layout	title	date
post	centos网络自检文档	2017-05-25 10:41

一. **centos** 网络自检

> 这里修改的linux版本是基于以下版本

```
cat /etc/issue
CentOS release 6.8 (Final)
Kernel \r on an \m

lsb_release -a
LSB Version:    :base-4.0-amd64:base-4.0-noarch:core-4.0-amd64:core-4.0-noarch:graphic
Distributor ID:    CentOS
Description:    CentOS release 6.8 (Final)
Release:    6.8
Codename:    Final

cat /etc/redhat-release
CentOS release 6.8 (Final)
```

网络检查

- ☐ 主机名
- hostname 一般都是localhost.localdomain 可以通过hostname临时设置主机名,但是重启机器后失效
- ☐ 配置文件名名称
- cat /etc/sysconfig/network 修改主机名 通过reboot重启之后生效

```
    NTWORKING=yes
    HOSTNAME=localhost
```

- ☐ 查看IP地址配置
- 通过: cat /etc/sysconfig/network-scripts/ifcfg-eth0 查看

```
DEVICE=eth0
TYPE=Ethernet
UUID=10e7ef04-64c9-4b04-904b-d0fd7312df71
ONBOOT=yes
NM_CONTROLLED=yes
BOOTPROTO=static
IPADDR=192.168.7.221
```

```
PREFIX=16
GATEWAY=192.168.2.1
DNS1=223.5.5.5
DEFROUTE=yes
IPV4_FAILURE_FATAL=yes
IPV6INIT=no
NAME="System eth0"
HWADDR=A0:42:3F:31:75:5C
LAST_CONNECT=1454314108
```

现场环境信息 烽火现场网络配置

- ☐ 查看hosts文件

  cat /etc/host

```
127.0.0.1   localhost localhost.localdomain localhost4 localhost4.localdomain4
::1         localhost localhost.localdomain localhost6 localhost6.localdomain6
192.168.17.247 test247
199.59.148.16  maven.twttr.com
80.86.85.8  datanucleus.org
192.168.7.209 gbd209
```

- ☐ 网络负载查询

  使用dstat命令 观察 net/total列数据情况

- ☐ 查看网络

  i. ping 网关地址 ping 192.168.2.1
  ii. 查看核心路由表

```
[root@localhost network-scripts]# netstat -r
Kernel IP routing table
Destination     Gateway         Genmask         Flags   MSS Window  irtt Iface
192.168.122.0   *               255.255.255.0   U         0 0          0 virbr0
172.17.0.0      *               255.255.0.0     U         0 0          0 docker0
192.168.0.0     *               255.255.0.0     U         0 0          0 eth0
default         192.168.2.1     0.0.0.0         UG        0 0          0 eth0
```

3.查看核心端口的链接数量 有7个链接与2181端口链接(tcp协议为全双工链接)

```
[root@localhost network-scripts]# netstat -apn |grep 2181
tcp       0      0 :::2181                      :::*                        LISTEN
tcp       0      0 ::ffff:127.0.0.1:39854       ::ffff:127.0.0.1:2181       ESTABLISHE
tcp       0      0 ::1:2181                     ::1:29772                   ESTABLISHE
tcp       0      0 ::ffff:127.0.0.1:39874       ::ffff:127.0.0.1:2181       ESTABLISHE
tcp       0      0 ::ffff:127.0.0.1:2181        ::ffff:127.0.0.1:39828      ESTABLISHE
```

```
tcp        0      0 ::ffff:127.0.0.1:2181        ::ffff:127.0.0.1:39829       ESTABLISHE
tcp        0      0 ::1:2181                     ::1:29816                    ESTABLISHE
tcp        0      0 ::ffff:127.0.0.1:2181        ::ffff:127.0.0.1:39854       ESTABLISHE
tcp        0      0 ::ffff:127.0.0.1:39829       ::ffff:127.0.0.1:2181        ESTABLISHE
tcp        0      0 ::1:29816                    ::1:2181                     ESTABLISHE
tcp        0      0 ::ffff:127.0.0.1:39828       ::ffff:127.0.0.1:2181        ESTABLISHE
tcp        0      0 ::ffff:127.0.0.1:2181        ::ffff:127.0.0.1:39874       ESTABLISHE
tcp        0      0 ::1:29772                    ::1:2181                     ESTABLISHE
tcp        0      0 ::ffff:127.0.0.1:39832       ::ffff:127.0.0.1:2181        ESTABLISHE
tcp        0      0 ::ffff:127.0.0.1:2181        ::ffff:127.0.0.1:39832       ESTABLISHE
```

当hmaster 挂掉之后确实连接数变为 2 个

```
[root@localhost hbase-1.1.2]# netstat -apn|grep 2181
tcp        0      0 :::2181                      :::*                         LISTEN
tcp        0      0 ::ffff:127.0.0.1:40470       ::ffff:127.0.0.1:2181        ESTABLISHE
tcp        0      0 ::1:30404                    ::1:2181                     ESTABLISHE
tcp        0      0 ::ffff:127.0.0.1:2181        ::ffff:127.0.0.1:40470       ESTABLISHE
tcp        0      0 ::1:2181                     ::1:30404                    ESTABLISHE
```

也可以通过界面 http://192.168.7.221:16010/master-status 上有个zkdump链接来查看