Saiku

#useradd –d /home/ruser –m –s /bin/base ruser

#passwd ruser

#vi /etc/sudoers

## Allow root to run any commands anywhere

root ALL=(ALL) ALL

ruser ALL=(ALL) ALL

[[root@hadoop0](mailto:root@hadoop0) hadoop]# ssh-keygen -t rsa

  直接enter

 [[root@hadoop0](mailto:root@hadoop0) hadoop]# cd /root/.ssh

 [[root@hadoop0](mailto:root@hadoop0) .ssh]# ll

total 12   
-rw-------. 1 root root 1675 Dec 11 07:36 id\_rsa   
-rw-r--r--. 1 root root 394 Dec 11 07:36 id\_rsa.pub   
-rw-r--r--. 1 root root 1183 Dec 11 07:00 known\_hosts   
[[root@hadoop0](mailto:root@hadoop0) .ssh]# ssh-copy-id 192.168.1.201                //200访问201为免密码登录  
 输入201的密码  
[[root@hadoop0](mailto:root@hadoop0) .ssh]# ssh-copy-id hadoop0   //给hadoop0配置公钥

1.环境说明

1.1 centos 6.3 64位

1.2 jdk1.8

1.3 cm5.8.0 + cdh5.8.0

2.软件下载地址：

<http://archive.cloudera.com/cm5/cm/5/>

cloudera-manager-el6-cm5.8.0\_x86\_64.tar.gz

<http://archive.cloudera.com/cdh5/parcels/5.8.0/>

CDH-5.8.0-1.cdh5.8.0.p0.42-el6.parcel

CDH-5.8.0-1.cdh5.8.0.p0.42-el6.parcel.sha1

manifest.json

3.服务器部署说明

cdh1 8g/50g cm-server

cdh2 4g/50g

cdh3 4g/50g

说明：采用root用户

4.更改hostname

|  |
| --- |
| # hostname cdh1  # vi /etc/sysconfig/network  HOSTNAME=cdh1 |

5.ip映射

|  |
| --- |
| # vi /etc/hosts  192.168.91.142 cdh1  192.168.91.140 cdh2  192.168.91.141 cdh3 |

6.关闭防火墙

|  |
| --- |
| # service iptables stop  # chkconfig iptables off  # chkconfig iptables --list  # vi /etc/selinux/config  SELINUX=disabled  # vi /etc/inittab //关闭图形化界面  id:3:initdefault: |

reboot重启

7.上传安装软件包到/usr/local

|  |
| --- |
| # cd /usr/local/  # rm -rf /usr/local/\*  greenplum-db-4.3.9.1-build-1-rhel5-x86\_64.zip  jdk-8u101-linux-x64.tar.gz  cloudera-manager-el6-cm5.8.0\_x86\_64.tar.gz  CDH-5.8.0-1.cdh5.8.0.p0.42-el6.parcel  CDH-5.8.0-1.cdh5.8.0.p0.42-el6.parcel.sha1  manifest.json  mysql-connector-java.jar |

8.安装gp

|  |
| --- |
| # unzip greenplum-db-4.3.9.1-build-1-rhel5-x86\_64.zip  # ./greenplum-db-4.3.9.1-build-1-rhel5-x86\_64.bin  …  # cd /usr/local/greenplum-db  # source greenplum\_path.sh |

9.安装ssh免密码

|  |
| --- |
| # vi all\_host  cdh1  cdh2  cdh3  # vi slaves  cdh2  cdh3  # gpssh-exkeys -f all\_host |

10.安装jdk

|  |
| --- |
| # gpscp -f greenplum-db/slaves /usr/local/jdk-8u101-linux-x64.tar.gz =:/usr/local/  # gpssh -f greenplum-db/all\_host -e 'll /usr/local'  # gpssh -f greenplum-db/all\_host -e 'tar -zxvf /usr/local/jdk-8u101-linux-x64.tar.gz -C /usr/local'  # vi /etc/profile  export JAVA\_HOME=/usr/local/jdk1.8.0\_101  export PATH=.:$JAVA\_HOME/bin:$PATH  # gpscp -f greenplum-db/slaves /etc/profile =:/etc/profile  # gpssh -f greenplum-db/all\_host -e 'source /etc/profile' |

10.ntp时间同步

|  |
| --- |
| # vi /etc/ntp.conf  server cdh1 prefer  # service ntpd start  # gpssh -f greenplum-db/all\_host -e 'date' |

11.解压cm

|  |
| --- |
| # tar -zxvf cloudera-manager-el6-cm5.8.0\_x86\_64.tar.gz -C /opt/  # cd /opt/  # gpssh -f greenplum-db/all\_host -e 'mkdir /home/cloudera-scm'  # gpssh -f greenplum-db/all\_host -e 'groupadd cloudera-scm'  # gpssh -f greenplum-db/all\_host -e 'useradd -g cloudera-scm --system --home=/home/cloudera-scm cloudera-scm'  //设置cm数据库  # cd /opt/cm-5.8.0/share/cmf/schema  # cp /usr/local/mysql-connector-java.jar /opt/cm-5.8.0/share/cmf/lib/  mysql> GRANT ALL PRIVILEGES ON \*.\* TO 'scm'@'cdh1' IDENTIFIED BY 'scm' WITH GRANT OPTION;  mysql> GRANT ALL PRIVILEGES ON \*.\* TO 'scm'@'%' IDENTIFIED BY 'scm' WITH GRANT OPTION;  mysql> FLUSH PRIVILEGES;  # ./scm\_prepare\_database.sh mysql -h cdh1 scm scm scm  …  All done, your SCM database is configured correctly!  # cd /opt/cm-5.8.0/etc/cloudera-scm-agent  # vi config.ini  server\_host=cdh1  # cp /usr/local/CDH\* /opt/cloudera/parcel-repo/  # cp /usr/local/manifest.json /opt/cloudera/parcel-repo/  # mv CDH-5.8.0-1.cdh5.8.0.p0.42-el6.parcel.sha1 \  CDH-5.8.0-1.cdh5.8.0.p0.42-el6.parcel.sha  # gpscp -f greenplum-db/slaves -r /opt/cloudera/ =:/opt  # gpscp -f greenplum-db/slaves -r /opt/cm-5.8.0/ =:/opt  # gpssh -f greenplum-db/slaves -e 'chown cloudera-scm:cloudera-scm -R /opt/cloudera'  # gpssh -f greenplum-db/slaves -e 'chown cloudera-scm:cloudera-scm -R /opt/cm-5.8.0'  启动cm  # cd cm-5.8.0/etc/init.d/  # ./cloudera-scm-server start  web访问  <http://192.168.91.142:7180/> admin /admin  启动angent  # ./cloudera-scm-agent start  报错：Unable to create the pidfile.  # gpssh -f all\_host -e 'mkdir /opt/cm-5.8.0/run/cloudera-scm-agent'  # gpssh -f all\_host -e 'chown cloudera-scm:cloudera-scm -R /opt/cm-5.8.0/run' |

11.组件安装

|  |
| --- |
| mysql> create database metastore;  Query OK, 1 row affected (0.00 sec)  mysql> GRANT ALL PRIVILEGES ON \*.\* TO 'hive'@'cdh1' IDENTIFIED BY 'hive' WITH GRANT OPTION;  Query OK, 0 rows affected (0.00 sec)  mysql> GRANT ALL PRIVILEGES ON \*.\* TO 'hive'@'%' IDENTIFIED BY 'hive' WITH GRANT OPTION;  Query OK, 0 rows affected (0.00 sec)  mysql> FLUSH PRIVILEGES;  Query OK, 0 rows affected (0.00 sec)  mysql> create database oozie;  Query OK, 1 row affected (0.00 sec)  mysql> GRANT ALL PRIVILEGES ON \*.\* TO 'oozie'@'cdh1' IDENTIFIED BY 'oozie' WITH GRANT OPTION;  Query OK, 0 rows affected (0.00 sec)  mysql> GRANT ALL PRIVILEGES ON \*.\* TO 'oozie'@'%' IDENTIFIED BY 'oozie' WITH GRANT OPTION;  Query OK, 0 rows affected (0.00 sec)  mysql> FLUSH PRIVILEGES;  Query OK, 0 rows affected (0.00 sec)  mysql> create database hue;  Query OK, 1 row affected (0.00 sec)  mysql> GRANT ALL PRIVILEGES ON \*.\* TO 'hue'@'%' IDENTIFIED BY 'hue' WITH GRANT OPTION;  Query OK, 0 rows affected (0.00 sec)  mysql> GRANT ALL PRIVILEGES ON \*.\* TO 'hue'@'cdh1' IDENTIFIED BY 'hue' WITH GRANT OPTION;  Query OK, 0 rows affected (0.00 sec)  mysql> FLUSH PRIVILEGES;  Query OK, 0 rows affected (0.00 sec)  mysql> source /opt/cloudera/parcels/CDH/lib/hive/scripts/metastore/upgrade/mysql/hive-schema-1.1.0.mysql.sql  # cp /usr/local/mysql-connector-java.jar /var/lib/oozie/  # gpscp -f greenplum-db/slaves mysql-connector-java.jar =:/var/lib/oozie/ |

\*\*\* 安装mysql数据库

|  |
| --- |
| # yum install mysql-server  [mysqld]  transaction-isolation = READ-COMMITTED  # Disabling symbolic-links is recommended to prevent assorted security risks;  # to do so, uncomment this line:  # symbolic-links = 0  key\_buffer = 16M  key\_buffer\_size = 32M  max\_allowed\_packet = 32M  thread\_stack = 256K  thread\_cache\_size = 64  query\_cache\_limit = 8M  query\_cache\_size = 64M  query\_cache\_type = 1  max\_connections = 550  #expire\_logs\_days = 10  #max\_binlog\_size = 100M  #log\_bin should be on a disk with enough free space. Replace '/var/lib/mysql/mysql\_binary\_log' with an appropriate path for your system  #and chown the specified folder to the mysql user.  log\_bin=/var/lib/mysql/mysql\_binary\_log  # For MySQL version 5.1.8 or later. Comment out binlog\_format for older versions.  binlog\_format = mixed  read\_buffer\_size = 2M  read\_rnd\_buffer\_size = 16M  sort\_buffer\_size = 8M  join\_buffer\_size = 8M  # InnoDB settings  innodb\_file\_per\_table = 1  innodb\_flush\_log\_at\_trx\_commit = 2  innodb\_log\_buffer\_size = 64M  innodb\_buffer\_pool\_size = 4G  innodb\_thread\_concurrency = 8  innodb\_flush\_method = O\_DIRECT  innodb\_log\_file\_size = 512M  [mysqld\_safe]  log-error=/var/log/mysqld.log  pid-file=/var/run/mysqld/mysqld.pid  sql\_mode=STRICT\_ALL\_TABLES  [root@cdh1 opt]# vi /etc/my.cnf  [root@cdh1 opt]# cat /etc/my.cnf  [mysqld]  transaction-isolation = READ-COMMITTED  # Disabling symbolic-links is recommended to prevent assorted security risks;  # to do so, uncomment this line:  # symbolic-links = 0  default-character-set=utf8  key\_buffer = 16M  key\_buffer\_size = 32M  max\_allowed\_packet = 32M  thread\_stack = 256K  thread\_cache\_size = 64  query\_cache\_limit = 8M  query\_cache\_size = 64M  query\_cache\_type = 1  max\_connections = 550  #expire\_logs\_days = 10  #max\_binlog\_size = 100M  #log\_bin should be on a disk with enough free space. Replace '/var/lib/mysql/mysql\_binary\_log' with an appropriate path for your system  #and chown the specified folder to the mysql user.  log\_bin=/var/lib/mysql/mysql\_binary\_log  # For MySQL version 5.1.8 or later. Comment out binlog\_format for older versions.  binlog\_format = mixed  read\_buffer\_size = 2M  read\_rnd\_buffer\_size = 16M  sort\_buffer\_size = 8M  join\_buffer\_size = 8M  # InnoDB settings  innodb\_file\_per\_table = 1  innodb\_flush\_log\_at\_trx\_commit = 2  innodb\_log\_buffer\_size = 64M  innodb\_buffer\_pool\_size = 4G  innodb\_thread\_concurrency = 8  innodb\_flush\_method = O\_DIRECT  innodb\_log\_file\_size = 512M  [mysqld\_safe]  log-error=/var/log/mysqld.log  pid-file=/var/run/mysqld/mysqld.pid  sql\_mode=STRICT\_ALL\_TABLES  # service mysqld start  # mysqladmin -uroot password 123456  # mysql -uroot -p123456  mysql> GRANT ALL PRIVILEGES ON \*.\* TO 'root'@'%' IDENTIFIED BY '123456' WITH GRANT OPTION;  mysql> GRANT ALL PRIVILEGES ON \*.\* TO 'root'@'cdh1' IDENTIFIED BY '123456' WITH GRANT OPTION;  mysql> FLUSH PRIVILEGES; |