### Module 3, Homework1: Assignment: Hadoop Ecosystem with Linux Commands

1. Steps you took to explore the Hadoop Ecosystem using the SSH Terminal in GCP.
   1. Start All Three Nods and open SSH to a Browser.  
      A screenshot of a computer

      Description automatically generated
   2. Used code ps -ef | grep -i hive to check hive.
   3. Used code ps -ef | grep -i yarn to check yarn.
   4. Used code ps -ef | grep -i spark to check spark.
   5. Used code ps -ef | grep -i hdfs to check hdfs.
   6. Used code ps -ef | grep -i root to check root.
      1. Can see overall status using ps -ef | grep -i hadoop
2. Find all the core services or components of the Hadoop Ecosystem.  Include the process ID number and the subsystem that is currently running in the element.

|  |  |  |
| --- | --- | --- |
| Core services | Process number | Running |
| hive | 2353 | HiveServer2 |
| hive | 2357 | HiveMetaStore |
| yarn | 2492 | ApplicationHistoryServer |
| yarn | 2494 | ResourceManager |
| hdfs | 2679 | NameNode |
| hdfs | 2680 | SecondaryNameNode |
| mapRed | 2746 | JobHistoryServer |
| spark | 3215 | HistoryServer |
| root | 3452 | Core Service |

1. Include screenshots that record the steps and the components of the Ecosystem in the homework.



