linux rsync+inotify

> linux rsync+inotify

- rsync

cp tar rsync rsync

```
1. rsync ---- remote synchronize

2. rsync “Rsync ” , ,

3.

4.

5. rsync TCP 873 shell rsh ssh sync.
```

- inotify

Inotify `inotify-tools`3 Ir`crontab` Inotify rsync inotify `http://www.ibm.com/developerworks/cn/linux/l-ubuntu-inotify/index.html`

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rsync inotify

2 ip 2 CentOS 6.5

Host	IP	Docoment
Server	192.168.1.21	/tmp
Client	192.168.1.22	/tmp

Server

rsync inotify server client

1 rsync

rsync yum ( )

```
#  rsync xinetd
yum install rsync xinetd

#  xinetd
vi /etc/xinetd.d/rsync
#disable = yes
disable = no

  xinetd
service xinetd start
```

2

:

```
[root@Server ]# echo "rsync-pwd" >/etc/rsync.passwd
#  rsync-pwd       rsync.passwd

[root@Server]# chmod 600 /etc/rsync.passwd
#                       600
```

- Rsync

rsync

1.

```
  rsyncd.conf      ----

  rsyncd.secrets  ----

  rsyncd.motd     ----rysnc
```

3 inotify

```
[root@Server]# cd /usr/src/
[root@Server src]# wget http://cloud.github.com/downloads/rvoicilas/inotify-tools/inotify-
tools-3.14.tar.gz
[root@Server src]# tar zxvf inotify-tools-3.14.tar.gz
[root@Server src]# cd inotify-tools-3.14
[root@Server inotify-tools-3.14]# ./configure --prefix=/usr/local/inotify
```

```
[root@Server inotify-tools-3.14]# make
[root@Server inotify-tools-3.14]# make install
```

4 rsync

server /tmp inotify rsync client /tmp shell

```
#! /bin/bash
host=192.168.1.22
src=/tmp/
des=web
user=webuser
/usr/local/inotify/bin/inotifywait -mrq --timefmt '%d/%m/%y %H:%M' --format '%T %w%f%e' -e
modify,delete,create,attrib $src \
| while read files
do
/usr/bin/rsync -vzrtopg --delete --progress --password-file=/usr/local/rsync/rsync.passwd
$src $user@$host::$des
echo "${files} was rsynced" >>/tmp/rsync.log 2>&1
done
```

rsync host client ip src server des client user

```
[root@Server tmp]# chmod 764 rsync.sh
```

```
[root@Server tmp]# sh /tmp/rsync.sh &
```

client rsync rsync rsync.sh

rsync: failed to connect to 192.168.1.22: Connection refused (111)
rsync error: error in socket IO (code 10) at clientserver.c(107) [sender=2.6.8]

rsync.sh

```
[root@Server tmp]# echo "/tmp/rsync.sh" >> /etc/rc.local
```

Client

1 rsync rsync

```
```

```
#  rsync xinetd
yum install rsync xinetd

#  xinetd
vi /etc/xinetd.d/rsync
#disable = yes
disable = no

  xinetd
service xinetd start
```

2

```
[root@Client]# echo "webuser:rsync-pwd" > /etc/rsync.passwd
#    server                      client

[root@Client]# chmod 600 /etc/rsync.passwd
#      600
```

3 rsync

vim /etc/rsyncd.conf

```
uid = root
gid = root
use chroot = no
max connections = 10
strict modes = yes
pid file = /var/run/rsyncd.pid
lock file = /var/run/rsync.lock
log file = /var/log/rsyncd.log
[web]
path = /tmp/
comment = web file
ignore errors
read only = no
write only = no
hosts allow = 192.168.10.220
hosts deny = *
list = false
uid = root
```

```
gid = root
auth users = webuser
secrets file = /usr/local/rsync/rsync.passwd
```

web server

4 rsync

```
service xinetd start
chkconfig xinetd on   #
```

rsync inotify server rsync client

server test-rsync client

```
[root@Server tmp]# touch test-rsync
```

client test-rsync client tmp server

```
 uid = nobody

          nobody

gid = nobody

      nobody

use chroot = no

  "use chroot"   true   rsync       chroot path                          root

list = no



max connections = 10
```

```
timeout = 600

      IP       rsync

pidfile = /var/run/rsyncd.pid

pid

lock file = /var/run/rsync.lock



log file = /var/log/rsyncd.log



[data]

         samba

path = /home/backup



ignore errors

        IO

read only = no



list = no



hosts allow = 192.168.1.0/255.255.255.0
```

```
       IP                 ip  ip    ip

auth users = test



secrets file = /etc/rsyncd.password
```

> 1 [backup]   path = /www/backup/
>
>   path
>
>   2 auth users = redhat

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