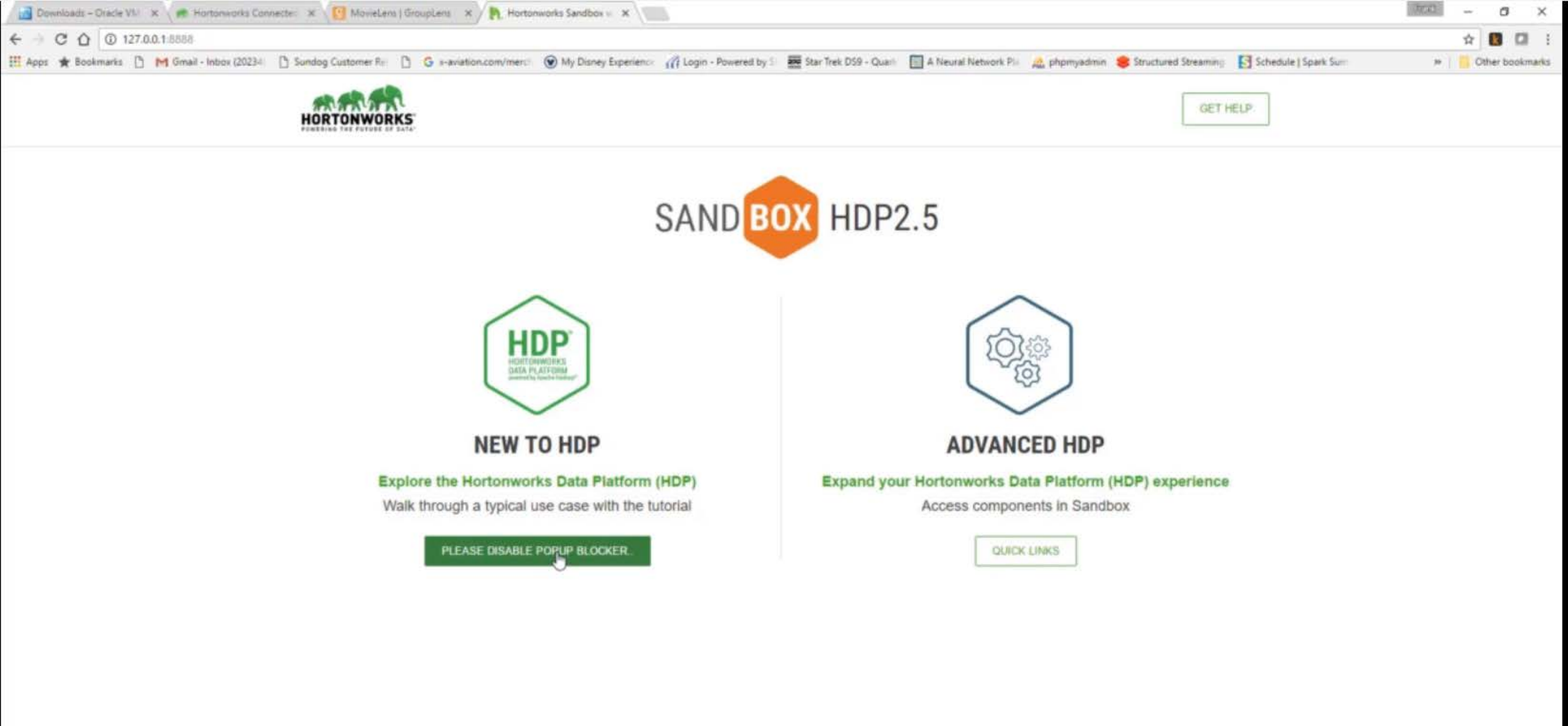
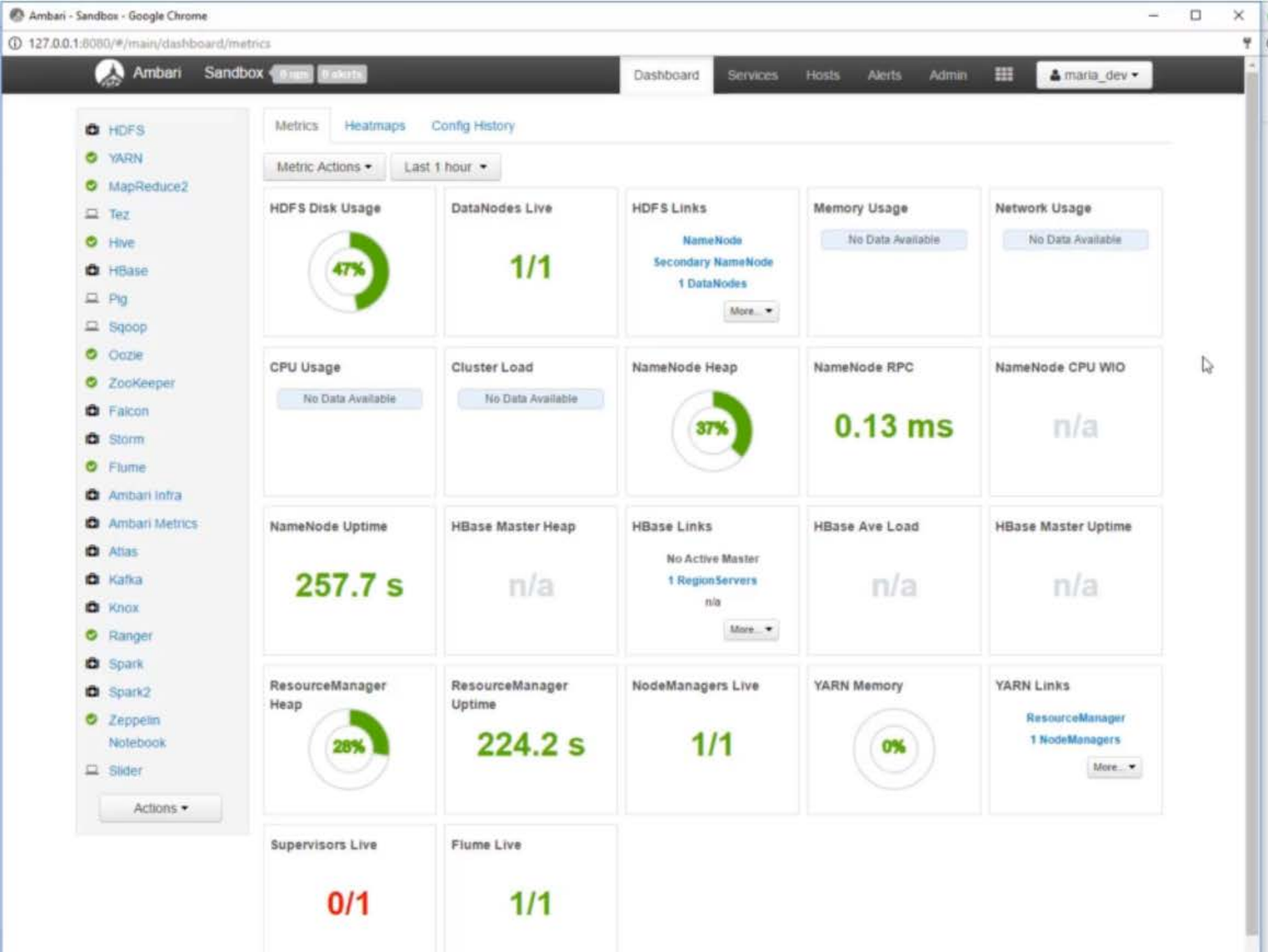
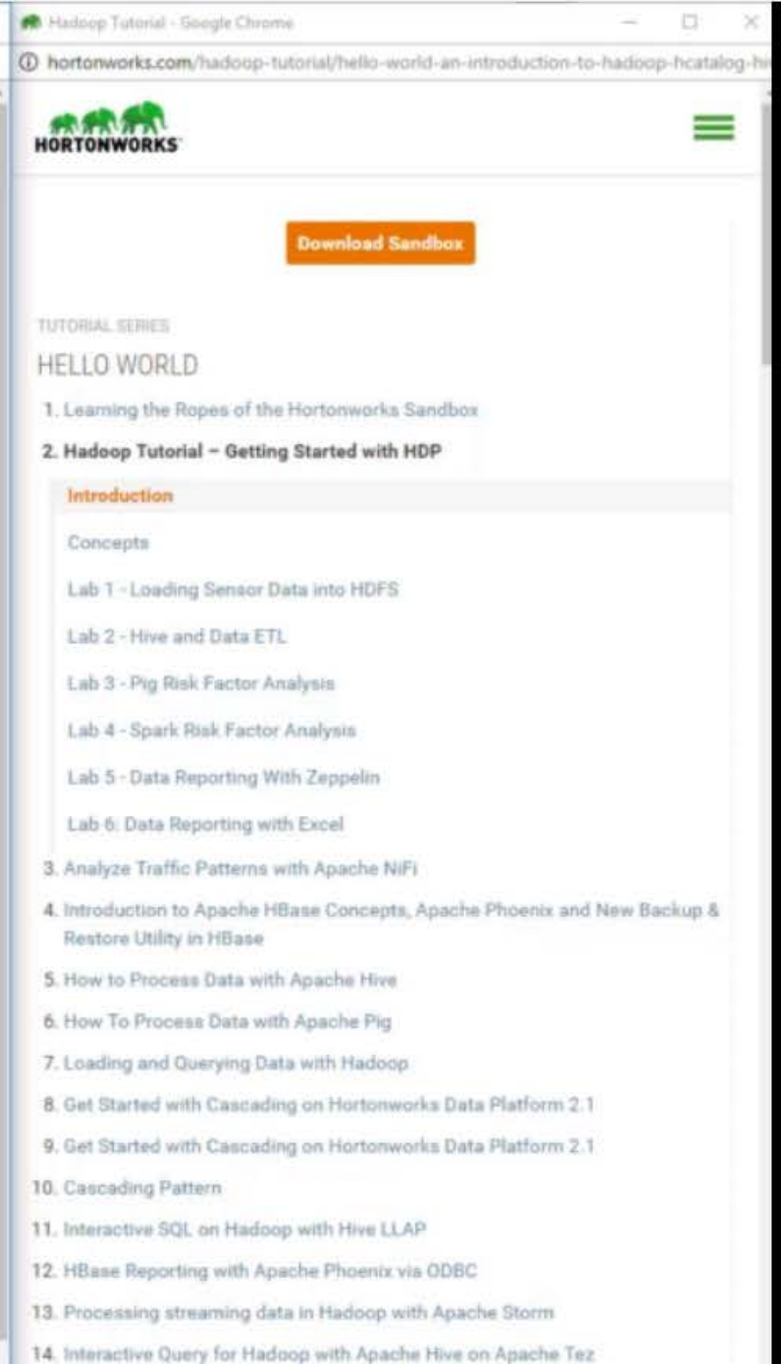
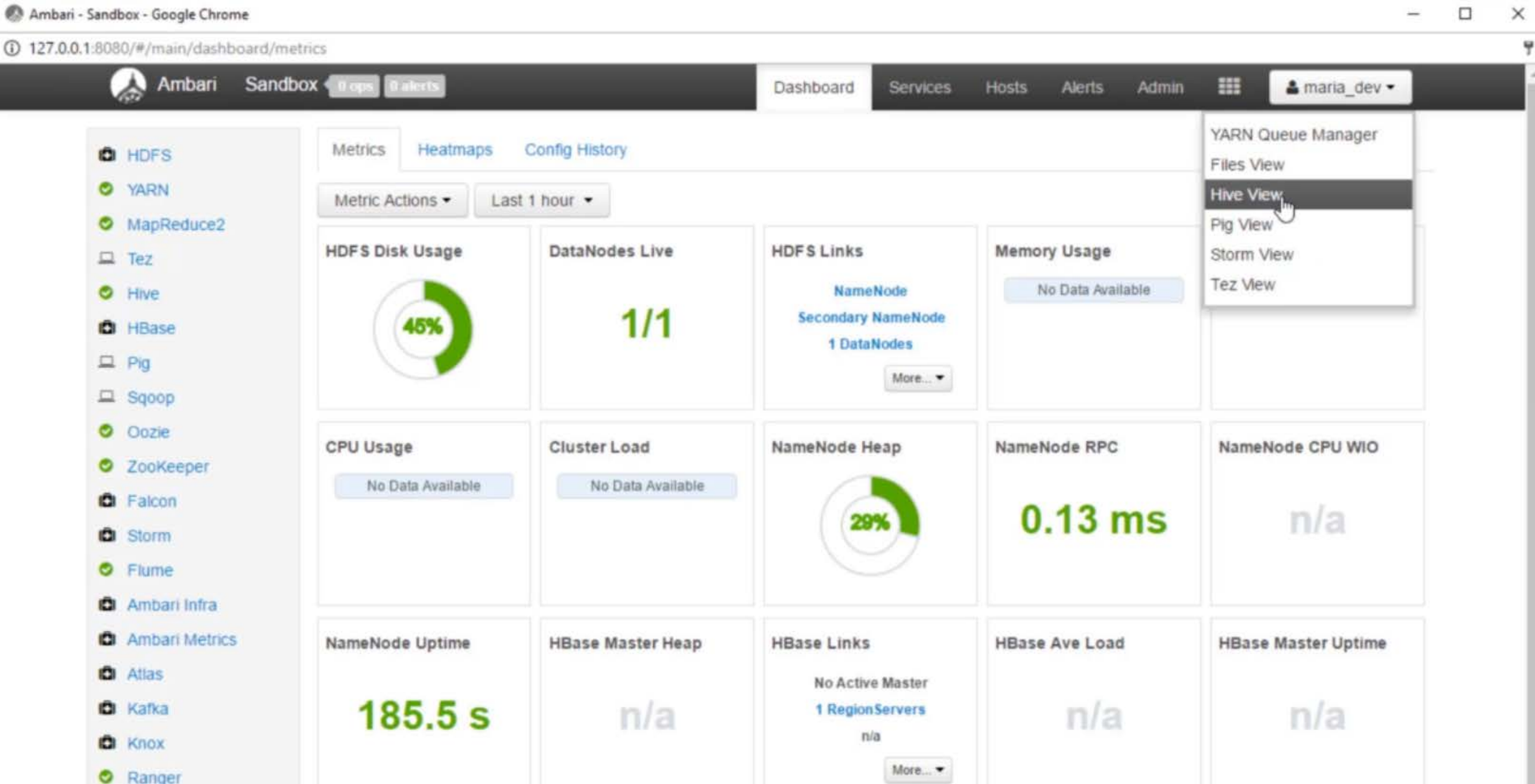
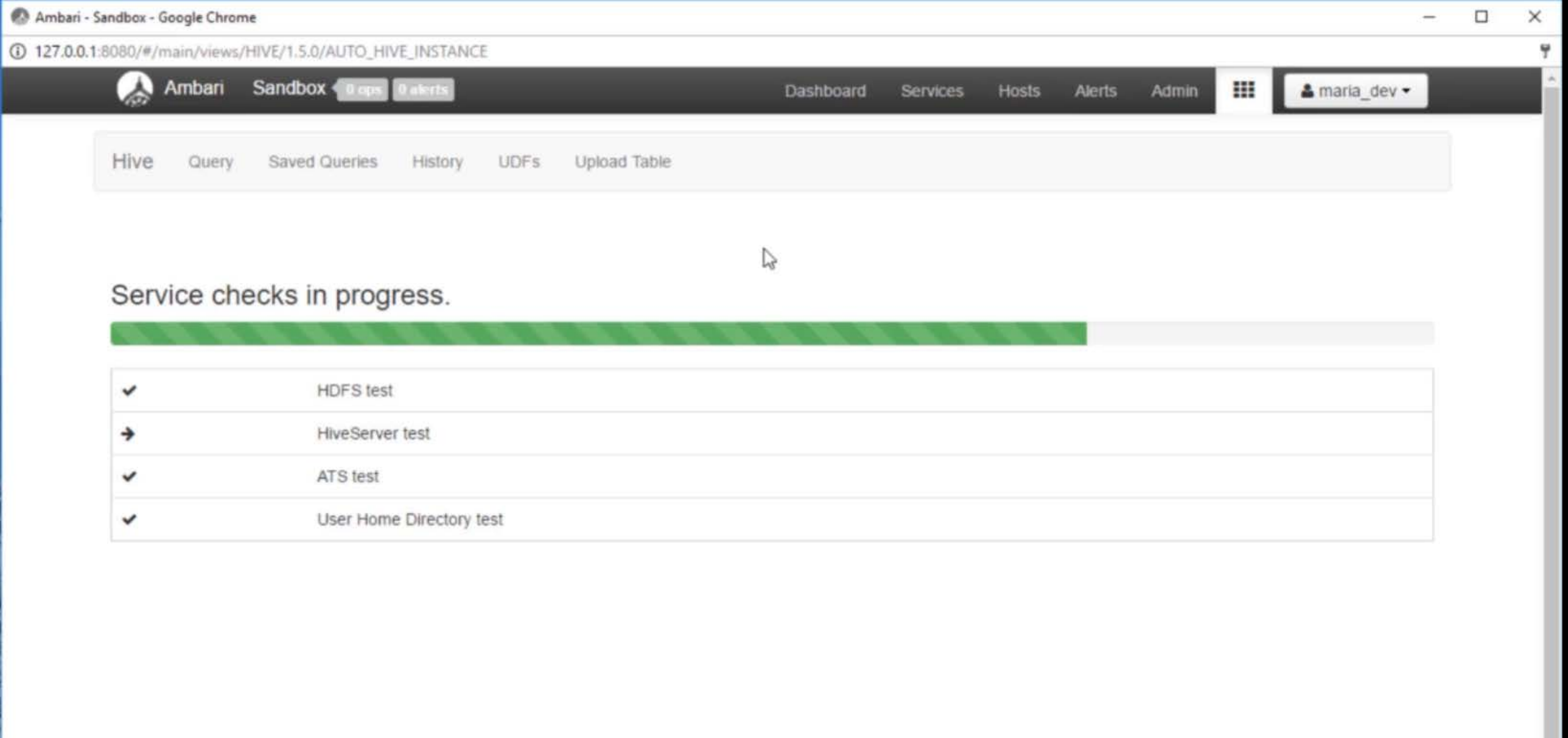

Downloads – Oracle VM
Hortonworks Connecte
MovieLens | GroupLens
Hortonworks Sandbox
127.0.0.1:8888
Apps
Bookmarks
Gmail - Inbox (2023
Sundog Customer Re
s-aviation.com/merch
My Disney Experience
Login - Powered by S
Star Trek DS9 - Quark
A Neural Network Pla
phpmyadmin
Structured Streaming
Schedule | Spark Sum
Other bookmarks
HORTONWORKS
GET HELP
SANDBOX HDP2.5
HDP
HORTONWORKS DATA PLATFORM
NEW TO HDP
Explore the Hortonworks Data Platform (HDP)
Walk through a typical use case with the tutorial
PLEASE DISABLE POPUP BLOCKER..
ADVANCED HDP
Expand your Hortonworks Data Platform (HDP) experience
Access components in Sandbox
QUICK LINKS

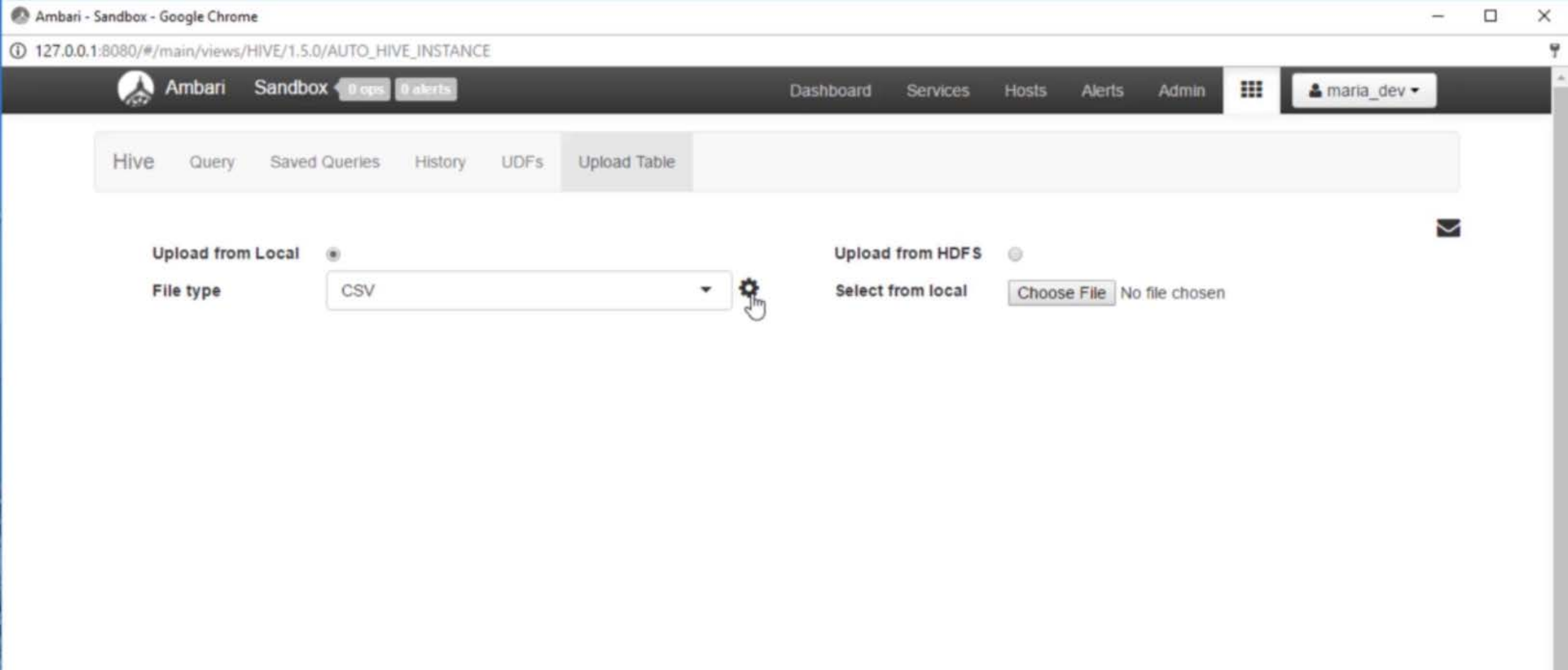

Sign in
Username
maria_dev
Password
Sign in

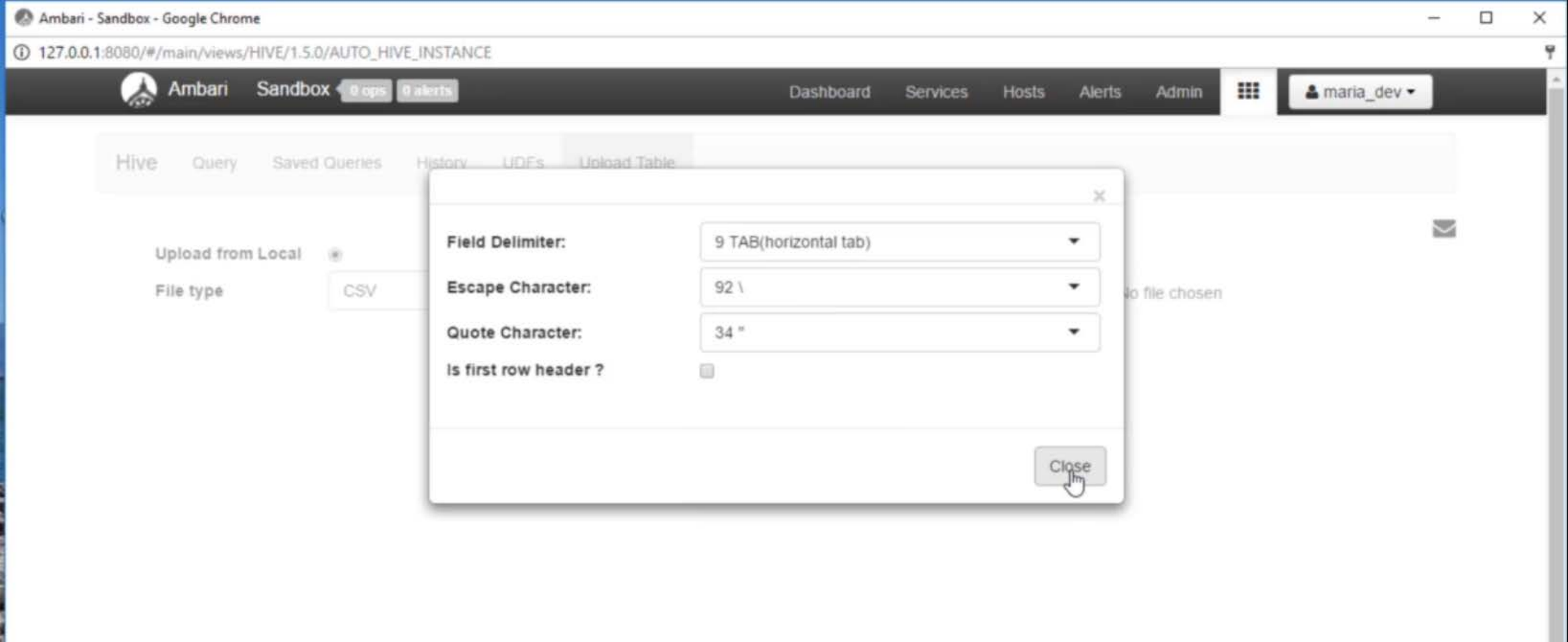

Ambari - Sandbox - Google Chrome
127.0.0.1:8080/#/main/dashboard/metrics
Ambari
Sandbox
Dashboard
Services
Hosts
Alerts
Admin
maria_dev
HDFS
YARN
MapReduce2
Tez
Hive
HBase
Pig
Sqoop
Oozie
ZooKeeper
Falcon
Storm
Flume
Ambari Infra
Ambari Metrics
Atlas
Kafka
Knox
Ranger
Spark
Spark2
Zeppelin Notebook
Slider
Actions
Metrics
Heatmaps
Config History
Metric Actions
Last 1 hour
HDFS Disk Usage
47%
DataNodes Live
1/1
HDFS Links
NameNode
Secondary NameNode
1 DataNodes
More...
Memory Usage
No Data Available
Network Usage
No Data Available
CPU Usage
No Data Available
Cluster Load
No Data Available
NameNode Heap
37%
NameNode RPC
0.13 ms
NameNode CPU WIO
n/a
NameNode Uptime
257.7 s
HBase Master Heap
n/a
HBase Links
No Active Master
1 RegionServers
n/a
More...
HBase Ave Load
n/a
HBase Master Uptime
n/a
ResourceManager Heap
28%
ResourceManager Uptime
224.2 s
NodeManagers Live
1/1
YARN Memory
0%
YARN Links
ResourceManager
1 NodeManagers
More...
Supervisors Live
0/1
Flume Live
1/1

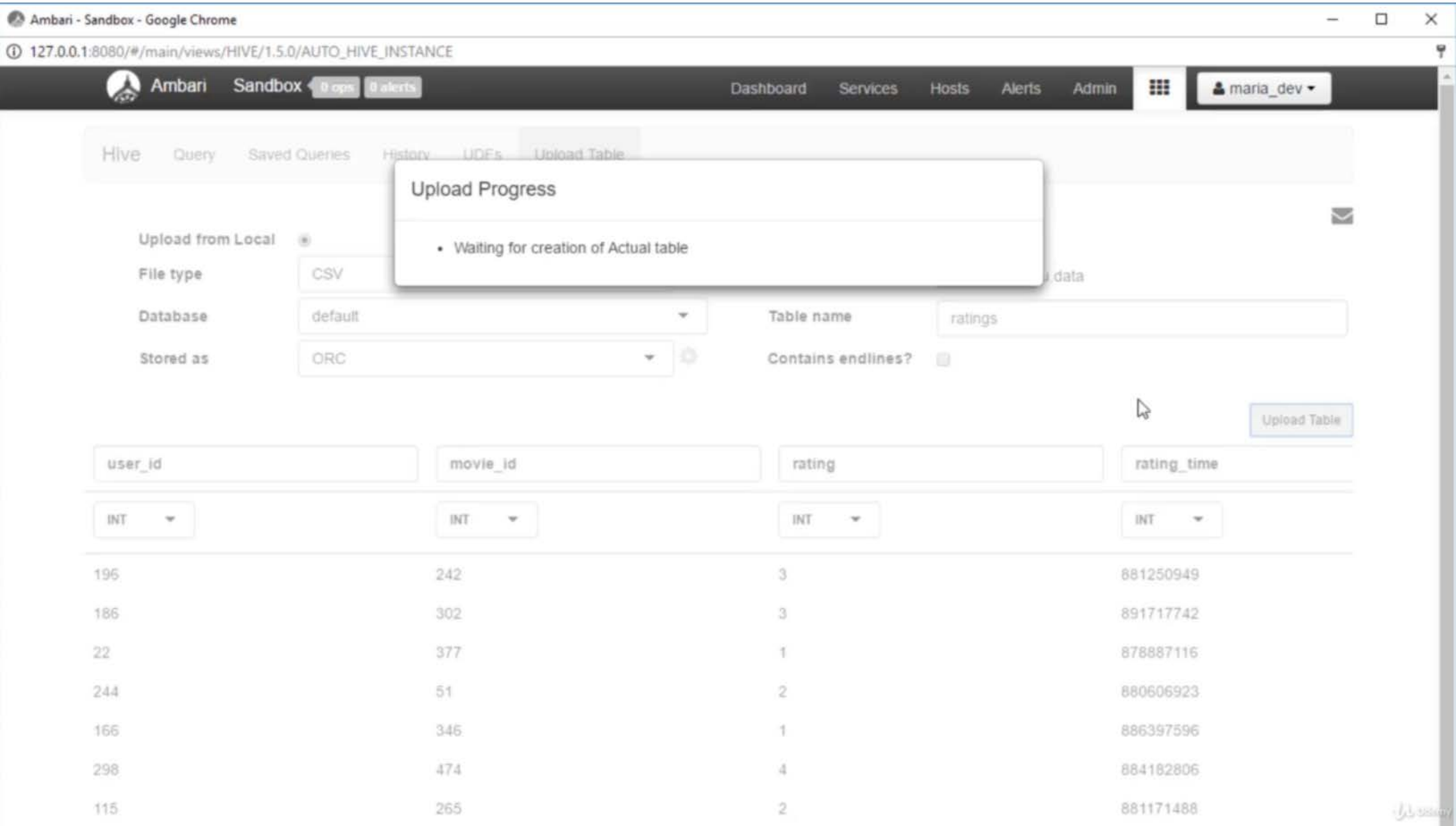

Hadoop Tutorial - Google Chrome
hortonworks.com/hadoop-tutorial/hello-world-an-introduction-to-hadoop-hcatalog-hi
HORTONWORKS
Download Sandbox
TUTORIAL SERIES
HELLO WORLD
1. Learning the Ropes of the Hortonworks Sandbox
2. Hadoop Tutorial – Getting Started with HDP
Introduction
Concepts
Lab 1 - Loading Sensor Data into HDFS
Lab 2 - Hive and Data ETL
Lab 3 - Pig Risk Factor Analysis
Lab 4 - Spark Risk Factor Analysis
Lab 5 - Data Reporting With Zeppelin
Lab 6: Data Reporting with Excel
3. Analyze Traffic Patterns with Apache NiFi
4. Introduction to Apache HBase Concepts, Apache Phoenix and New Backup & Restore Utility in HBase
5. How to Process Data with Apache Hive
6. How To Process Data with Apache Pig
7. Loading and Querying Data with Hadoop
8. Get Started with Cascading on Hortonworks Data Platform 2.1
9. Get Started with Cascading on Hortonworks Data Platform 2.1
10. Cascading Pattern
11. Interactive SQL on Hadoop with Hive LLAP
12. HBase Reporting with Apache Phoenix via ODBC
13. Processing streaming data in Hadoop with Apache Storm
14. Interactive Query for Hadoop with Apache Hive on Apache Tez


Ambari - Sandbox - Google Chrome
127.0.0.1:8080/#/main/dashboard/metrics
Ambari
Sandbox
0 ops
0 alerts
Dashboard
Services
Hosts
Alerts
Admin
maria_dev
YARN Queue Manager
Files View
Hive View
Pig View
Storm View
Tez View
HDFS
YARN
MapReduce2
Tez
Hive
HBase
Pig
Sqoop
Oozie
ZooKeeper
Falcon
Storm
Flume
Ambari Infra
Ambari Metrics
Atlas
Kafka
Knox
Ranger
Metrics
Heatmaps
Config History
Metric Actions
Last 1 hour
HDFS Disk Usage
45%
DataNodes Live
1/1
HDFS Links
NameNode
Secondary NameNode
1 DataNodes
More...
Memory Usage
No Data Available
CPU Usage
No Data Available
Cluster Load
No Data Available
NameNode Heap
28%
NameNode RPC
0.13 ms
NameNode CPU WIO
n/a
NameNode Uptime
185.5 s
HBase Master Heap
n/a
HBase Links
No Active Master
1 RegionServers
n/a
More...
HBase Ave Load
n/a
HBase Master Uptime
n/a


Ambari - Sandbox - Google Chrome
127.0.0.1:8080/#/main/views/HIVE/1.5.0/AUTO_HIVE_INSTANCE
Ambari
Sandbox
0 ops
0 alerts
Dashboard
Services
Hosts
Alerts
Admin
maria_dev
Hive
Query
Saved Queries
History
UDFs
Upload Table
Service checks in progress.
HDFS test
HiveServer test
ATS test
User Home Directory test


Ambari - Sandbox - Google Chrome
127.0.0.1:8080/#/main/views/HIVE/1.5.0/AUTO_HIVE_INSTANCE
Ambari
Sandbox
0 ops
0 alerts
Dashboard
Services
Hosts
Alerts
Admin
maria_dev
Hive
Query
Saved Queries
History
UDFs
Upload Table
Upload from Local
Upload from HDFS
File type
CSV
Select from local
Choose File
No file chosen


Ambari - Sandbox - Google Chrome
127.0.0.1:8080/#/main/views/HIVE/1.5.0/AUTO_HIVE_INSTANCE
Ambari
Sandbox
0 ops
0 alerts
Dashboard
Services
Hosts
Alerts
Admin
maria_dev
Hive
Query
Saved Queries
History
UDFs
Upload Table
Upload from Local
File type
CSV
Field Delimiter:
9 TAB(horizontal tab)
Escape Character:
92 \
Quote Character:
34 "
Is first row header ?
Close


Ambari - Sandbox - Google Chrome
127.0.0.1:8080/#/main/views/HIVE/1.5.0/AUTO_HIVE_INSTANCE
Ambari
Sandbox
0 ops
0 alerts
Dashboard
Services
Hosts
Alerts
Admin
maria_dev
Hive
Query
Saved Queries
History
UDFs
Upload Table
Upload Progress
Waiting for creation of Actual table
Upload from Local
File type
CSV
Database
default
Table name
ratings
Stored as
ORC
Contains endlines?
Upload Table
user_id
movie_id
rating
rating_time
INT
INT
INT
INT
196 242 3 881250949
186 302 3 891717742
22 377 1 878887116
244 51 2 880606923
166 346 1 886397596
298 474 4 884182806
115 265 2 881171488

Ambari - Sandbox - Google Chrome

127.0.0.1:8080/#/main/views/HIVE/1.5.0/AUTO_HIVE_INSTANCE

Ambari Sandbox 0 ops 0 alerts | Dashboard | Services | Hosts | Alerts | Admin | maria_dev

Hive | Query | Saved Queries | History | UDFs | Upload Table

Upload from Local

File type CSV

Database default

Stored as ORC

Upload from HDFS

Select from local Choose File u.item

Table name movie_names

Contains endlines?

Upload Table

movie_id	name	column3	column4
INT	STRING	STRING	STRING
1	Toy Story (1995)	01-Jan-1995	
2	GoldenEye (1995)	01-Jan-1995	
3	Four Rooms (1995)	01-Jan-1995	
4	Get Shorty (1995)	01-Jan-1995	
5	Copycat (1995)	01-Jan-1995	

Hive | Query | Saved Queries | History | UDFs | Upload Table

Database Explorer

default

Search tables...

Databases

- default
  - movie_names
    - movie_id INT
    - name STRING
    - column3 STRING
    - column4 STRING
    - column5 STRING
    - column6 INT
    - column7 INT
    - column8 INT
    - column9 INT
    - column10 INT
    - Load more...
  - ratings
    - user_id INT
    - movie_id INT
    - rating INT
    - rating_time INT
  - sample_07
  - sample_08
- foodmart

Query Editor

Worksheet

```
1 SELECT movie_id, count(movie_id) as ratingCount
2 FROM ratings
3 GROUP BY movie_id
4 ORDER BY ratingCount
5 DESC;
```

SQL | TEZ

Stop execution | Explain | Save as... | New Worksheet

Query Process Results (Status: RUNNING)

Logs | Results

default

Search tables...

Databases

- default
  - movie_names
    - movie_id INT
    - name STRING
    - column3 STRING
    - column4 STRING
    - column5 STRING
    - column6 INT
    - column7 INT
    - column8 INT
    - column9 INT
    - column10 INT
    - Load more...
  - ratings
    - user_id INT
    - movie_id INT
    - rating INT
    - rating_time INT
  - sample_07
  - sample_08
- foodmart
- vademo

Worksheet

```
1 SELECT movie_id, count(movie_id) as ratingCount
2 FROM ratings
3 GROUP BY movie_id
4 ORDER BY ratingCount
5 DESC;
```

SQL

TEZ

Execute | Explain | Save as... | New Worksheet

Query Process Results (Status: SUCCEEDED) — Save results...

Logs | Results

Filter columns... | previous | next

movie_id	ratingcount
50	583
258	509
100	508
181	507

Hive | Query | Saved Queries | History | UDFs | Upload Table

Visualization

Data Visualization | Data Explorer

Maximum Row Count: 10000 OK

COLUMNS

- # movie id
- # ratingcount
- # COUNT

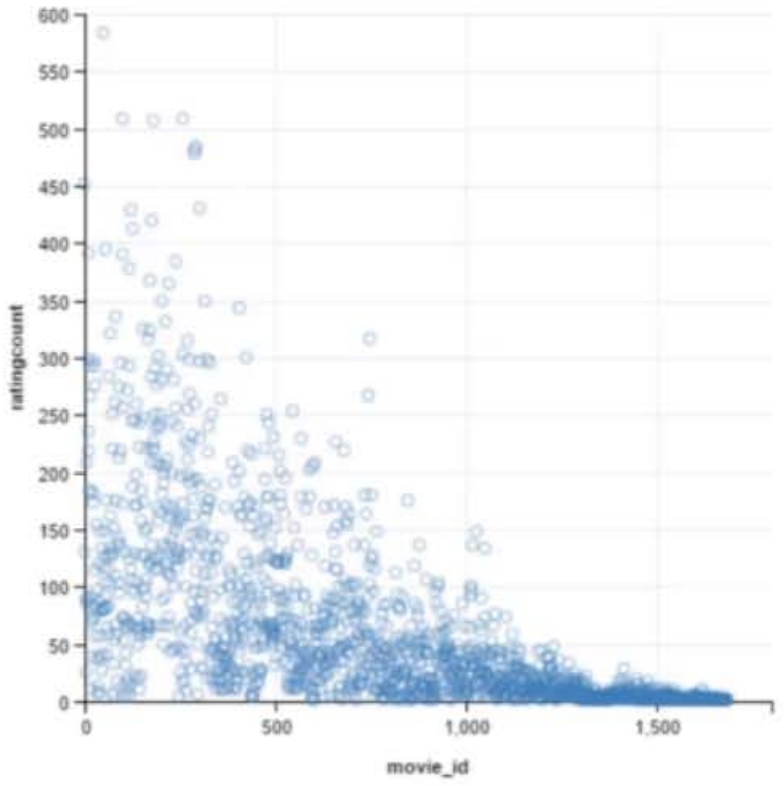
POSITIONAL

- x: # movie id
- y: # ratingcount
- col: drop a column here
- row: drop a column here

MARKS

Clear

- size: drop a column here
- color: drop a column here
- shape: drop a column here
- detail: drop a column here
- text: drop a column here



SQL

TEZ

default

Search tables...

Databases

- default
  - movie_names
    - movie_id INT
    - name STRING
    - column3 STRING
    - column4 STRING
    - column5 STRING
    - column6 INT
    - column7 INT
    - column8 INT
    - column9 INT
    - column10 INT
    - Load more...
  - ratings
    - user_id INT
    - movie_id INT
    - rating INT
    - rating_time INT
  - sample_07
  - sample_08
- foodmart

Worksheet

```
1 SELECT name
2 FROM movie_names
3 WHERE movie_id = 50;
```

SQL

TEZ

6

Execute | Explain | Save as... | New Worksheet

Query Process Results (Status: SUCCEEDED) Save results...

Logs | Results

Filter columns... previous next

name

Star Wars (1977)