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vim /etc/hosts

127.0.0.1 localhost localhost.localdomain localhost4 localhost4.localdomain4

::1 localhost localhost.localdomain localhost6 localhost6.localdomain6

192.168.127.129 hostname02 host2

netstat -tulnp

netstat -tulnp |grep ssh

vim hosts

firewall-cmd --list -services

firewall-cmd --list-services

ssh admin@hostname02

ssh-keygen

ssh-copy-id admin@hostname02

ssh admin@hostname02

SCP from Host01 to Host02

Host1

[root@hostname01 ~]# scp /root/scptest/testfile1a admin@hostname02:/home/admin/test/

testfile1a 100% 80 24.2KB/s 00:00

[root@hostname01 ~]# time scp /root/scptest/testfile1a admin@hostname02:/home/admin/test/

testfile1a 100% 80 23.4KB/s 00:00

real 0m0.684s

user 0m0.080s

sys 0m0.054s

[root@hostname01 ~]#

Host 2

[admin@hostname02 ~]$ ls

Desktop Documents Downloads Music Pictures Public Templates testfile1 testfile2 testfile3 testfile4 testfile5 testscp Videos y y.pub

[admin@hostname02 ~]$ mkdir test

[admin@hostname02 ~]$ cd test

[admin@hostname02 test]$ ls

testfile1a

[admin@hostname02 test]$

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Backup using tar

[root@hostname01 ~]# ls

anaconda-ks.cfg Documents ECAP.dat employee.dat.bak kern.conf Pictures scptest Videos y.pub

Desktop Downloads employee.dat History.txt Music Public Templates y

[root@hostname01 ~]# tar -cvf scptest.backup.tar /root/scptest/

tar: Removing leading `/' from member names

/root/scptest/

/root/scptest/testfile1

/root/scptest/testfile1a

/root/scptest/testfile1b

/root/scptest/testfile1c

/root/scptest/testfile2a

/root/scptest/testfile2b

/root/scptest/testfile2c

/root/scptest/testfile3a

/root/scptest/testfile3b

/root/scptest/testfile3c

[root@hostname01 ~]# cd scptest/

[root@hostname01 scptest]# ls

testfile1 testfile1a testfile1b testfile1c testfile2a testfile2b testfile2c testfile3a testfile3b testfile3c

[root@hostname01 scptest]# cd root

bash: cd: root: No such file or directory

[root@hostname01 scptest]# cd /root

[root@hostname01 ~]# ls

anaconda-ks.cfg Documents ECAP.dat employee.dat.bak kern.conf Pictures scptest Templates y

Desktop Downloads employee.dat History.txt Music Public scptest.backup.tar Videos y.pub

[root@hostname01 ~]# tar -tvf scptest.backup.tar

drwxr-xr-x root/root 0 2025-01-23 19:54 root/scptest/

-rw-r--r-- root/root 0 2025-01-23 19:52 root/scptest/testfile1

-rw-r--r-- root/root 80 2025-01-23 19:55 root/scptest/testfile1a

-rw-r--r-- root/root 0 2025-01-23 19:54 root/scptest/testfile1b

-rw-r--r-- root/root 0 2025-01-23 19:54 root/scptest/testfile1c

-rw-r--r-- root/root 0 2025-01-23 19:54 root/scptest/testfile2a

-rw-r--r-- root/root 0 2025-01-23 19:54 root/scptest/testfile2b

-rw-r--r-- root/root 0 2025-01-23 19:54 root/scptest/testfile2c

-rw-r--r-- root/root 0 2025-01-23 19:54 root/scptest/testfile3a

-rw-r--r-- root/root 0 2025-01-23 19:54 root/scptest/testfile3b

-rw-r--r-- root/root 0 2025-01-23 19:54 root/scptest/testfile3c

[root@hostname01 ~]# rm scptest.backup.tar

rm: remove regular file 'scptest.backup.tar'?

[root@hostname01 ~]# ls

anaconda-ks.cfg Documents ECAP.dat employee.dat.bak kern.conf Pictures scptest Templates y

Desktop Downloads employee.dat History.txt Music Public scptest.backup.tar Videos y.pub

[root@hostname01 ~]# rm scptest.backup.tar

rm: remove regular file 'scptest.backup.tar'? y

[root@hostname01 ~]# ls

anaconda-ks.cfg Documents ECAP.dat employee.dat.bak kern.conf Pictures scptest Videos y.pub

Desktop Downloads employee.dat History.txt Music Public Templates y

[root@hostname01 ~]# time tar -czvf scptest.backup.tar /root/scptest

tar: Removing leading `/' from member names

/root/scptest/

/root/scptest/testfile1

/root/scptest/testfile1a

/root/scptest/testfile1b

/root/scptest/testfile1c

/root/scptest/testfile2a

/root/scptest/testfile2b

/root/scptest/testfile2c

/root/scptest/testfile3a

/root/scptest/testfile3b

/root/scptest/testfile3c

real 0m0.025s

user 0m0.009s

sys 0m0.013s

[root@hostname01 ~]# ls

anaconda-ks.cfg Documents ECAP.dat employee.dat.bak kern.conf Pictures scptest Templates y

Desktop Downloads employee.dat History.txt Music Public scptest.backup.tar Videos y.pub

[root@hostname01 ~]# ls -lh

total 32K

-rw-------. 1 root root 828 Aug 25 2022 anaconda-ks.cfg

drwxr-xr-x. 2 root root 6 Aug 25 2022 Desktop

drwxr-xr-x. 2 root root 6 Aug 25 2022 Documents

drwxr-xr-x. 2 root root 6 Aug 25 2022 Downloads

-rw-r--r--. 1 root root 25 Jan 21 00:22 ECAP.dat

-rw-r--r--. 1 root root 74 Jan 21 00:17 employee.dat

-rw-r--r--. 1 root root 147 Jan 21 00:00 employee.dat.bak

-rw-r--r--. 1 root root 1.3K Jan 21 20:45 History.txt

-rw-r--r--. 1 root root 0 Jan 20 23:50 kern.conf

drwxr-xr-x. 2 root root 6 Aug 25 2022 Music

drwxr-xr-x. 2 root root 6 Aug 25 2022 Pictures

drwxr-xr-x. 2 root root 6 Aug 25 2022 Public

drwxr-xr-x. 2 root root 185 Jan 23 19:54 scptest

-rw-r--r--. 1 root root 309 Jan 23 20:25 scptest.backup.tar

drwxr-xr-x. 2 root root 6 Aug 25 2022 Templates

drwxr-xr-x. 2 root root 6 Aug 25 2022 Videos

-rw-------. 1 root root 2.6K Jan 23 19:11 y

-rw-r--r--. 1 root root 569 Jan 23 19:11 y.pub

[root@hostname01 ~]# ls -lh scptest.backup.tar

-rw-r--r--. 1 root root 309 Jan 23 20:25 scptest.backup.tar

[root@hostname01 ~]# du -lh scptest.backup.tar

4.0K scptest.backup.tar

[root@hostname01 ~]# du -lh scptest

4.0K scptest

[root@hostname01 ~]# rm scptest.backup.tar

rm: remove regular file 'scptest.backup.tar'? y

[root@hostname01 ~]# ls

anaconda-ks.cfg Documents ECAP.dat employee.dat.bak kern.conf Pictures scptest Videos y.pub

Desktop Downloads employee.dat History.txt Music Public Templates y

[root@hostname01 ~]# tar scp

scpa scpB scpf scpg scph scpi scpj scpk scpl scpm scpn scpo scpP scpS scpU scpV scpW scpz

scpb scpC scpF scpG scpH scpI scpJ scpK scpL scpM scpN scpO scpR scpT scpv scpw scpX scpZ

[root@hostname01 ~]# tar -cvjf scptest.backup.tar.bz2 /root/scptest

tar: Removing leading `/' from member names

/root/scptest/

/root/scptest/testfile1

/root/scptest/testfile1a

/root/scptest/testfile1b

/root/scptest/testfile1c

/root/scptest/testfile2a

/root/scptest/testfile2b

/root/scptest/testfile2c

/root/scptest/testfile3a

/root/scptest/testfile3b

/root/scptest/testfile3c

[root@hostname01 ~]# ls

anaconda-ks.cfg Documents ECAP.dat employee.dat.bak kern.conf Pictures scptest Templates y

Desktop Downloads employee.dat History.txt Music Public scptest.backup.tar.bz2 Videos y.pub

[root@hostname01 ~]# du -lh scptest.backup.tar.bz2

4.0K scptest.backup.tar.bz2

[root@hostname01 ~]#

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Remote Backup using rsync

HOST1

[root@hostname01 ~]# crontab -e

\* \* \* \* \* /usr/bin/rsync -avz -e "ssh" /root/scptest/ admin@hostname03:/home/admin/rsync\_backup

crontab: installing new crontab

[root@hostname01 ~]# which rsync

/usr/bin/rsync

[root@hostname01 ~]# crontab -e

crontab: installing new crontab

[root@hostname01 ~]# ls

anaconda-ks.cfg Documents ECAP.dat employee.dat.bak kern.conf Pictures scptest Templates y

Desktop Downloads employee.dat History.txt Music Public scptest.backup.tar.bz2 Videos y.pub

[root@hostname01 scptest]# ls

testfile1

[root@hostname01 scptest]# cat > testfile2

[root@hostname01 scptest]# cat testfile2

This is testfile2

[admin@hostname01 etc]$

HOST2

[admin@hostname02 rsync\_backup]$ ls

testfile1 testfile2

[admin@hostname02 rsync\_backup]$