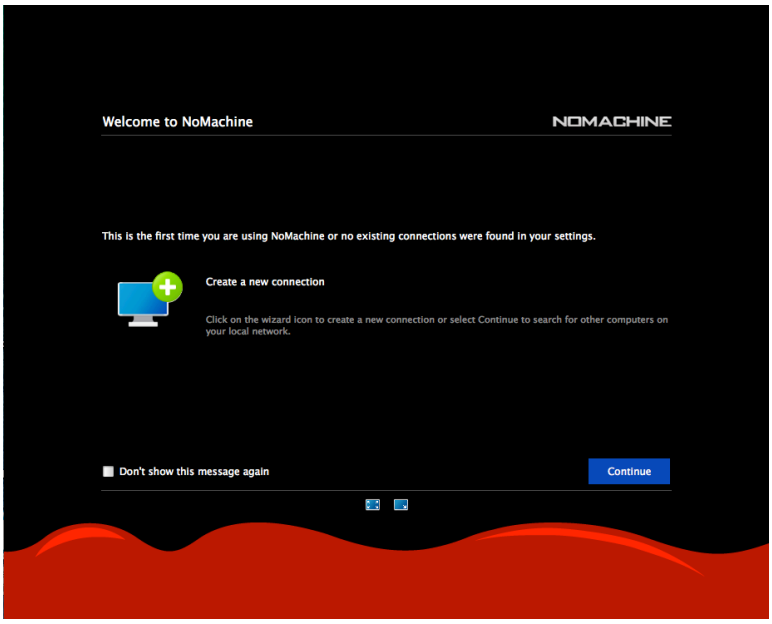
Connect to AWS VM using NoMachine client

Objective:	To connect and test AWS lab VM using NoMachine Remote Desktop client.
Before You Begin:	• You need to execute these steps during the class. • Make sure your hardware meets the requirements listed above. • NoMachine client is already available on the computer. • The instructor has already provided an IP address for the AWS VM.

Step 1: Connect to AWS VM using NoMachine client

1.1. Start NoMachine client and click on 'Continue':



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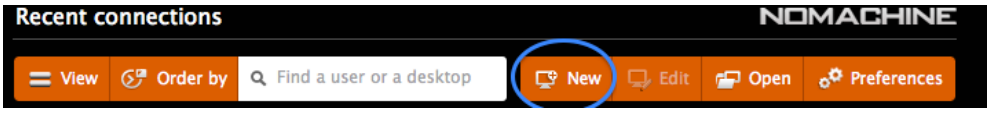
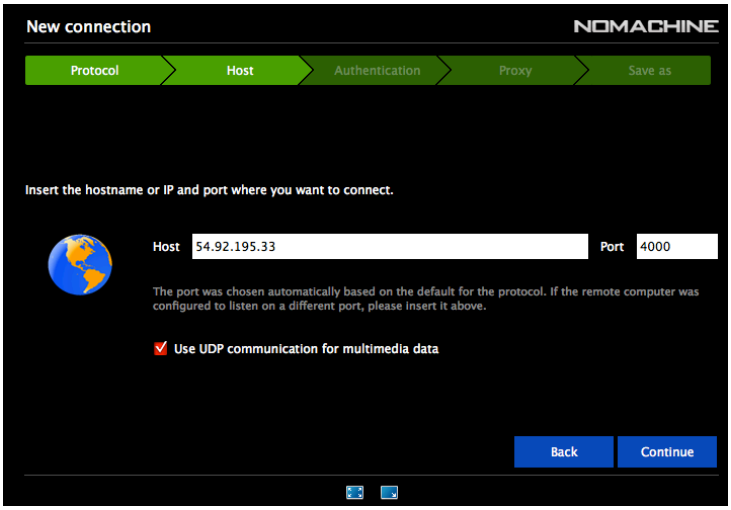
1.2. Click on ‘New’:



1.3. Make sure selected ‘Protocol’ is ‘NX’ and click on ‘Continue’:

1.4. Enter the IP Address provided by your instructor in ‘Host’ text-field and make sure value for Port is ‘4000’. Click on ‘Continue’:



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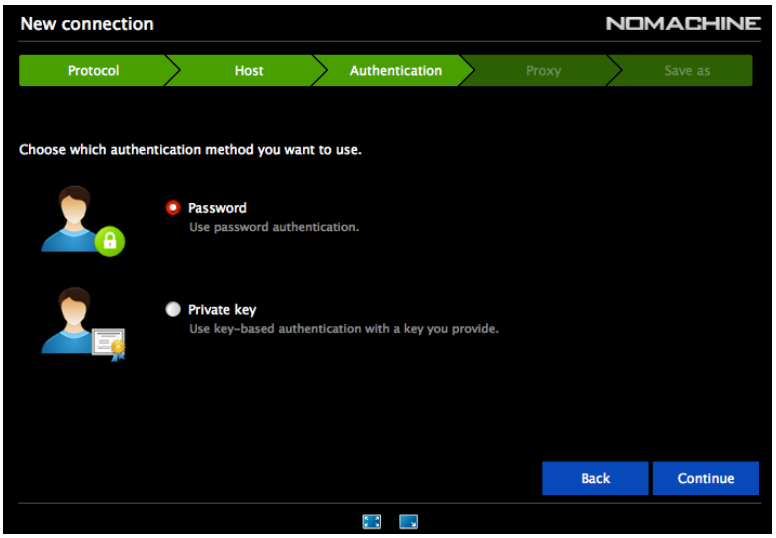
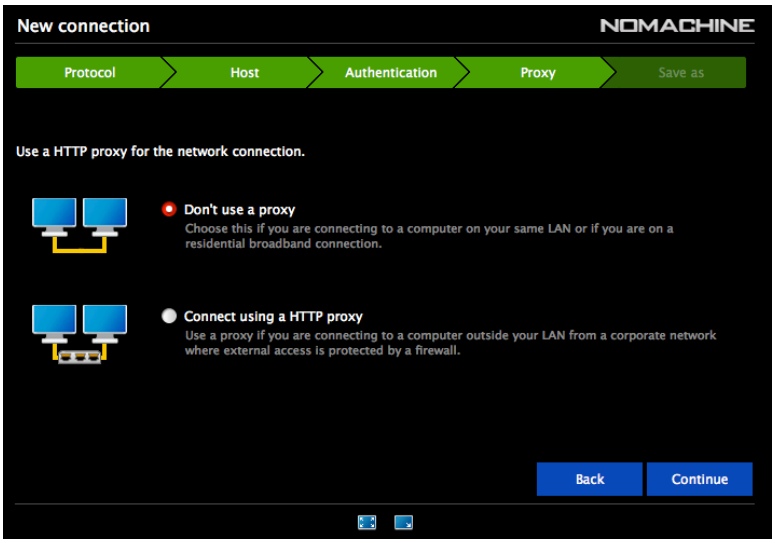
1.5. Now select all default settings and keep clicking on ‘Continue’:





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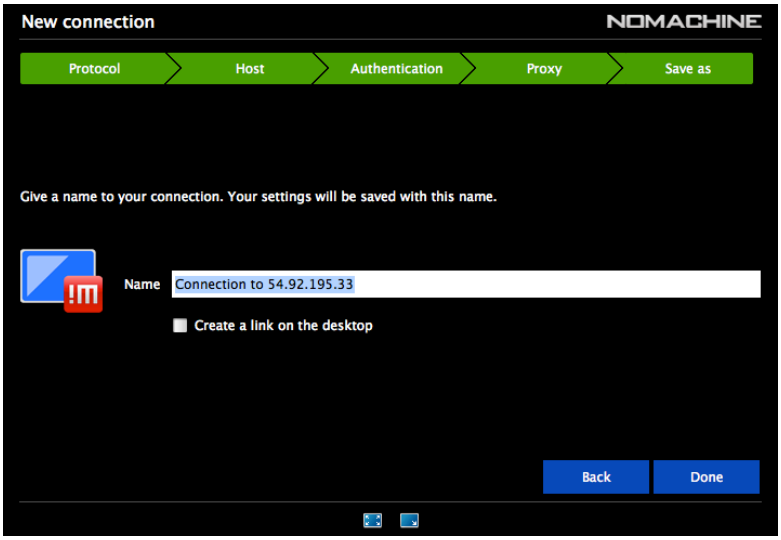
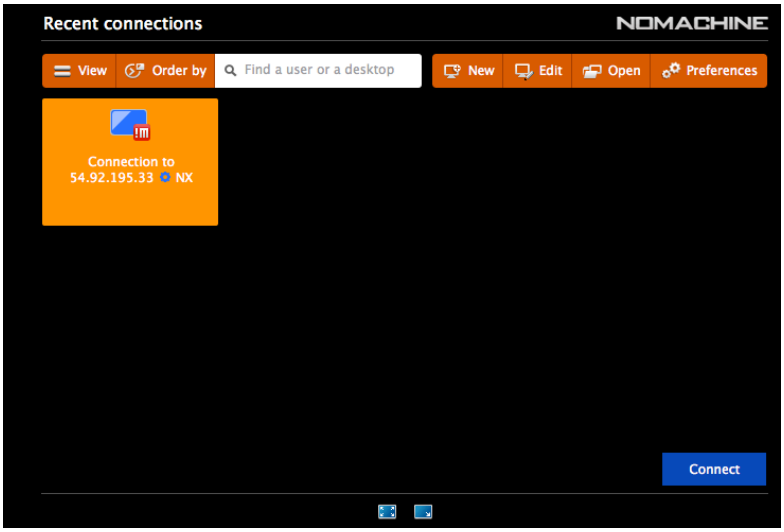
1.6. Click on ‘Done’, once you see below screen:



1.7. Select the newly created connection and Click on ‘Connect’:



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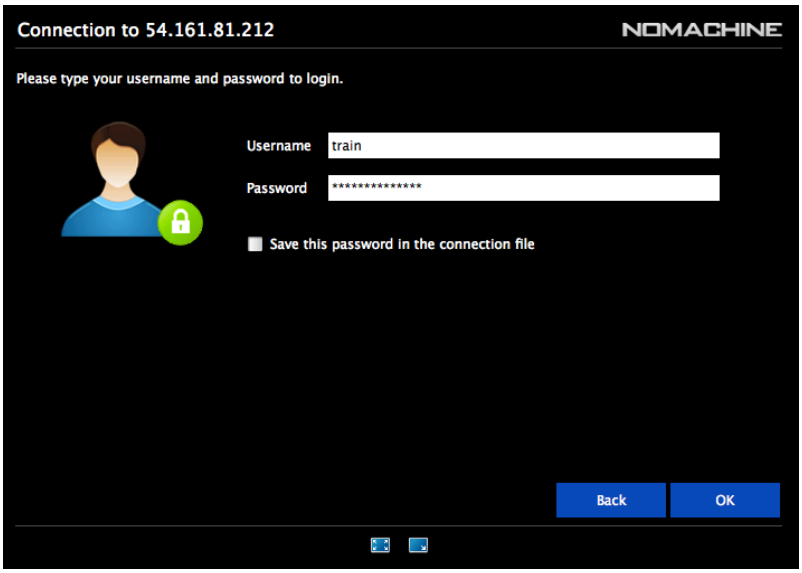
1.8. Enter Username (train) and Password (It will be provided by the instructor). Click on 'OK':



1.9. From this point, keep clicking on 'OK' to retain default settings until you see a login screen:

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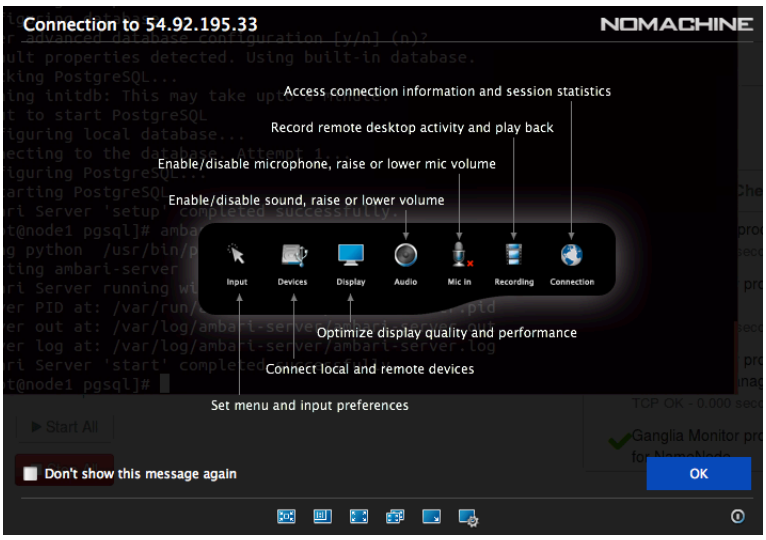

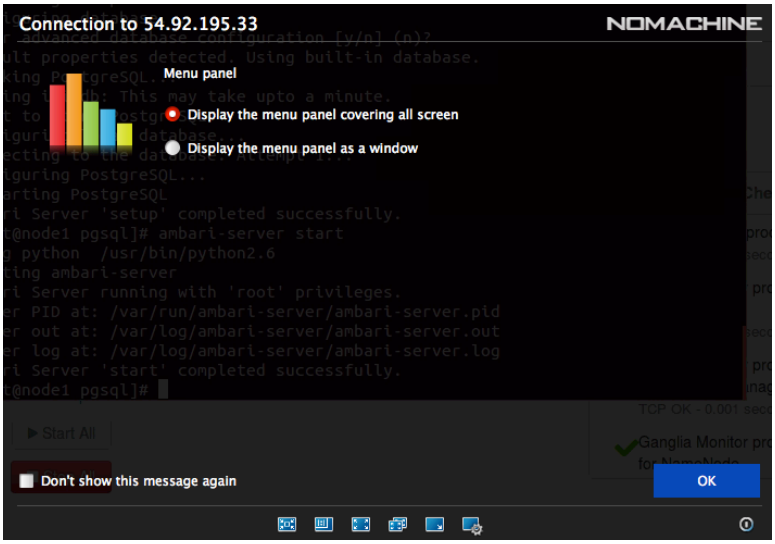

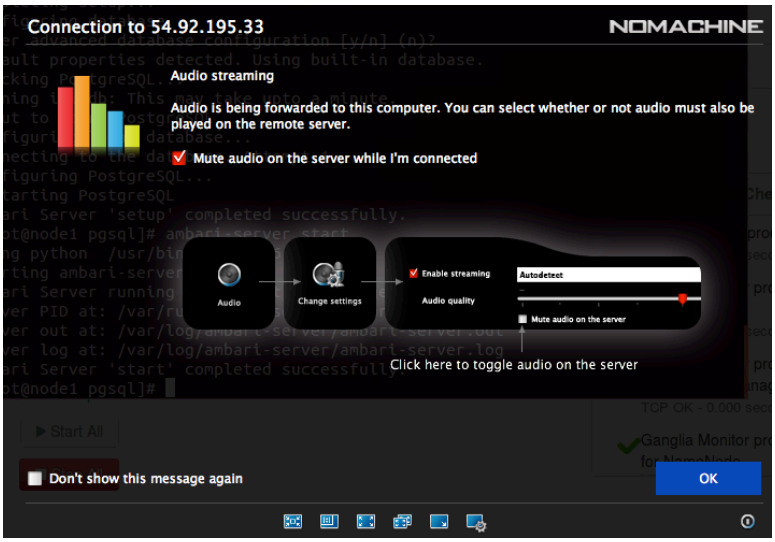

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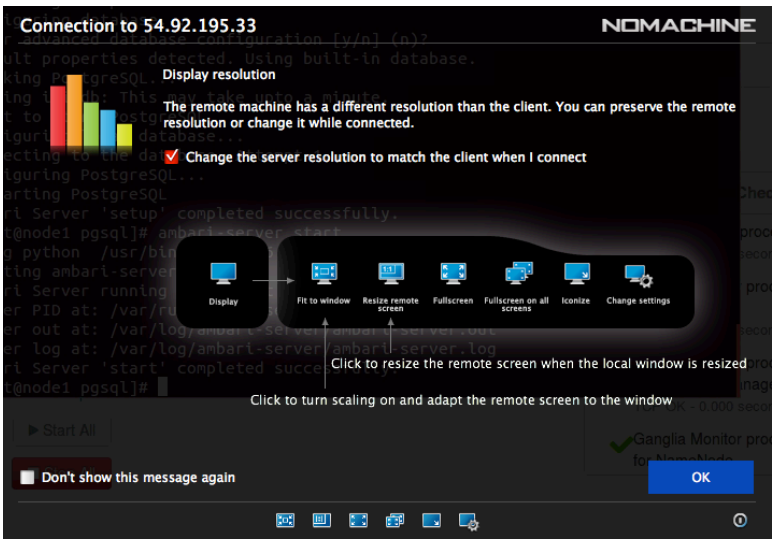
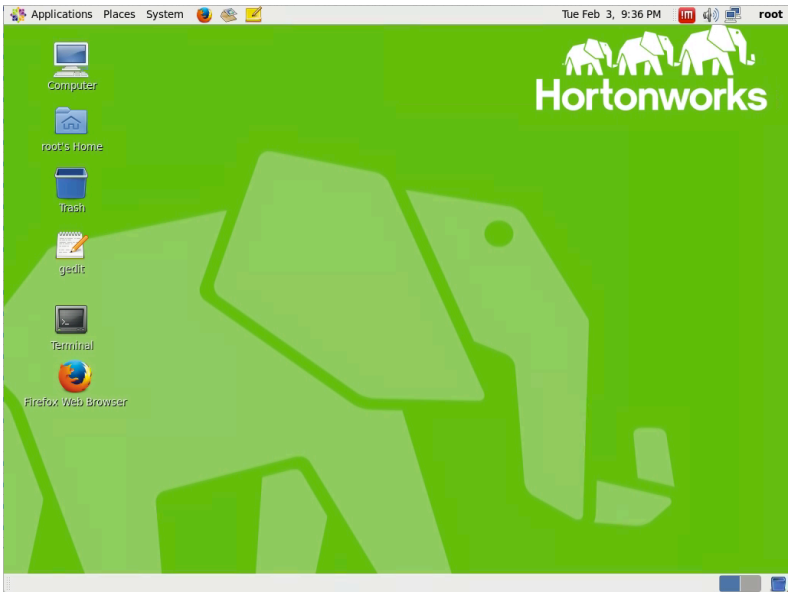


1.10. Now, you will be connected to AWS VM and you should see the following:



1.11. Double click on Terminal icon:

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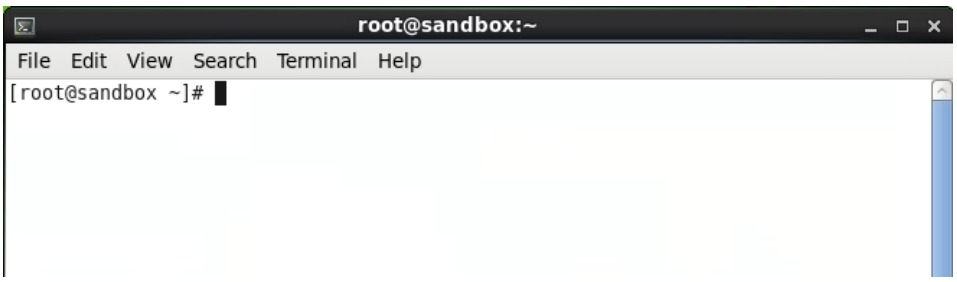
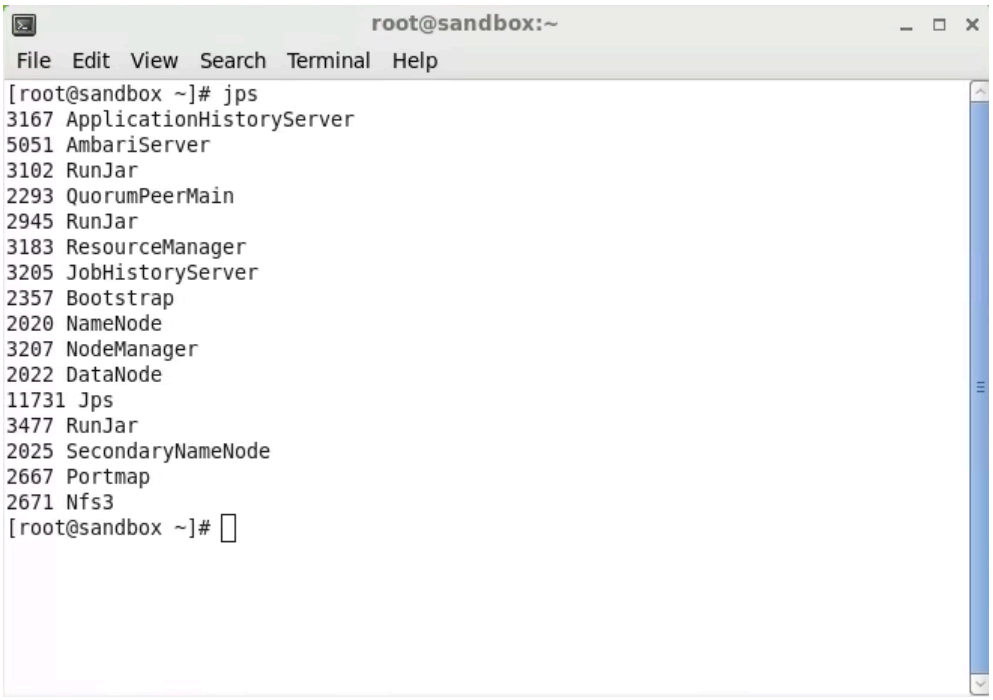


1.12. Wait for few minutes and enter following commands to verify all the components of the cluster are running:

```
# jps
```

You should see a list of hadoop daemons running on this VM:



RESULT: You should be connected to the classroom VM running on AWS.

IMPORTANT: If any of these steps failed, or if you have any issues or questions, please contact to your instructor OR send an email to training-support@hortonworks.com.

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