



链滴

# 数据同步自动化实现脚本 -sersync

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原文链接: <https://ld246.com/article/1615549595253>

来源网站: [链滴](#)

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# 1 rsyncd服务端方式实现

## 1.1 存放备份数据执行的脚本

```
#!/bin/bash
#
#*****
#Author:zhangzhuo
#QQ: 1191400158
#Date: 2021-03-11
#FileName: install_backup_rsyncd.sh
#URL: https://www.zhangzhuo.ltd
#Description: The test script
#Copyright (C): 2021 All rights reserved
#*****
#验证用户名
USER='zz'
#用户密码
PASS='123456'
#备份目录
DIR='/data/backup'
```

```
rpm -q rsync-daemon &>/dev/null || yum install -y rsync-daemon
cat >> /etc/rsyncd.conf <<EOF
uid = root
gid = root
max connections = 0
ignore errors
exclude = lost+found/
```

```

log file = /var/log/rsyncd.log
pid file = /var/run/rsyncd.pid
lock file = /var/run/rsyncd.lock
reverse lookup = no
[backup]
path = ${DIR}
comment = backup dir
read only = no
auth users = ${USER}
secrets file = /etc/rsync.pas
EOF
[ -d ${DIR} ] || mkdir -p ${DIR}

echo "${USER}:${PASS}" > /etc/rsync.pas
chmod 600 /etc/rsync.pas

systemctl enable --now rsyncd &>/dev/null
systemctl restart rsyncd

```

## 1.2 要备份端执行的脚本

```

#!/bin/bash
#
#*****
#Author:zhangzhuo
#QQ: 1191400158
#Date: 2021-03-11
#FileName: sersync_rsync.sh
#URL: https://www.zhangzhuo.ltd
#Description: The test script
#Copyright (C): 2021 All rights reserved
#*****
#安装包名称
tar_name='sersync2.5.4_64bit_binary_stable_final.tar.gz'
#安装位置
install_dir='/usr/local/sersync'
#要备份的目录,路径中的/加\进行转义
backup_dir='\data'
#rsyncd服务器配置
rsyncd_ip='192.168.10.82'
rsyncd_dir='backup'
#验证rsyncd用户信息, 路径中的/加\进行转义
user_file='\etc\rsync.pas'
user='zz'
pass='123456'

install(){
[ -f $tar_name ] || { echo "sersync压缩文件不存在" ; exit ; }
[ -d `echo "" | sed -rn "s/(.*)\1${backup_dir}/p` ] || mkdir `echo "" | sed -rn "s/(.*)\1${backup_dir}/p`
[ -d /usr/local/sersync ] || { tar xf ${tar_name};mv GNU-Linux-x86 /usr/local/sersync; }
echo "PATH=${install_dir}:$PATH" >/etc/profile.d/sersync.sh

```

```
rpm -q rsync && /dev/null || dnf install -y rsync
```

```
cp ${install_dir}/confxml.xml ${install_dir}/confxml.xml.bak
userpass=`echo "" | sed -rn "s/(.*)\1${user_file}/p"`
echo "$pass" > $userpass
chmod 600 $userpass
}
```

```
set_xml(){
sed -ri "s/(.*<attrib start=\\")false(\\V>.*)\1true\2/" ${install_dir}/confxml.xml
sed -ri "24s/(.*<localpath watch=\\").*(\\>.*)\1${backup_dir}\2/" ${install_dir}/confxml.xml
sed -ri "25s/(.*<remote ip=\\").*(\\ name=\\").*(\\V>.*)\1${rsyncd_ip}\2${rsyncd_dir}\3/" ${install_dir}/confxml.xml
sed -ri "s/(.*<auth start=\\").*(\\ users=\\").*(\\ passwordfile=\\").*(\\V>.*)\1true\2${user}\3${user_file}\4/" ${install_dir}/confxml.xml
}
```

```
install
set_xml
```

```
sersync2 -dro ${install_dir}/confxml.xml && echo "同步启动成功" || echo "同步启动失败"
```

## 2 ssh方式备份（存放数据端执行）

```
#!/bin/bash
#
#*****
#Author:zhangzhuo
#QQ: 1191400158
#Date: 2021-03-11
#FileName: sersync_ssh.sh
#URL: https://www.zhangzhuo.ltd
#Description: The test script
#Copyright (C): 2021 All rights reserved
#*****
#安装包名称
tar_name='sersync2.5.4_64bit_binary_stable_final.tar.gz'
#安装位置
install_dir='/usr/local/sersync'
#要备份的目录,路径中的加\进行转义
backup_dir='\data'
#rsyncd服务器配置
rsyncd_ip='192.168.10.82'
rsyncd_root_pass='123456'
rsyncd_dir='\data\backup'

ssh(){
[ -f /root/.ssh/id_rsa ] || ssh-keygen -f /root/.ssh/id_rsa -P ""
rpm -q sshpass && /dev/null || yum -y install sshpass
export SSHPASS=${rsyncd_root_pass}
sshpass -e ssh-copy-id -o StrictHostKeyChecking=no $rsyncd_ip
rpm -q pssh && /dev/null || yum install -y pssh
pssh -H "${rsyncd_ip}" "rpm -q rsync || dnf install -y rsync"
dir1=`echo "" | sed -rn "s/(.*)\1${rsyncd_dir}/p"`
```

```

pssh -H "${rsyncd_ip}" "[ -d ${dir1} ] || mkdir -p ${dir1}"
}

install(){
[ -f $tar_name ] || { echo "sersync压缩包不存在";exit ;}
[ -d `echo "" | sed -rn "s/(.*)\1${backup_dir}/p" ` ] || mkdir `echo "" | sed -rn "s/(.*)\1${backup_dir}/p`
[ -d /usr/local/sersync ] || { tar xf ${tar_name};mv GNU-Linux-x86 /usr/local/sersync; }
echo "PATH=${install_dir}:$PATH" >/etc/profile.d/sersync.sh
rpm -q rsync &>/dev/null || dnf install -y rsync
cp ${install_dir}/confxml.xml ${install_dir}/confxml.xml.bak
}

set_xml(){
sed -ri "s/(.*<attrib start=\\")false(\\\"\\>.*)\1true\2/" ${install_dir}/confxml.xml
sed -ri "24s/(.*<localpath watch=\\").*(\\\">.*)\1${backup_dir}\2/" ${install_dir}/confxml.xml
sed -ri "25s/(.*<remote ip=\\").*(\\\" name=\\").*(\\\"\\>.*)\1${rsyncd_ip}\2${rsyncd_dir}\3/" ${install_dir}/confxml.xml
sed -ri "s/(.*<ssh start=\\").*(\\\"\\>.*)\1true\2/" ${install_dir}/confxml.xml
}

ssh
install
set_xml
${install_dir}/sersync2 -dro ${install_dir}/confxml.xml && echo "同步服务已经启动" || echo "同步服务启动失败"

```

- 执行脚本时请根据自己实际环境调试变量参数
- 执行脚本时需下载sersync软件，并且变量中要写明软件压缩包存放位置