

shell 基础强化笔记 (二)

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原文链接: <https://ld246.com/article/1575301055418>

来源网站: [链滴](#)

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

1.杂谈

shift+>缩进，v进入选择模式

seq命令用于产生从某个数到另外一个数之间的所有整数。

2.批量ping存活主机

```
#!/bin/bash
for i in {1..254}
do
{
ip=120.255.0.$i
ping -c 1 -W 1 $ip &>/dev/null
if [ $? -eq 0 ];then
echo "$ip is ok"
else
echo "$ip is down"
fi
}&
done
wait
echo "ping is done"
```

3.批量判断是否22端口开启

```
#!/bin/bash
>/tmp/activlp.log
for i in {1..254}
do
{
ip=120.255.0.$i
ping -c 1 -W 1 $ip &>/dev/null
if [ $? -eq 0 ];then
echo "$i. $ip is ok">>/tmp/activlp.log
else
echo "$i. $ip is down"
fi
}&
done
[]
wait
echo "Scan ping is done"
echo "Scan port starting ..."
[]
IFS=$'\n'
for i in $(cat /tmp/activlp.log)
do
ip=$(echo $i |awk '{print $2}')
echo $ip
nmap $ip |grep "22" &>/dev/null
[]
```

```

if [ $? -eq 0 ];then
echo "$ip Port 22 is open!"
else
echo "$ip Port 22 is down!"
fi
done

```

4. mysql主从监测恢复脚本

其中for循环中的{}&表示并发编程的意思

```

#!/bin/bash
IO_Status=$(docker exec -it msmysql mysql -u root -p123456 -e "show slave status\G"|awk '/
lave_IO_Running:/ {print $2}'|sed 's/\r//')
SQL_Status=$(docker exec -it msmysql mysql -u root -p123456 -e "show slave status\G"|awk
/Slave_SQL_Running:/ {print $2}'|sed 's/\r//')
[]
if [ "$IO_Status" == "Yes" ] && [ "$SQL_Status" == "Yes" ];then
echo "数据库主从同步正常! "
else
echo "数据库主从同步失败!"
if [ ! "$IO_Status" == "Yes" ];then
IO_Err=$(docker exec -it msmysql mysql -u root -p123456 -e "show slave status\G"|awk '/Las
_IO/')
echo -e "\033[31m Mysql slave 链接异常 \033[0m \n $IO_Err"
fi
if [ ! "$SQL_Status" == "Yes" ];then
IO_Err=$(docker exec -it msmysql mysql -u root -p123456 -e "show slave status\G"|awk '/Las
_SQL_Errno:/ {print $2}'|sed 's/\r//')
echo -e "\033[31m Mysql slave Sql异常 \033[0m \n $IO_Err"
case $IO_Err in
1007)
sleep 2;
docker exec -it msmysql mysql -u root -p123456 -e "stop slave;set global sql_slave_skip_cou
ter=1;start slave;"
IO_Err=$(docker exec -it msmysql mysql -u root -p123456 -e "show slave status\G"|awk '/Las
_SQL_Errno:/ {print $2}'|sed 's/\r//')
if [ $IO_Err -eq 0 ];then
echo "尝试跳过一次，主从恢复正常"
else
IO_Err2=$(docker exec -it msmysql mysql -u root -p123456 -e "show slave status\G"|awk '/L
st_SQL_Err/')
echo "$IO_Err2"
echo "发邮件! "
fi
;;
1008)
echo "发邮件! "
;;
*)
echo "发邮件! "
esac
fi
fi

```

快速搭建 mysql主从测试环境参考：

<https://www.cnblogs.com/songwenjie/p/9371422.html>