部署手册

1. 程序包结构说明：

[apache-hive-1.2.1-bin.tar.gz](http://apache.fayea.com/hive/stable/apache-hive-1.2.1-bin.tar.gz)

下载地址：

http://apache.fayea.com/hive/stable/apache-hive-1.2.1-bin.tar.gz

hive的metastore会做为基础服务，供kylin on hive使用，spark on hive使用

2. 术语表

|  |  |
| --- | --- |
| Hive安装目录 | /hadoopecosystem/hive |
| JAVA\_HOME | /tools/jdk1.7.0\_79 |
| HADOOP\_HOME | hadoop部署根目录 |

3. 环境要求

|  |  |
| --- | --- |
| 软件环境 | JDK7及更新版本 |
| 运行用户 | 默认hadoop用户 |
| 数据库 | Mysql,创建可读写用户：hive |

占用端口9083

4. 部署说明

4.1 初始化

hadoop用户操作：

$ $HADOOP\_HOME/bin/hadoop fs -mkdir /tmp

$ $HADOOP\_HOME/bin/hadoop fs -mkdir /user/hive/warehouse

$ $HADOOP\_HOME/bin/hadoop fs -chmod g+w /tmp

$ $HADOOP\_HOME/bin/hadoop fs -chmod g+w /user/hive/warehouse

配置hadoop用户的~/.bash\_profile

export HIVE\_HOME=<hive-install-dir>

配置hive-env.sh

export JAVA\_HOME=/tools/jdk1.7.0\_79

export HADOOP\_HOME=/hadoopecosystem/hadoop

配置hive-site.xml模版，依据新机器环境改动

<?xml version="1.0"?>

<?xml-stylesheet type="text/xsl" href="configuration.xsl"?>

<configuration>

<property>

<name>javax.jdo.option.ConnectionURL</name>

<value>jdbc:mysql://10.10.2.16:3306/hive?characterEncoding=UTF-8</value>

</property>

<property>

<name>javax.jdo.option.ConnectionDriverName</name>

<value>com.mysql.jdbc.Driver</value>

</property>

<property>

<name>javax.jdo.option.ConnectionUserName</name>

<value>hive</value>

</property>

<property>

<name>javax.jdo.option.ConnectionPassword</name>

<value>hive</value>

</property>

<property>

<name>hive.metastore.uris</name>

<value>thrift://10.10.1.1:9083</value>

<description>Thrift URI for the remote metastore. Used by metastore client to connect to remote metastore.</description>

</property>

</configuration>

依赖：mysql-connector-java-5.1.39-bin.jar

4.2 配置文件说明

参考：

<https://cwiki.apache.org/confluence/display/Hive/AdminManual+MetastoreAdmin>

https://cwiki.apache.org/confluence/display/Hive/GettingStarted#GettingStarted-InstallationandConfiguration

4.3 任务启动

初始化scheme

bin/schematool -dbType mysql -initSchema

启动hive metasotre

hive --service metastore