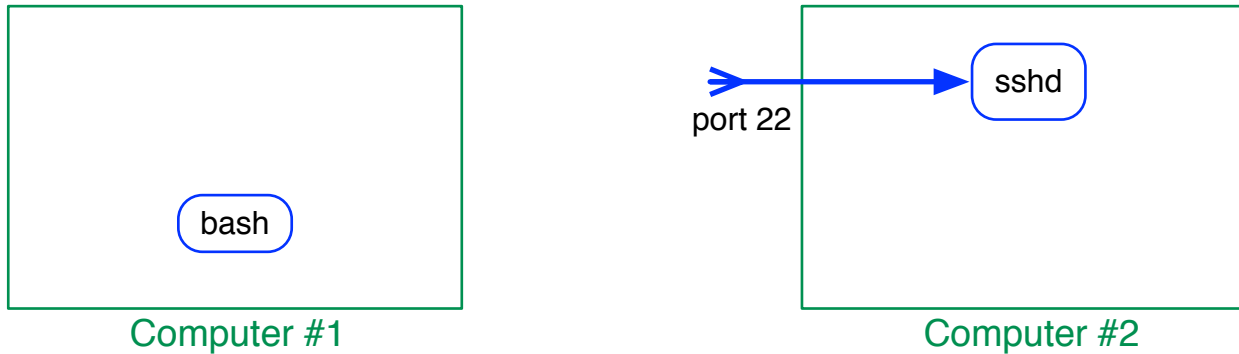
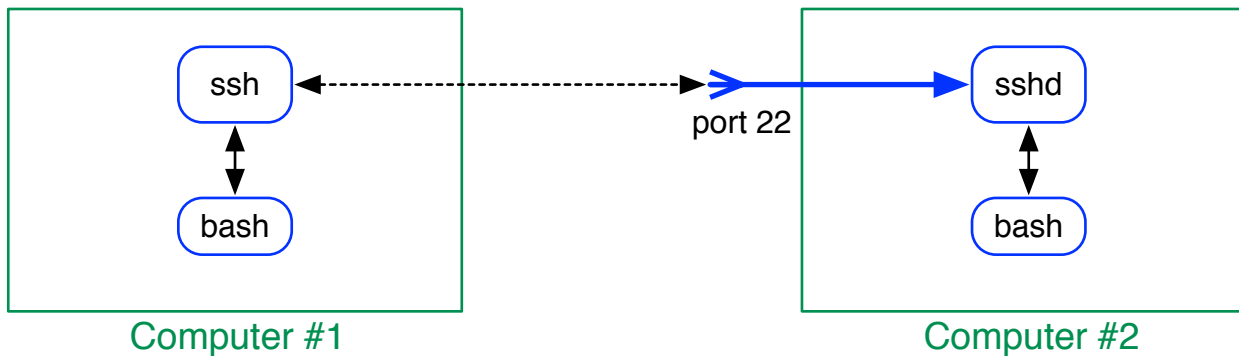


# Standard SSH

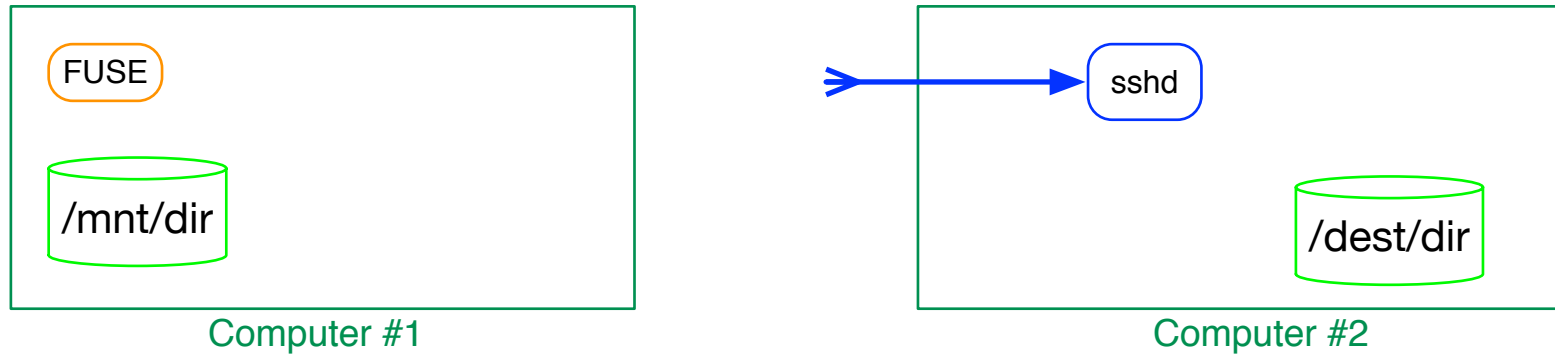


Before the SSH connection is established.

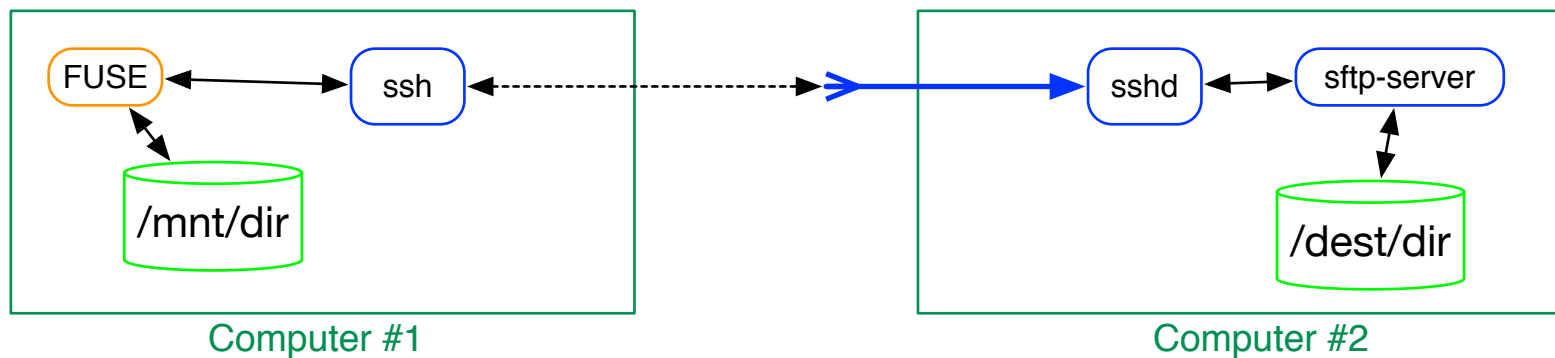


After the SSH connection is established

# Standard SSHFS

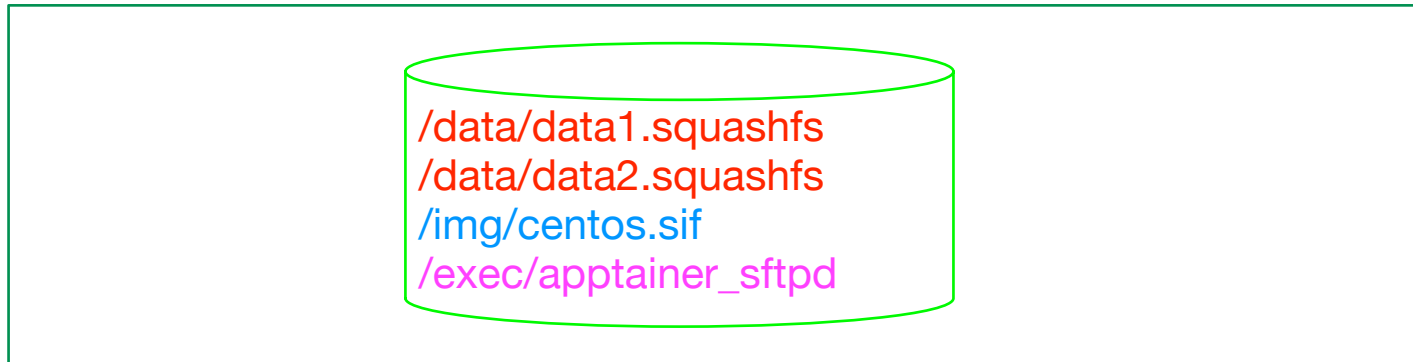


Before the SSHFS mount is established.



`sshfs computer2:/dest/dir /mnt/dir`

# SSHFS in SQFS : Prereqs



Computer #2

Note 1: centos.sif contains openssl-server (and so [/libexec/openssh/sftp-server](#))

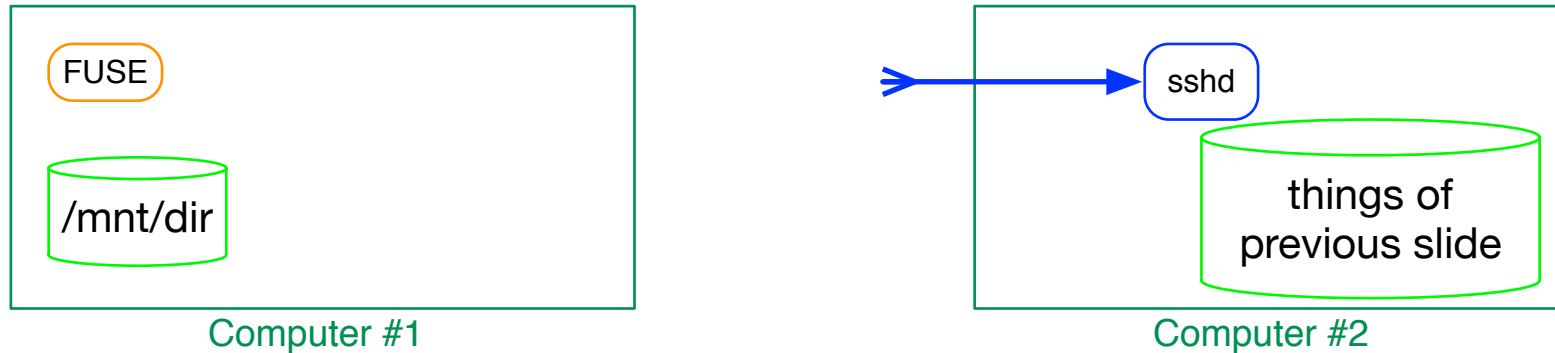
Note 2: squashfs internal data files show up inside container under path **/BIG**

```
#!/bin/bash

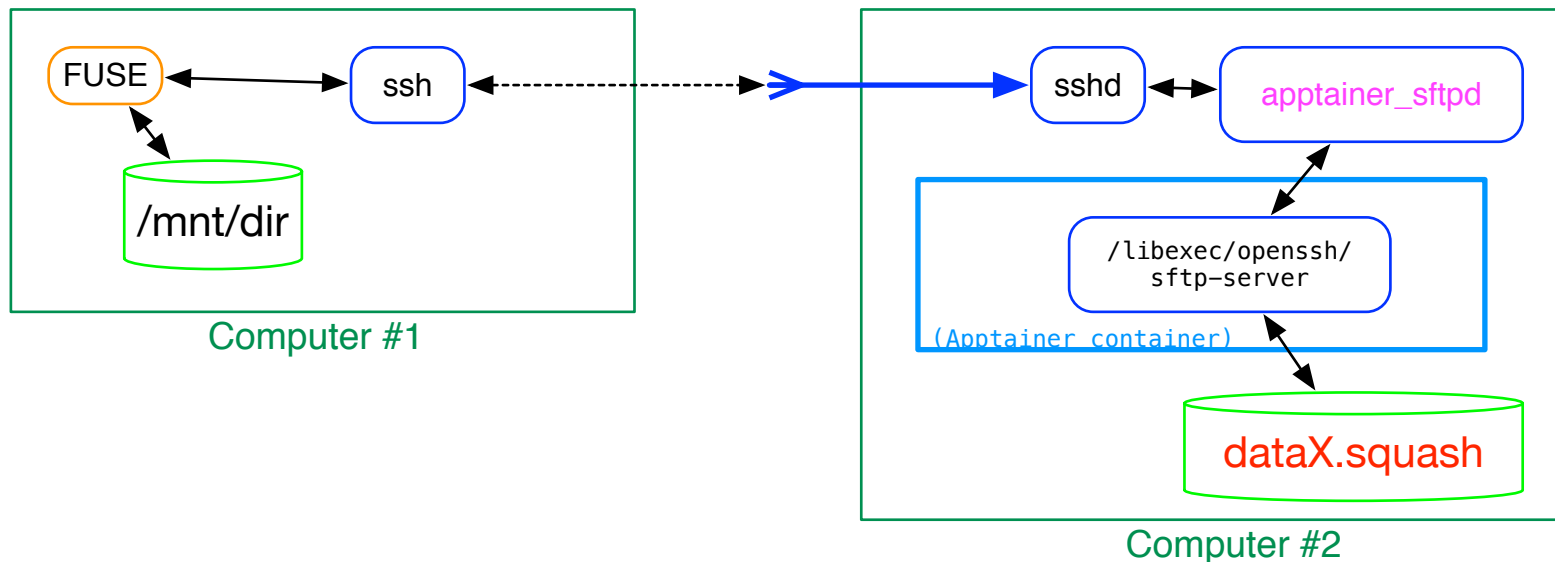
/usr/bin/apptainer -s exec \
  --overlay=/data/data1.squashfs \
  --overlay=/data/data2.squashfs \
  /img/centos.sif \
  /libexec/openssh/sftp-server
```

Content of script 'apptainer\_sftpd' (fake with hardcoded paths)

# SSHFS + APPTAINER\_SFTP

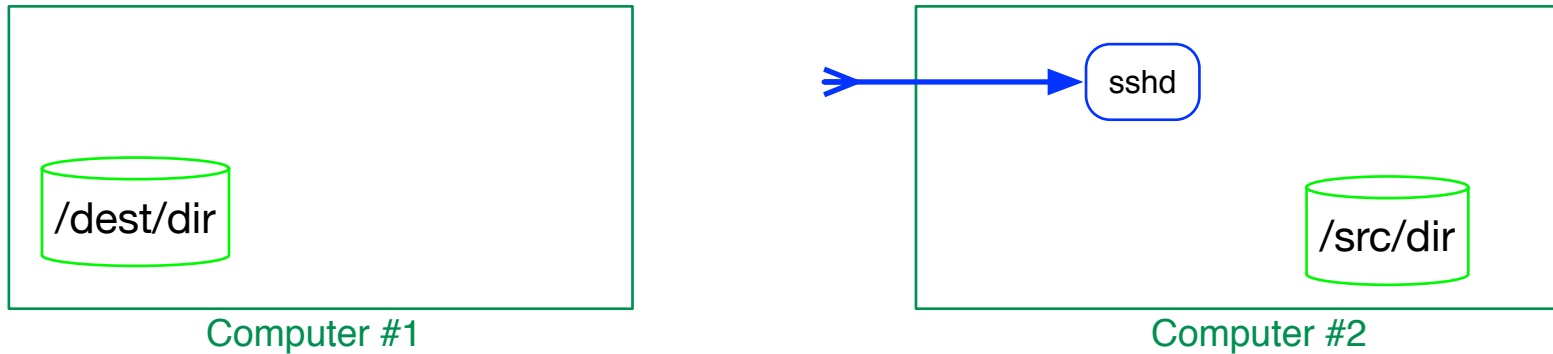


Before the SSHFS mount is established.

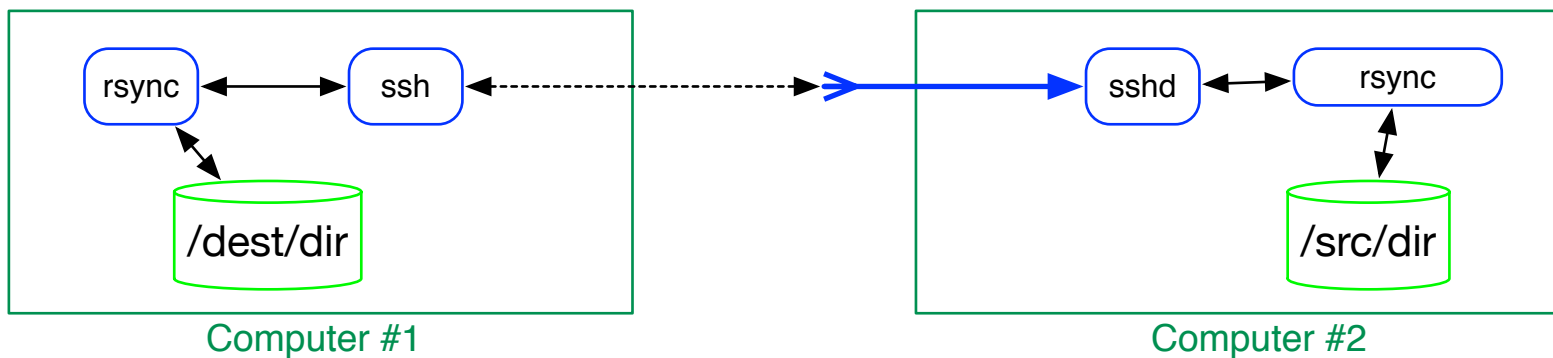


```
sshfs -o sftp-server=/exec/apptainer_sftpd computer2:/BIG /mnt/dir
```

# Standard RSYNC

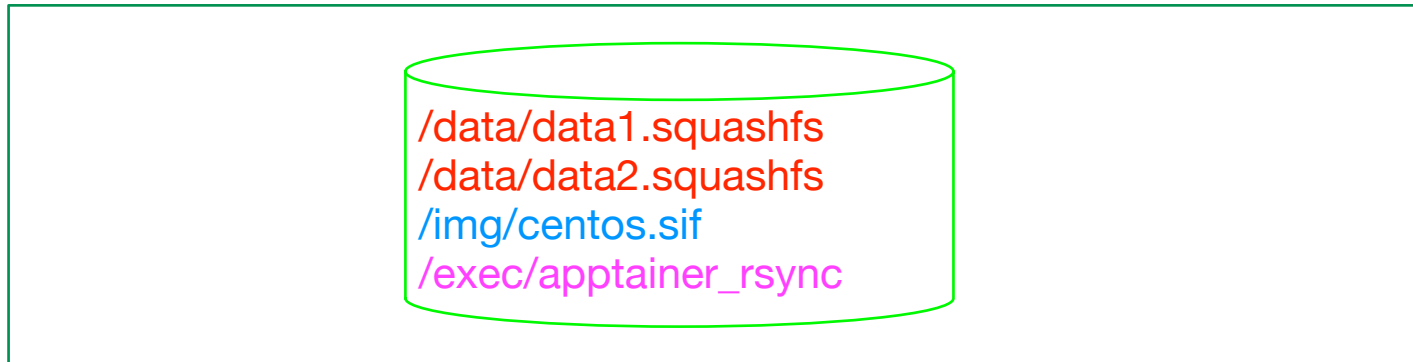


Before the rsync command is started.



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

# RSYNC in SQFS : Prereqs



Computer #2

Note 1: centos.sif contains the rsync system package

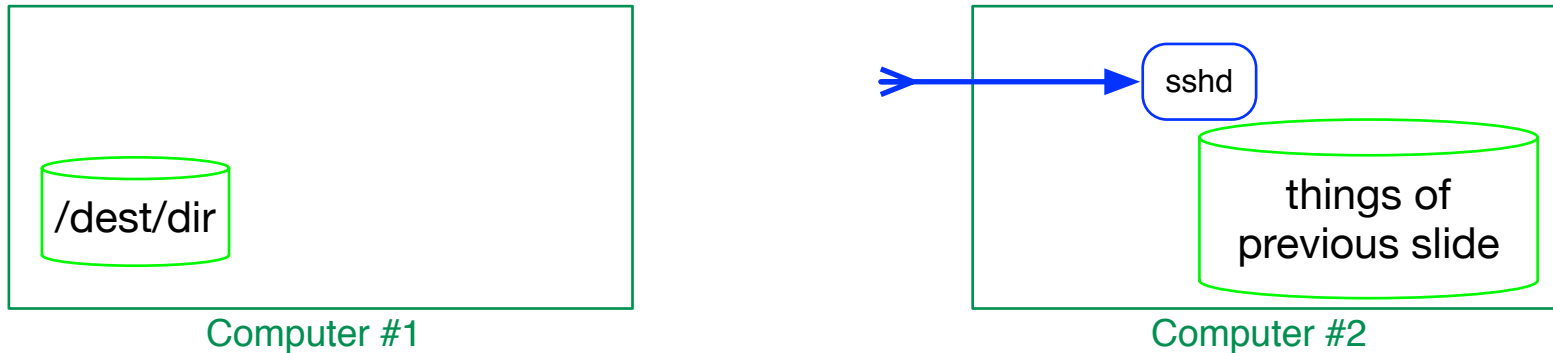
Note 2: squashfs internal data files show up inside container under path **/BIG**

```
#!/bin/bash

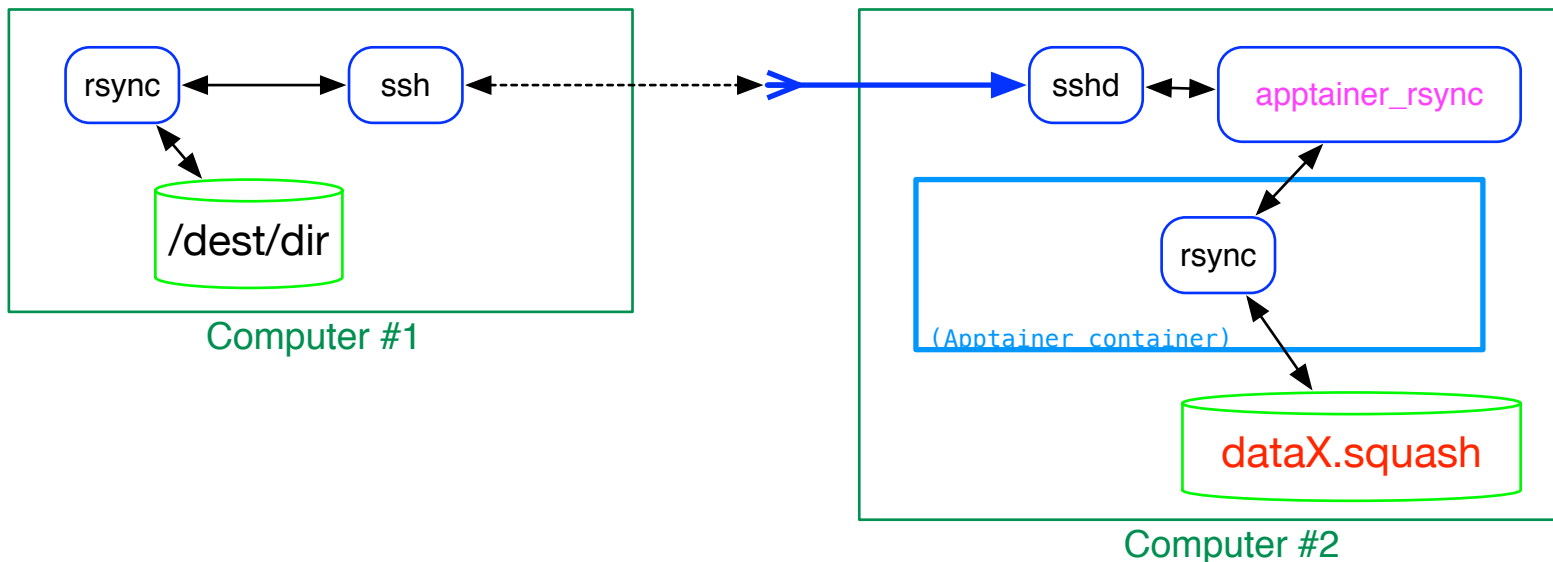
/usr/bin/apptainer -s exec \
  --overlay=/data/data1.squashfs \
  --overlay=/data/data2.squashfs \
  /img/centos.sif \
  rsync
```

Content of script 'apptainer\_rsync' (fake with hardcoded paths)

# RSYNC + APPTAINER\_RSYNC



Before the rsync command is started.



`rsync --rsync-path=/exec/apptainer_rsync computer2:/BIG /dest/dir`