**升级ambari：**

备份数据库

/etc/ambari-server/conf/ambari.properties upgrade.parameter.nn-restart.timeout=660

ambari-server restart

Webui选择各服务停止服务

Stop the Ambari Server. On the host running Ambari Server:

ambari-server stop

Stop all Ambari Agents. On each host in your cluster running an Ambari Agent:

ambari-agent stop

wget -nv http://public-repo-1.hortonworks.com/ambari/centos7/2.x/updates/2.7.0.0/ambari.repo -O /etc/yum.repos.d/ambari.repo

yum clean all

yum info ambari-server

yum upgrade ambari-server

yum upgrade ambari-agent

rpm -qa | grep ambari-agent

ambari-server upgrade

ambari-server start

ambari-agent start

If you have configured Ambari to authenticate against an external LDAP or Active Directory, you must re-run

ambari-server setup-ldap

If you have configured your cluster for Hive, Ranger or Oozie with an external database (Oracle, MySQL or PostgreSQL), you must re-run

ambari-server setup --jdbc-db and --jdbc-driver

Confirm that Ambari Metrics service is stopped and in Maintenance Mode.

On every host in your cluster running a Metrics Monitor, run the following commands:

yum clean all

yum upgrade ambari-metrics-monitor ambari-metrics-hadoop-sink

Execute the following command on all hosts running the Metrics Collector:

yum upgrade ambari-metrics-collector

Execute the following command on the host running the Grafana component:

yum upgrade ambari-metrics-grafana

**升级HDP**

1/ Checkpoint hdfs

确保下面目录中只有current目录，没有Previous目录

<property>

<name>dfs.namenode.name.dir</name>

<value>/data/node1/hadoop/hdfs/namenode,/data/node2/hadoop/hdfs/namenode</value>

<final>true</final>

</property>

su -l [HDFS\_USER] 切换hdfs用户

hdfs fsck / -files -blocks -locations > dfs-old-fsck-1.log 检查升级是否成功的日志

hdfs dfsadmin -report > dfs-old-report-1.log

hdfs dfsadmin -safemode enter

hdfs dfsadmin -saveNamespace或者hdfs dfsadmin -fs hdfs://namenode2-hostname:namenode2-port -saveNamespace

Copy the checkpoint files located in $[dfs.namenode.name.dir]/current into a backup directory.

拷贝 layoutVersion文件$[dfs.namenode.name.dir]/current/VERSION, into a backup directory where

hdfs dfsadmin -safemode leave

2/ Backing up Ambari Infra Data & Migrating Atlas Data

Upgrade the ambari-infra-solr-client package.

yum clean all

yum upgrade ambari-infra-solr-client -y

Infra Solr用户名是infra-solr则执行下面，否则需要额外脚本

/usr/bin/python /usr/lib/ambari-infra-solr-client/migrationConfigGenerator.py --ini-file $CONFIG\_INI\_LOCATION --host hadoop-1 --port 8080 --cluster tianxi-ha --username admin --password admin --backup-base-path=/my/path --java-home /usr/jdk64/jdk1.8.0\_112

迁移# /usr/lib/ambari-infra-solr-client/ambariSolrMigration.sh --ini-file $CONFIG\_INI\_LOCATION --mode backup | tee backup\_output.txt

# /usr/lib/ambari-infra-solr-client/ambariSolrMigration.sh --ini-file $CONFIG\_INI\_LOCATION --mode delete | tee delete\_output.txt