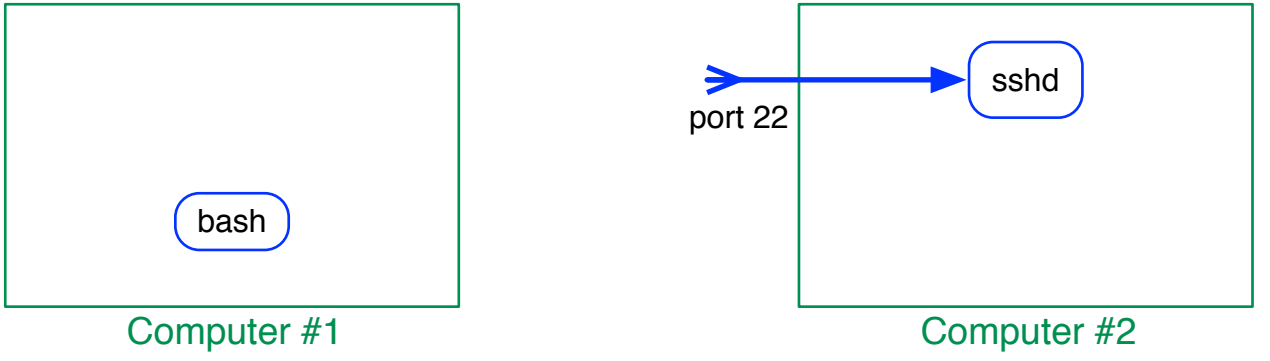
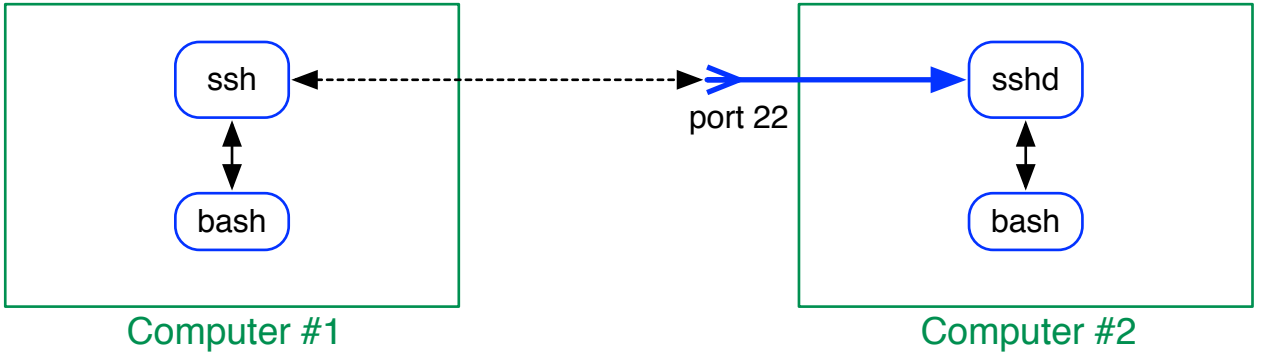
Standard SSH

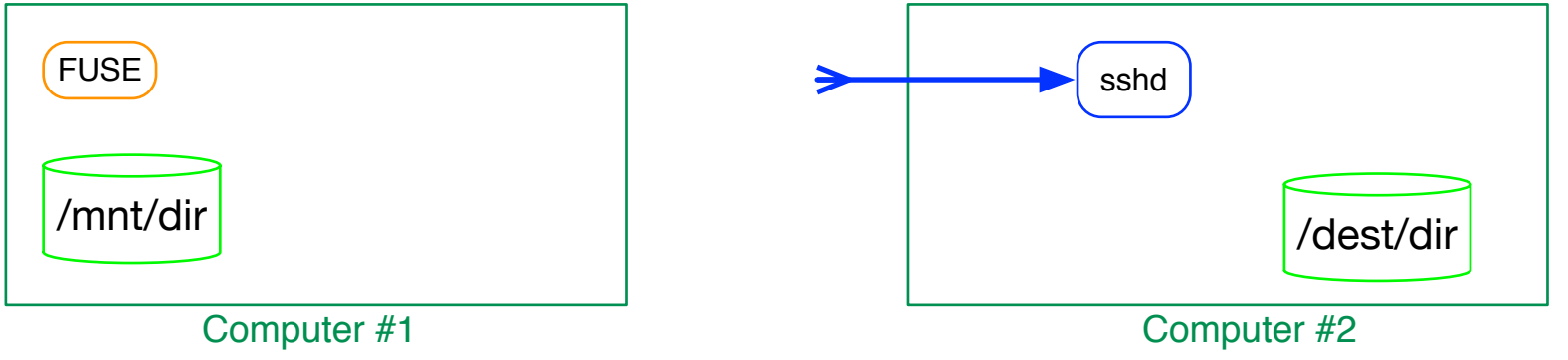


Before the SSH connection is established.

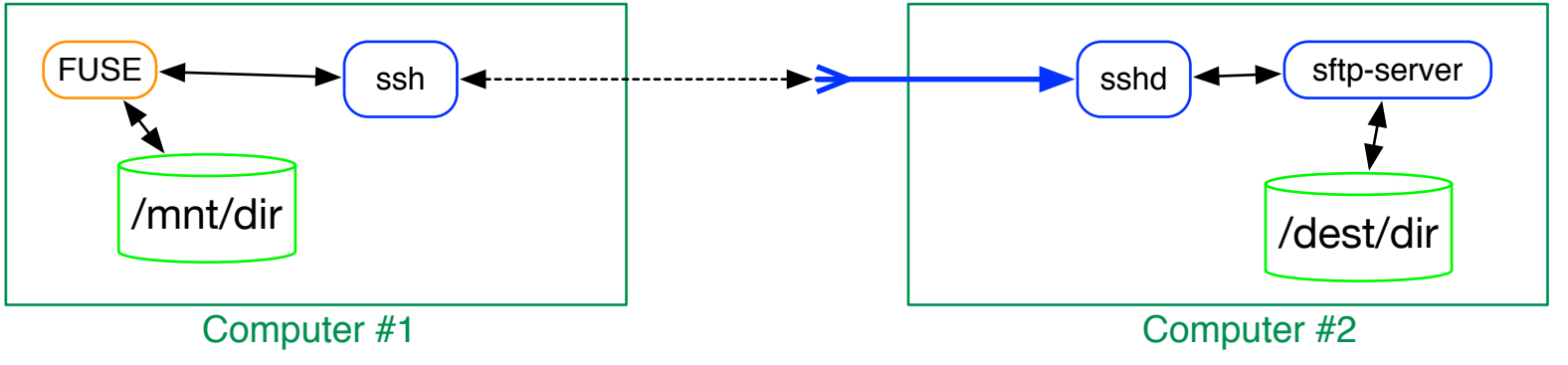


After the SSH connection is established

Standard SSHFS

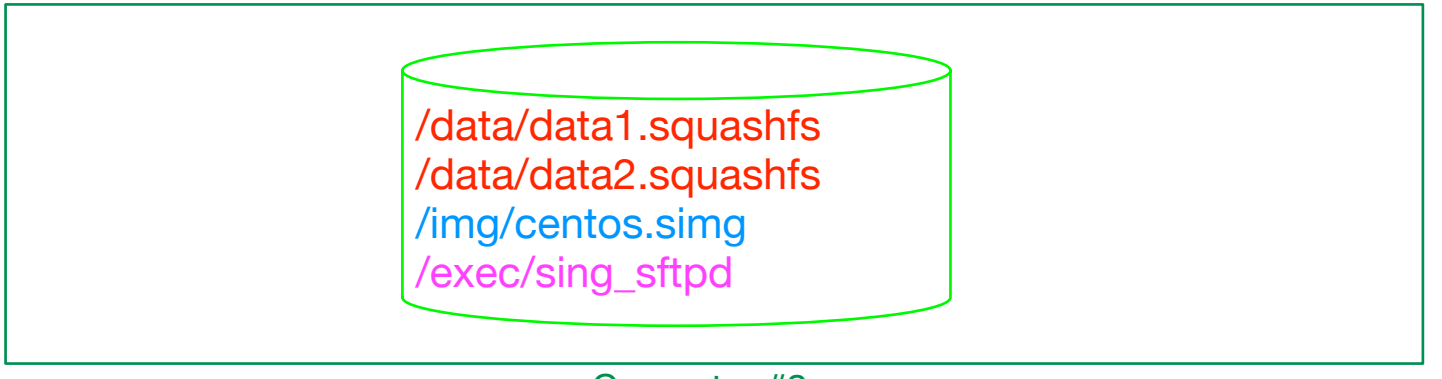


Before the SSHFS mount is established.



sshfs computer2:/dest/dir /mnt/dir

SSHFS in SQFS : Prereqs



Computer #2

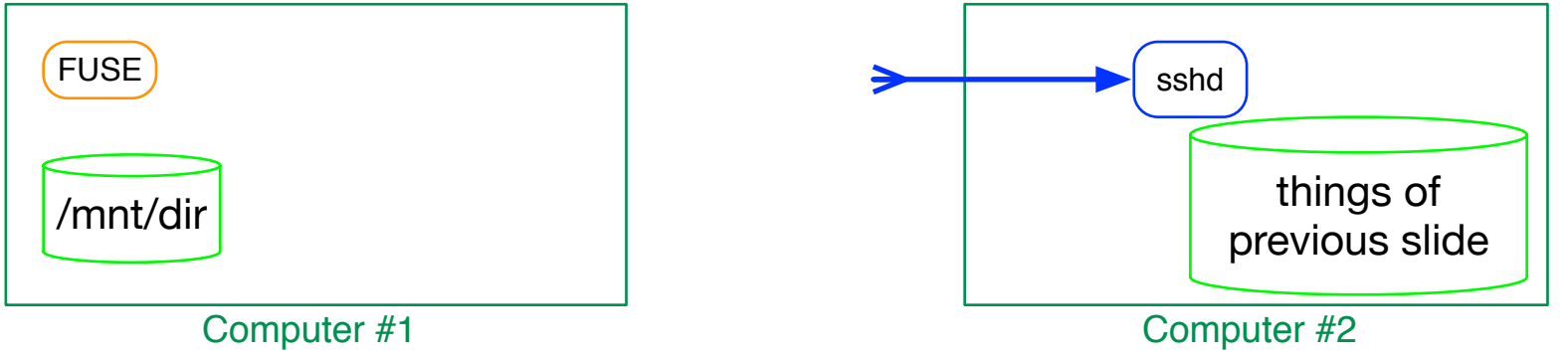
Note 1: centos.simg contains openssl-server (and so /libexec/openssh/sftp-server)

Note 2: squashfs internal data files show up inside container under path /BIG

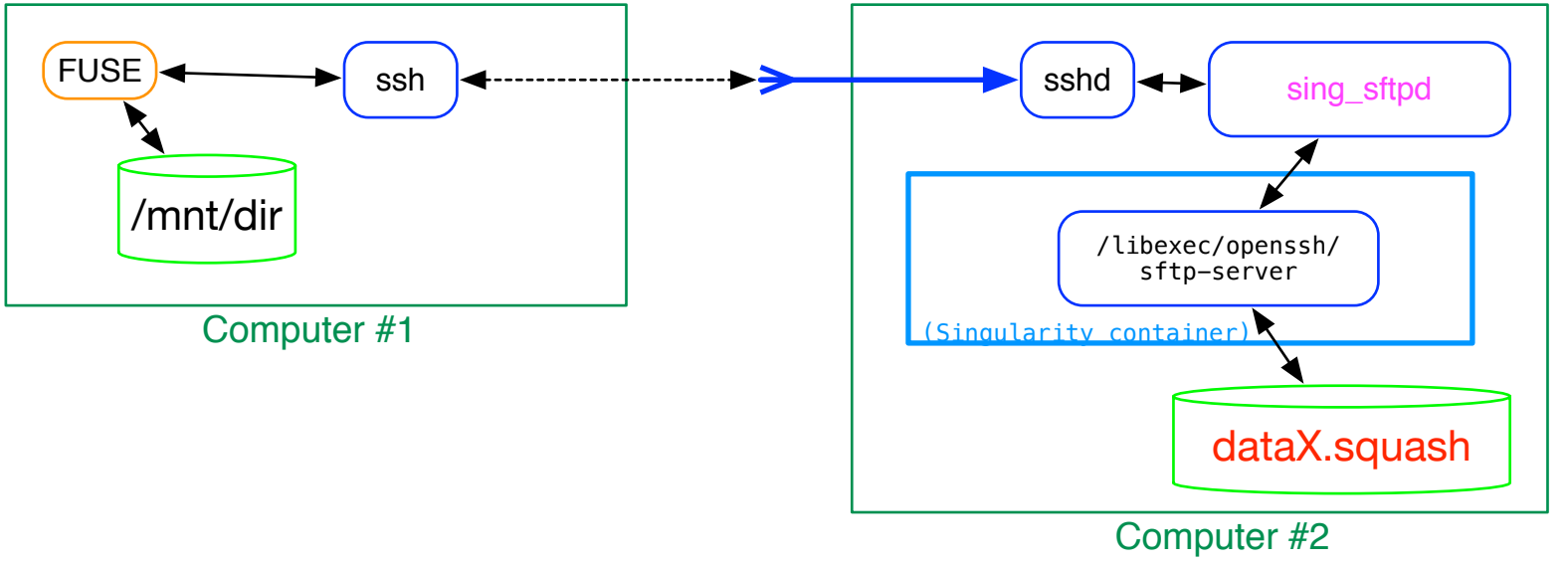
```
#/bin/bash

/usr/bin/singularity -s exec     \
  --overlay=/data/data1.squashfs \
  --overlay=/data/data2.squashfs \
  /img/centos.simg               \
  /libexec/openssh/sftp-server
```

Content of script 'sing_sftpd' (fake with hardcoded paths)

SSHFS + SING_SFTP

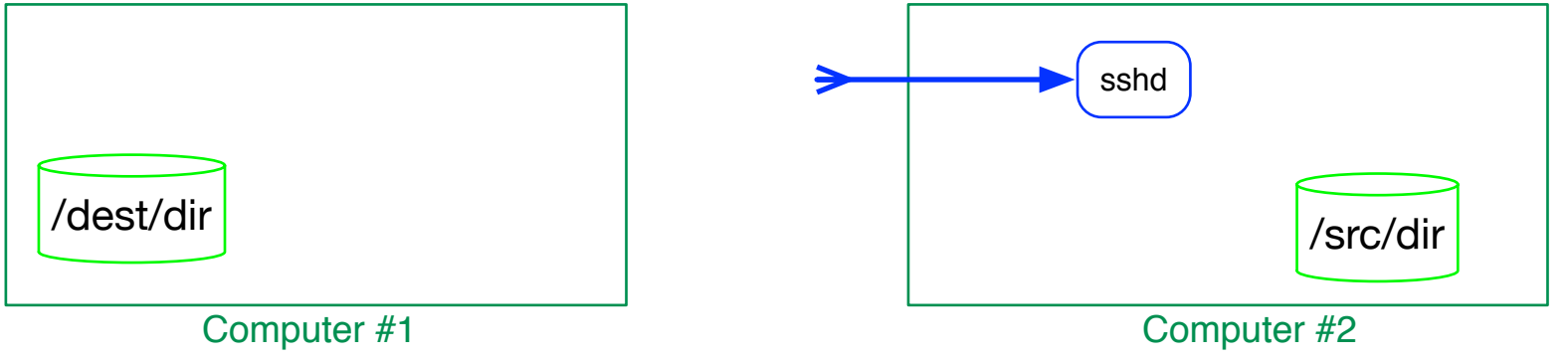


Before the SSHFS mount is established.

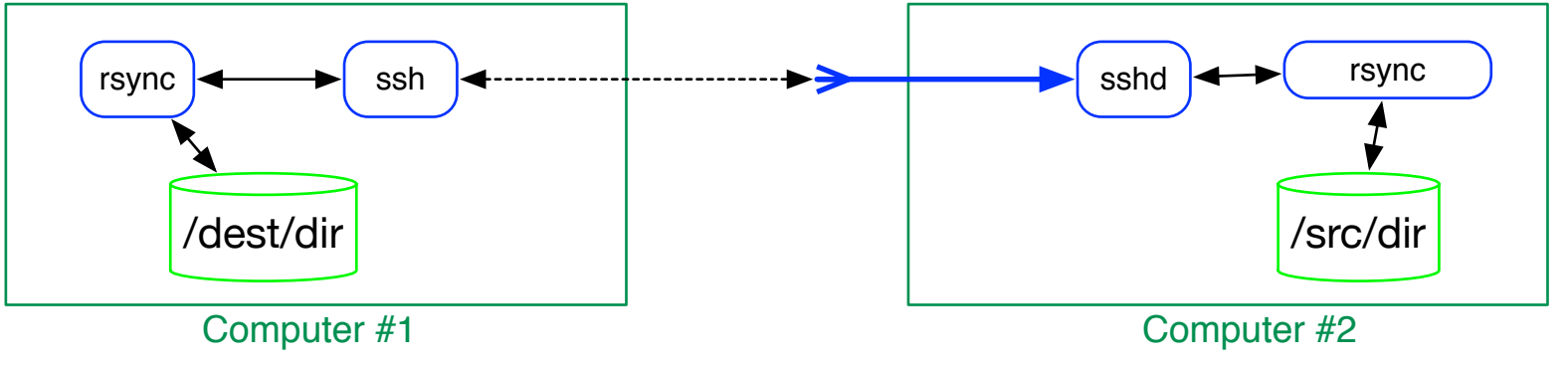


sshfs -o sftp-server=/exec/sing_sftpd computer2:/BIG /mnt/dir

Standard RSYNC

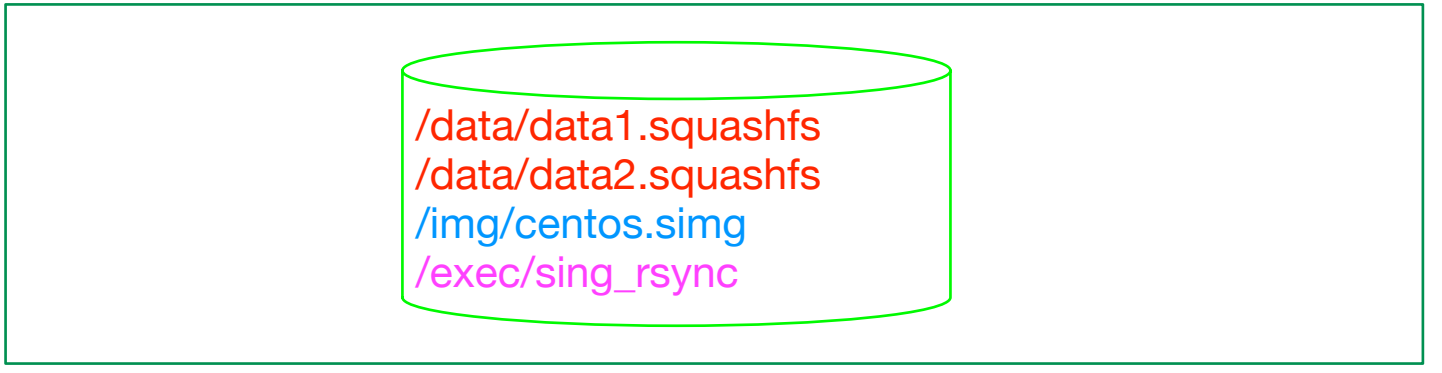


Before the rsync command is started.



rsync -a computer2:/src/dir /dest/dir

RSYNC in SQFS : Prereqs



Computer #2

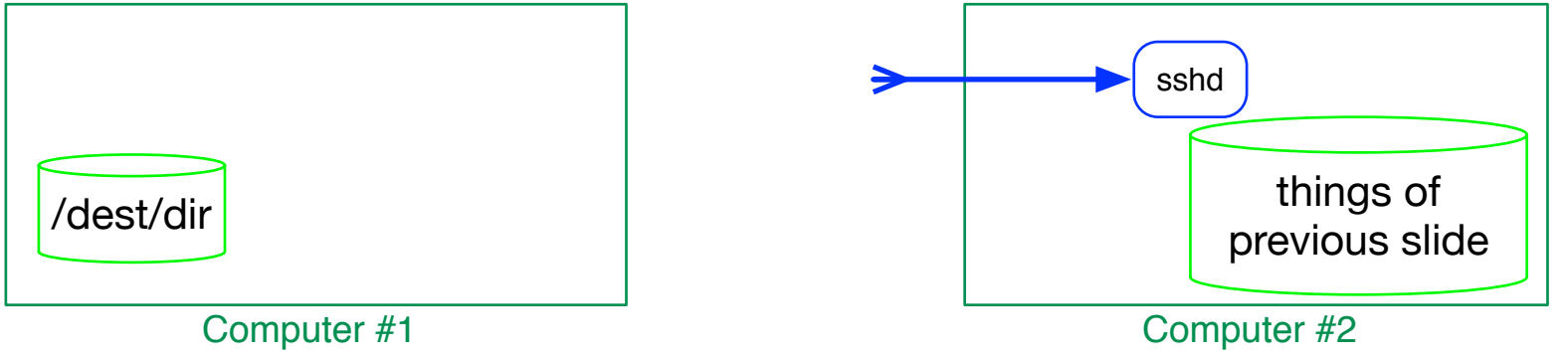
Note 1: centos.simg contains the rsync system package

Note 2: squashfs internal data files show up inside container under path /BIG

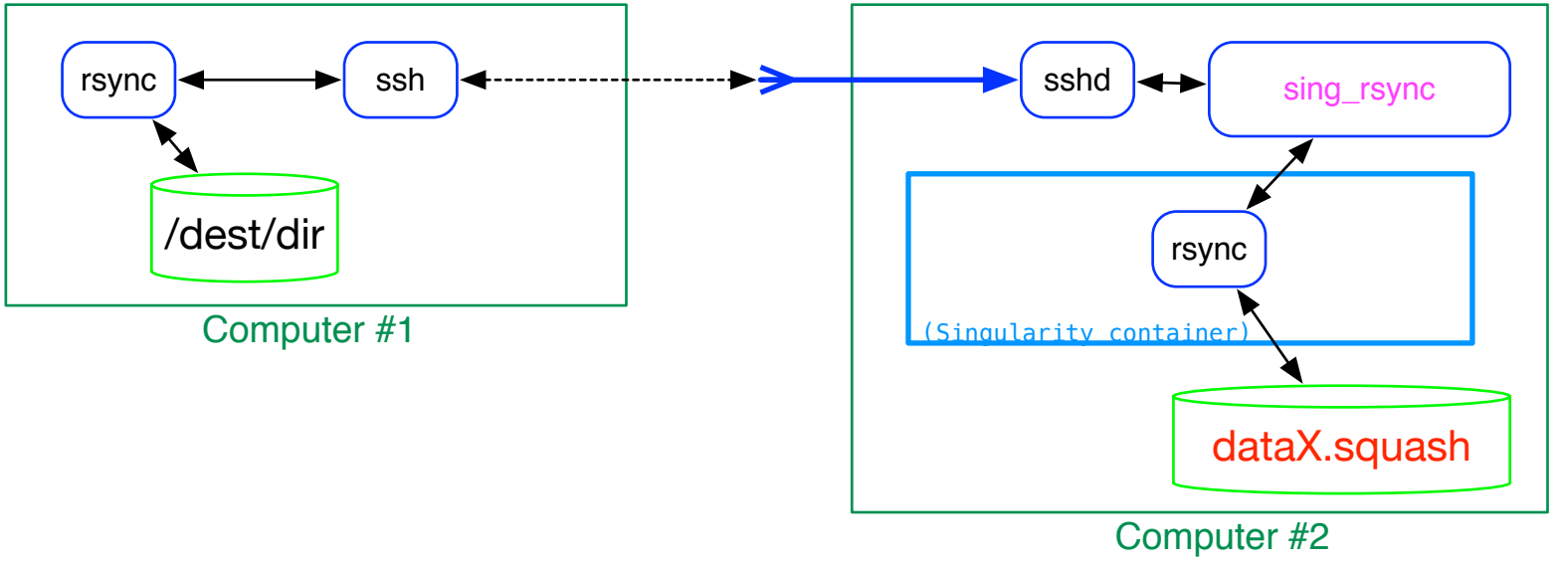
```
#/bin/bash

/usr/bin/singularity -s exec     \
  --overlay=/data/data1.squashfs \
  --overlay=/data/data2.squashfs \
  /img/centos.simg               \
  rsync
```

Content of script 'sing_rsync' (fake with hardcoded paths)

RSYNC + SING_RSYNC



Before the rsync command is started.



rsync --rsync-path=/exec/sing_rsync computer2:/BIG /dest/dir