1. Change hostname <https://aws.amazon.com/premiumsupport/knowledge-center/linux-static-hostname/>
2. apt-get install ntp
3. update-rc.d ntp defaults
4. apt-get update
5. apt-get install libmysql-java
6. find / -name mysql-connector-java.jar. (note the location of this jar)
7. do a java -version and if it returns any version then uninstall java (ambari install will automatically install java)
8. follow <https://docs.hortonworks.com/HDPDocuments/Ambari-2.7.1.0/bk_ambari-installation/content/download_the_ambari_repo_ubuntu16.html>
9. apt-get install ambari-agent
10. ambari-server start
11. ambari-agent start
12. login to ambari http://<hostname>:8080 (admin/admin). And create the cluster using the launch wizard and install hdfs, yarn, mapreduce, zookeeper, hive and knox.
13. Choose to register the host manually (ambari agent must be started)
14. ambari-server setup --jdbc-db=mysql --jdbc-driver=/usr/share/java/mysql-connector-java.jar. (do this from the linux command line. Change the driver path if your driver is in a different location)
15. for hive setup choose the New MySQL option
16. for database jdbc url, instead of the hostname use localhost
17. enable following services-zookeeper, hdfs, mapreduce, yarn, hive, hbase, kafka and storm.
18. Follow <https://docs.hortonworks.com/HDPDocuments/HDF3/HDF-3.3.0/installing-hdf-on-hdp/content/hdf-upgrade-ambari-and-hdp.html> and install nifi, schema registry, streaming analytics manager, druid and superset. Note that there is no need to install mysql again as it would have already been installed. Just type in mysql\_secure\_installation

Choose no for Validate\_password\_plugin

Set the password for root

Choose No for remove anaonymous users

Choose no for disallow root login

Choose no for remove test databases

Choose yes for reload privilege tables

You can now login to mysql using mysql -u root -p