

ssh – special uses for file access

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Transferring files thru ssh

- scp – similar in syntax and operation to cp
- sftp – similar to ftp command line client
- sshfs – similar to mount, full filesystem access

- use port 22 exclusively (beat firewalls)
- encrypt datastreams

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sshfs – remote, encrypted mount

- 2 local ingredients
 - ssh (assume sshd on remote)
 - fuse
 - userspace filesystem framework
 - lets userspace software (ssh) present a virtual filesystem interface
- “yum install fuse-sshfs” gets both

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sshfs – remote, encrypted mount

```
File Edit View Terminal Tabs Help
[root@vmlap ~]# gpasswd -a david fuse
Adding user david to group fuse
[root@vmlap ~]# su david
[david@vmlap root]$ mkdir /home/david/mymountpoint
[david@vmlap root]$ ls /home/david/mymountpoint/
[david@vmlap root]$
[david@vmlap root]$ sshfs dmorgan.us:/home/david /home/david/mymountpoint/
david@dmorgan.us's password:
[david@vmlap root]$
[david@vmlap root]$ tree /home/david
/home/david
|-- client3.c
|-- mymountpoint
|   |-- dhclientprob.txt
|   |-- proceed
|   |-- test.cap
|-- server3.c
-- tree.txt

1 directory, 6 files
[david@vmlap root]$
```

nonroot must belong to fuse group

syntax like “mount” with a remote nfs filesystem
change keyword to “sshfs” from “mount”

these are on remote machine dmorgan.us
- delivered here (encrypted) by sftp
- presented by fuse

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Info

- <http://www.linuxjournal.com/article/8904>

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