**##Sqoop**

#=== Em um terminal, acesse o mysql pelo comando ===#

**mysql -uroot -pcloudera**

#=== Listar databases ===#

**show databases;**

#=== Listar tabelas de um database ===#

**show tables from retail\_db;**

#=== Importando uma tabela para o HDFS ===#

**sqoop import --table categories --connect jdbc:mysql://localhost/retail\_db --username root -password cloudera --warehouse-dir /user/aula/data/ --m 1 --delete-target-dir**

#=== Importando todas as tabela para o HDFS ===#

**sqoop import-all-tables --connect jdbc:mysql://localhost/retail\_db --username root --password cloudera --warehouse-dir /user/aula/data/ --m 1**

#=== Importando uma tabela para o Hive ===#

**sqoop import --table categories --connect jdbc:mysql://localhost/retail\_db --username root --password cloudera --warehouse-dir /user/aula/hive/ --m 1 --hive-import --hive-table aula.categories --hive-delims-replacement "SPECIAL"**

**##Flume**

#=== Instalar na vm ===#

**wget** [**http://archive.apache.org/dist/flume/1.7.0/apache-flume-1.7.0-bin.tar.gz**](http://archive.apache.org/dist/flume/1.7.0/apache-flume-1.7.0-bin.tar.gz)

#=== Extrair o conteúdo ===#

**tar -xzf apache-flume-1.7.0-bin.tar.gz**

**cd apache-flume-1.7.0-bi**

#=== Crie um arquivo properties do agent flume ===#

**vim ./conf/aula.properties**

**aula.sources = source1**

**aula.channels = channel1 aula.sinks = sink1**

**aula.sources.source1.type = netcat**

**aula.sources.source1.bind = localhost**

**aula.sources.source1.port = 44444**

**aula.sources.source1.channels = channel1**

**aula.channels.channel1.type = memory**

**aula.channels.channel1.capacity = 1000**

**aula.channels.channel1.transactionCapacity = 100**

**aula.sinks.sink1.type = logger**

**aula.sinks.sink1.channel = channel1**

#=== Iniciando o agent ===#

**bin/flume-ng agent --conf ./conf --conf-file ./conf/aula.properties --name aula -Dflume.root.logger=INFO,console**

#=== Em segundo plano ===#

**nohup bin/flume-ng agent --conf ./conf --conf-file ./conf/aula.properties --name aula &**

#=== Em Modo DEBUG ===#

**bin/flume-ng agent --conf ./conf --conf-file ./conf/aula.properties --name aula -Dflume.root.logger=DEBUG,console**

#=== Em um novo terminal, criar uma conexão telnet e digitar mensagens ===#

**telnet localhost 44444**