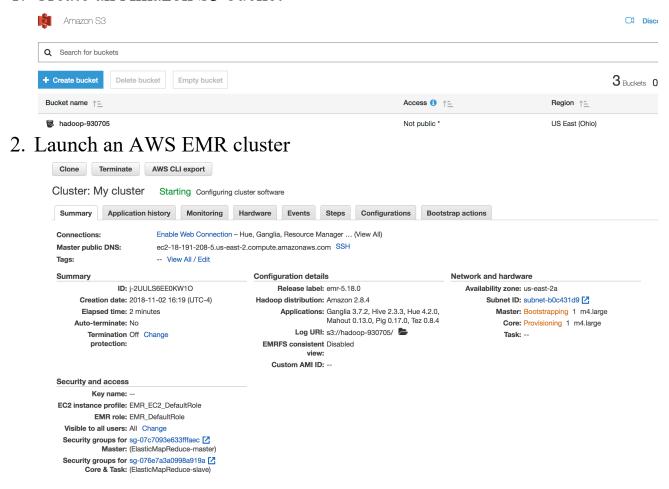
Analyze Big data with Hadoop

1. Create an Amazon S3 bucket



The several default application on the cluster:

- Apache Hadoop
- Ganglia
- Apache Taz
- Hue
- Pig

Data to be processed

Amazon CloudFront is a web service that speeds up distribution of static and dynamic web content, such as .html, .css, .php, and image files. CloudFront delivers content through a worldwide network of data centers called *edge locations*. When a user requests content through CloudFront, the user is routed to the edge location that provides the lowest latency (time delay), so that content is delivered with the best possible performance. If the content is already in the edge location with the lowest latency, CloudFront delivers it immediately. If the content is not in that edge location, CloudFront retrieves it from an Amazon S3 bucket or an HTTP server (for example, a web server) that you have identified as the source for the definitive version of your content.

3. Running Hive script to process data

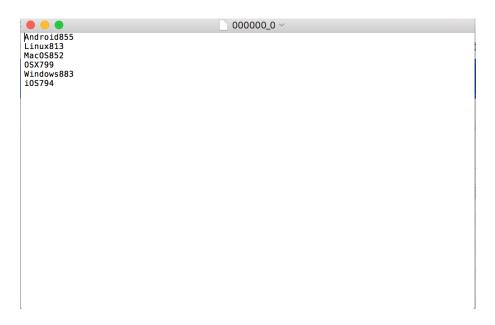
What the script is doing

The Hive script does the following:

- Creates a Hive table named cloudfront_logs.
- Reads the CloudFront log files from Amazon S3 and parses the files using the Regular Expression Serializer/Deserializer (RegEx SerDe).
- Writes the parsed results to the *cloudfront_logs* Hive table.
- Submits a HiveQL query against the data to retrieve the total requests per operating system for a given time frame.
- Writes the query results to your Amazon S3 output bucket.

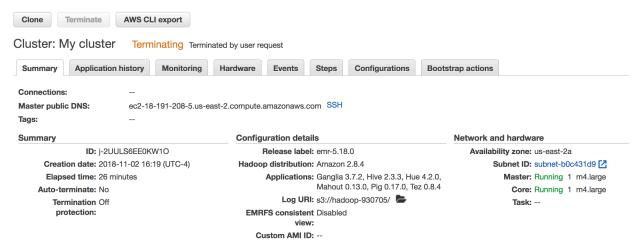


Output:



4. Terminate the cluster

5.



Summary

In this lab, I have learned the basic operation of AWS ECR, how to use Hadoop to process data and store it on AWS.