

Setup passphraseless ssh

Posted by Big Data Memo on September 13, 2016

配置免密码登陆：

1、生成公钥

```
[hadoop@NN01 ~]$ ssh-keygen -t rsa -P '' -f ~/.ssh/id_rsa
Generating public/private rsa key pair.
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:
4b:cd:39:6d:79:e2:eb:7b:63:59:48:7a:1a:7d:41:5e hadoop@NN01.HadoopVM
The key's randomart image is:
+--[ RSA 2048 ]-----+
|
|             .E|
|            o .|
|           o o ..o|
|          S = +=...|
|         . . +oo+ o|
|        .  .+ +|
|       ..=|
|      .++ .|
+-----+
[hadoop@NN01 ~]$ cat ~/.ssh/id_rsa.pub >> ~/.ssh/authorized_keys
[hadoop@NN01 ~]$ chmod 0600 ~/.ssh/authorized_keys
```

2、分发公钥

公钥目前只有本地localhost的：

```
[hadoop@NN01 .ssh]$ cat authorized_keys
ssh-rsa AAAAB3NzaC1yc2EAAAABIwAAAQEAz7rbB/msVLOPHuUEFmowjM2P+Y5wkn0qBm2wiVZRhfW+vaa5HPaR8BTSx+i
```

在DN01和DN02上进行分发：

```
[hadoop@DN01 .ssh]$ ssh-copy-id -i ~/.ssh/id_rsa.pub hadoop@NN01.HadoopVM
The authenticity of host 'nn01.hadoopvm (192.168.71.128)' can't be established.
RSA key fingerprint is 88:22:dc:4b:e4:4b:0b:55:e4:a0:48:03:0d:55:63:7e.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'nn01.hadoopvm,192.168.71.128' (RSA) to the list of known hosts.
hadoop@nn01.hadoopvm's password:
Now try logging into the machine, with "ssh 'hadoop@NN01.HadoopVM'", and check in:

    .ssh/authorized_keys

to make sure we haven't added extra keys that you weren't expecting.
```

```
[hadoop@DN02 .ssh]$ ssh-copy-id -i ~/.ssh/id_rsa.pub hadoop@NN01.HadoopVM
The authenticity of host 'nn01.hadoopvm (192.168.71.128)' can't be established.
RSA key fingerprint is 88:22:dc:4b:e4:4b:0b:55:e4:a0:48:03:0d:55:63:7e.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'nn01.hadoopvm,192.168.71.128' (RSA) to the list of known hosts.
hadoop@nn01.hadoopvm's password:
Now try logging into the machine, with "ssh 'hadoop@NN01.HadoopVM'", and check in:

    .ssh/authorized_keys

to make sure we haven't added extra keys that you weren't expecting.
```

分发完成后：

```
[hadoop@NN01 .ssh]$ cat authorized_keys
ssh-rsa AAAAB3NzaC1yc2EAAAABIwAAAEAz7rbB/msVLOPHuUEFmowjM2P+Y5wkn0qBm2wiVZRhfW+vaa5HPaR8BTSx+i
ssh-rsa AAAAB3NzaC1yc2EAAAABIwAAAEApXibV4abM74DR5McJ/Gaa3MuOWGd8VwG3lGSKMF76YEgq3SXKDX6a9x7pfj
ssh-rsa AAAAB3NzaC1yc2EAAAABIwAAAEAua9EJ1g/kjaTERg95goqEQwBUwDu1veN6LD3BE+3yhR4ugkF50OpGxQ7uEQ
```

使用工具将文件copy至DN01和DN02两台机子，如下：

```
[hadoop@NN01 ~]$ scp ~/.ssh/authorized_keys hadoop@DN01.HadoopVM:~/.ssh/authorized_keys
authorized_keys      100% 1203    1.2KB/s   00:00
[hadoop@NN01 ~]$ scp ~/.ssh/authorized_keys hadoop@DN02.HadoopVM:~/.ssh/authorized_keys
authorized_keys      100% 1203    1.2KB/s   00:00
```

PREVIOUS

SPARK STREAMING LESSON 1

(/HADOOP/2016/09/08/STREAMING_LESSON1/)

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