7.1.Linux的SSH免密登陆配置

Linux的SSH免密登陆配置

1、使用Hadoop用户在Hadoop007上创建秘钥。

shell命令： `ssh-keygen -t rsa`

执行完命令敲三次回车键，秘钥即创建完成。

```
drwxr-xr-x. 7      10    143 243 Jul  7  2018 jdk1.8.0_181
drwxrwxr-x. 4 hadoop hadoop  34 Apr 20 00:09 software
[hadoop@hadoop007 ~]$ ssh-keygen -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key (/home/hadoop/.ssh/id_rsa):
Created directory '/home/hadoop/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/hadoop/.ssh/id_rsa.
Your public key has been saved in /home/hadoop/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:PFRhv7ifRbxrEjcuEcE+z7DLBB+obagzrp/lVwxARic hadoop@hadoop007
The key's randomart image is:
+---[RSA 2048]----+
|        oE =o    |
|       ..= .o    |
|        .. o..    |
|       o  +.*o    |
|        S+.=.Oo   |
|        o.o.O.=.  |
|        ....+ *o. |
|       ++  ..=oo. |
|     .++o.. o+.   |
+----[SHA256]-----+
[hadoop@hadoop007 ~]$
```

2、拷贝秘钥到008、009服务器。

shell命令： `ssh-copy-id hadoop008`

shell命令： `ssh-copy-id hadoop009`

```
-rw-r--r--. 1 hadoop hadoop  398 Apr 20 00:21 id_rsa.pub
[hadoop@hadoop007 .ssh]$ ssh-copy-id hadoop008
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/hadoop/.ssh/id_rsa.pub"
The authenticity of host 'hadoop008 (192.168.10.101)' can't be established.
ECDSA key fingerprint is SHA256:IMWDOV3tz3LEYA4je1rrkxlXKUcpvQtru3vTleb9AI8.
ECDSA key fingerprint is MD5:d6:39:96:df:d4:b9:af:9a:dd:66:9b:78:3a:05:93:9b.
Are you sure you want to continue connecting (yes/no)? yes
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already instal
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new
hadoop@hadoop008's password:

Number of key(s) added: 1

Now try logging into the machine, with:   "ssh 'hadoop008'"
and check to make sure that only the key(s) you wanted were added.

[hadoop@hadoop007 .ssh]$
```

需要注意的是，也需要给自己配秘钥！

shell命令： `ssh-copy-id hadoop007`

3、分别测试登陆007、008、009服务器是否不再需要密码

shell命令： `ssh hadoop007`
shell命令： `ssh hadoop008`
shell命令： `ssh hadoop009`

4、按照上述操作，如法炮制在007、008、009三台之间任意都可以实现免密。

具体操作：
在008上执行： `ssh-keygen -t rsa`   ssh拷贝到007、008、009
在009上执行： `ssh-keygen -t rsa`   ssh拷贝到007、008、009

设置时间同步（由于集群时间不同可能会导致诸多bug），注意使用root用户。

安装ntp：
shell命令： yum -y install ntp

下载完成后进行定时任务编辑
shell命令： crontab -e
添加以下内容（三台都需要！！！）：
*/5 * * * * /usr/sbin/ntpdate 0.asia.pool.ntp.org
使其每五分钟校准一次时间。