### **Installation: Pseudo-Distributed**

- \$HADOOP\_CONF\_DIR/core-site.xml
  - Configurations for core of Hadoop, for example IO properties
- Specify location of Namenode

```
<name>fs.default.name
<value>hdfs://localhost:8020</value>
     <description>NameNode URI</description>
```

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#### Installation: Pseudo-Distributed

- \$HADOOP\_CONF\_DIR/hdfs-site.xml
  - Configurations for Namenode, Datanode and Secondary Namenode daemons

### **Shell Commands**

- Interact with FileSystem by executing shelllike commands
- Usage: \$hdfs dfs -<command> -<option> <URI>
  - Example \$hdfs dfs -ls /
- URI usage:
  - HDFS: \$hdfs dfs -ls hdfs://localhost/to/path/dir
  - Local: \$hdfs dfs -ls file:///to/path/file3
  - Schema and namenode host is optional, default is used from the configuration
    - In core-site.xml fs.default.name property

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# **Hadoop URI**

scheme://autority/path



hdfs://localhost:8020/user/home

Scheme and authority determine which file system implementation to use. In this case it will be HDFS

Path on the file system

# **Shell Commands**

- Most commands behave like UNIX commands
  - ls, cat, du, etc..
- Supports HDFS specific operations
  - Ex: changing replication
- List supported commands
  - \$ hdfs dfs -help
- Display detailed help for a command
  - \$ hdfs dfs -help <command\_name>

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## **Shell Commands**

- Relative Path
  - Is always relative to user's home directory
  - Home directory is at /user/<username>
- Shell commands follow the same format:
- \$ hdfs dfs -<command> -<option> <path>
- For example:
  - \$ hdfs dfs -rm -r /removeMe