

## 1 如何查看Hadoop集群文件系统的根以及怎么创建

### 参考答案

查看

```
01. [ root@nn01 hadoop ] # /usr/local/hadoop/bin/hadoop fs - ls /
```

创建

```
01. [ root@nn01 hadoop ] # /usr/local/hadoop/bin/hadoop fs - mkdir /aaa
```

## 2 如何增加一个新的节点

### 参考答案

1) 增加一个新的节点node4

```
01. [ root@hadoop5 ~ ] # echo node4 > /etc/hostname //更改主机名为node4
02. [ root@hadoop5 ~ ] # hostname node4
03. [ root@node4 ~ ] # yum -y install rsync
04. [ root@node4 ~ ] # yum -y install java-1.8.0-openjdk-devel
05. [ root@node4 ~ ] # mkdir /var/hadoop
06. [ root@nn01 .ssh ] # ssh-copy-id 192.168.1.25
07. [ root@nn01 .ssh ] # vim /etc/hosts
08. 192.168.1.21 nn01
09. 192.168.1.22 node1
10. 192.168.1.23 node2
11. 192.168.1.24 node3
12. 192.168.1.25 node4
13. [ root@nn01 .ssh ] # scp /etc/hosts 192.168.1.25:/etc/
14. [ root@nn01 ~ ] # cd /usr/local/hadoop/
15. [ root@nn01 hadoop ] # vim ./etc/hadoop/slaves
16. node1
17. node2
18. node3
```

19. node4
20. [ root@nn01 hadoop ] # for i in { 22..25 }; do rsync -aSH --delete /usr/local/hadoop/
21. \ 192.168.1.\$i: /usr/local/hadoop/ -e 'ssh' & done //同步配置
22. [ 1 ] 1841
23. [ 2 ] 1842
24. [ 3 ] 1843
25. [ 4 ] 1844
26. [ root@node4 hadoop ] # ./sbin/hadoop-daemon.sh start datanode //启动
27. 2) 查看状态
28. [ root@node4 hadoop ] # jps
29. 24439 Jps
30. 24351 DataNode

### 3 如何设置同步带宽

#### 参考答案

01. [ root@node4 hadoop ] # ./bin/hdfs dfsadmin -setBalancerBandwidth 60000000
02. Balancer bandwidth is set to 60000000
03. [ root@node4 hadoop ] # ./sbin/start-balancer.sh

### 4 启动NFS需要注意什么

#### 参考答案

portmap服务只能用root用户启动，nfs3只能用代理用户启动，用root用户执行jps可以看到portmap和nfs3，代理用户执行jps看不到portmap

01. [ root@nfs gw ~ ] # /usr/local/hadoop/sbin/hadoop-daemon.sh --script ./bin/hdfs start
02. starting portmap, logging to /usr/local/hadoop/logs/hadoop-root-portmap-nfsgw.out
03. [ root@nfs gw ~ ] # jps
04. 23714 Jps
05. 23670 Portmap
- 06.
07. [ root@nfs gw ~ ] # su - nfs
08. Last login: Mon Sep 10 12:31:58 CST 2018 on pts/0
09. [ nfs@nfs gw ~ ] \$ cd /usr/local/hadoop/
10. [ nfs@nfs gw hadoop ] \$ ./sbin/hadoop-daemon.sh --script ./bin/hdfs start nfs3

11. //nfs3只能用代理用户启动
12. starting nfs3, logging to /usr/local/hadoop/logs/hadoop-nfs-nfsgw.out
13. [nfs@nfsgw hadoop] \$ jps
14. 1362 Jps
15. 1309 Nfs3
16. [root@nfsgw hadoop] # jps //root用户执行可以看到portmap和nfs3
17. 1216 Portmap
18. 1309 Nfs3
19. 1374 Jps

