Local Configuration with Spark and Example Usage

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Abstract

Example of a Citation[1, p.219]. Here's Another Citation[2]

Installation of Apache Zeppelin on Ubuntu

Apache Zeppelin is one of the most powerful Spark interactive shell and widely used for research groups around the globe and currently supported with numerous popular interpreters[3]. However, the installation of Zeppelin on local computer is not a easy work and it is easy to lost to those who are new to Spark or Linux. So hereby, I would like to introduce a way to easily install Zeppelin on Ubuntu system (either on dual system or virtual machine). In my case, I have a virtual machine installed with Ubuntu, provided by VMWare[4]. If you are working on the UROP project in HKUST, a 60-days free trial should be enough. Otherwise, you might consider using VirtualBox[5] instead.

Make sure your local computer have fulfill these prerequisites:

- Ubuntu system on virtual machine / dual boot system

- Only paste the command after $ sign to your shell

Step 1: Install homebrew

- Initiate your ubuntu system.

- Press Ctrl + Alt + T to open a terminal.

- Paste the following command into it.

  ```
  \$ sudo apt install linuxbrew-wrapper
  ```

- Then press Enter.

- The installation should be complete quite shortly

Installation of Jupyter Notebook with Spark on Windows

sdlkfkj

Failed Attempts

klsdkfj

Introduction to Spark Usage (on Jupyter)

kdjfslkfj

The Pipeline of Analysis

lksfjklsd

Model Construction with MLlib

sdfsdf

Unresolved Problem

lskjdfl

Acknowledgement & Future Contact

Lab Notes, HelloWorld.ic, FooBar.ic

References

[1] Fred G. Martin

[2] Flueck, Alexander J. 2005. August 2005]. Available from World Wide Web: (http://www.ece.iit.edu/ flueck/ece100).

[3] Foundation, T. A. (n.d.). Apache Zeppelin. Retrieved August 3, 2018, from https://zeppelin.apache.org/

[4] VMware – Official Site. (2018, July 30). Retrieved August 3, 2018, from https://www.vmware.com/

[5] Welcome to VirtualBox.org! (n.d.). Retrieved August 3, 2018, from https://www.virtualbox.org/