

## OpenSSH

Because SSH is amazing.

### Tunneling

```
# Using connect-proxy as a socks proxy (tunneling ssh over http proxy to an
ssh server on port 1.2.3.4:443)
Host 1.2.3.4
  ProxyCommand connect-proxy -H proxy:3128 %h %p
  Port 443
  User shaun

# -W can be used for raw port-forwarding on OpenSSH 5.4 and higher
Host internal.server
  HostName internal.server.com
  User shaun
  ProxyCommand ssh shaun@intermediary.server.com -W %h:%p

# Here's the old way, with netcat
Host internal.server
  HostName internal.server.com
  User shaun
  ProxyCommand ssh shaun@intermediary.server.com nc %h %p

# New to OpenSSH 7.3 and higher is the ProxyJump command, which does the
same, but with multiple possible intermediaries
Host internal.server
  HostName internal.server.com
  ProxyJump shaun@intermediary1.server:22,shaun@intermediary2.server:22
  User shaun
```

## Filesystems

[xfs](#)

[ext4 recovery](#)

### Get detailed memory chip information

```
dmidecode --type 17
```

Sample output:

```
# dmidecode 2.12
SMBIOS 2.7 present.
```

Handle 0x003B, DMI type 17, 34 bytes  
Memory Device  
  Array Handle: 0x002C  
  Error Information Handle: Not Provided  
  Total Width: 72 bits  
  Data Width: 64 bits  
  Size: 32 GB  
  Form Factor: DIMM  
  Set: None  
  Locator: D0  
  Bank Locator: /SYS/MB/P0  
  Type: DDR3  
  Type Detail: Synchronous  
  Speed: 1066 MHz  
  Manufacturer: Samsung  
  Serial Number: 366112E5  
  Asset Tag:  
  Part Number: M393B4G70BM0-YH9  
  Rank: 1  
  Configured Clock Speed: 1066 MHz

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