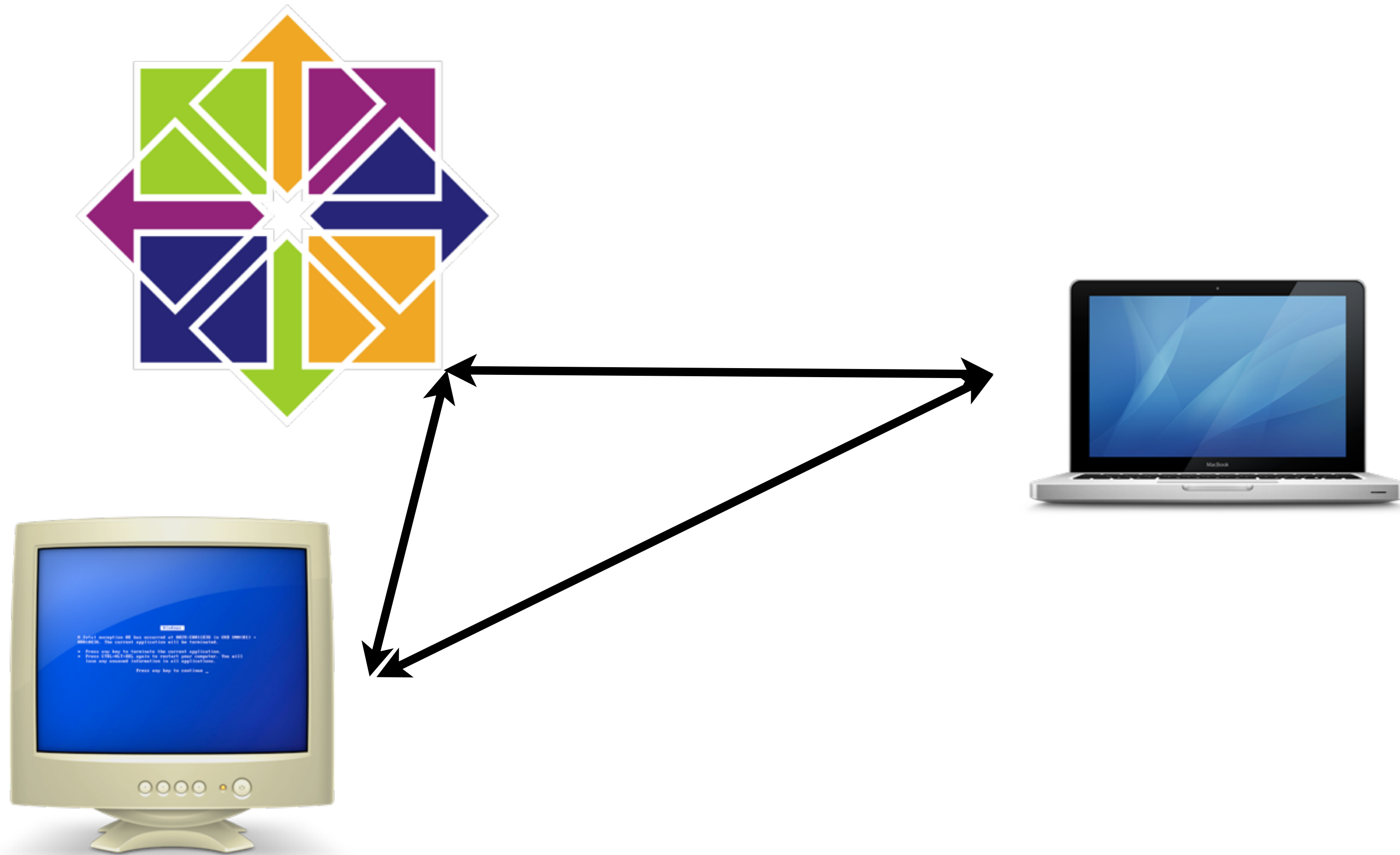




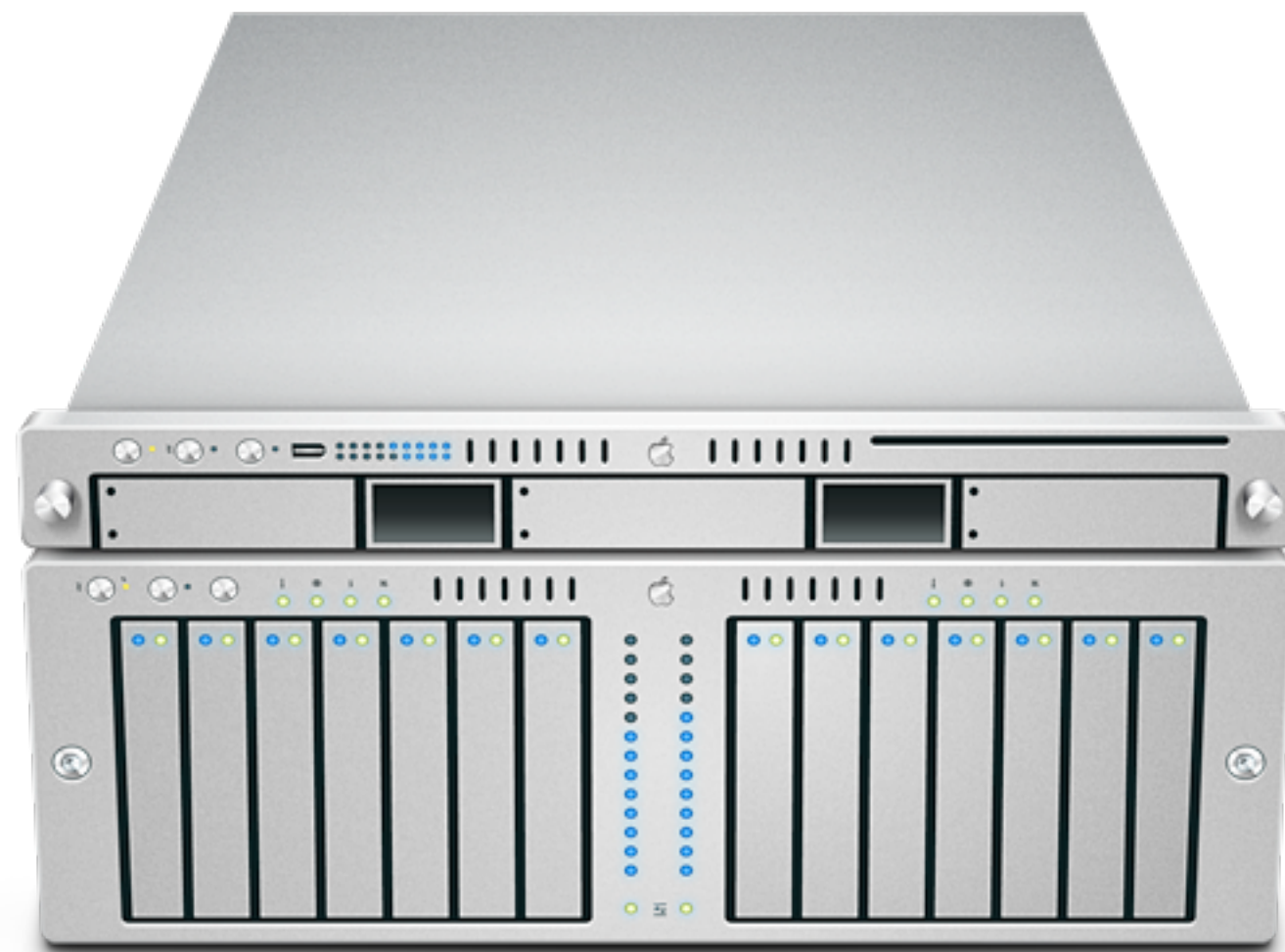
Samba och NFS

Linuxadministration I IDV417

Samba



Samba som filserver



`/etc/samba/smb.conf`

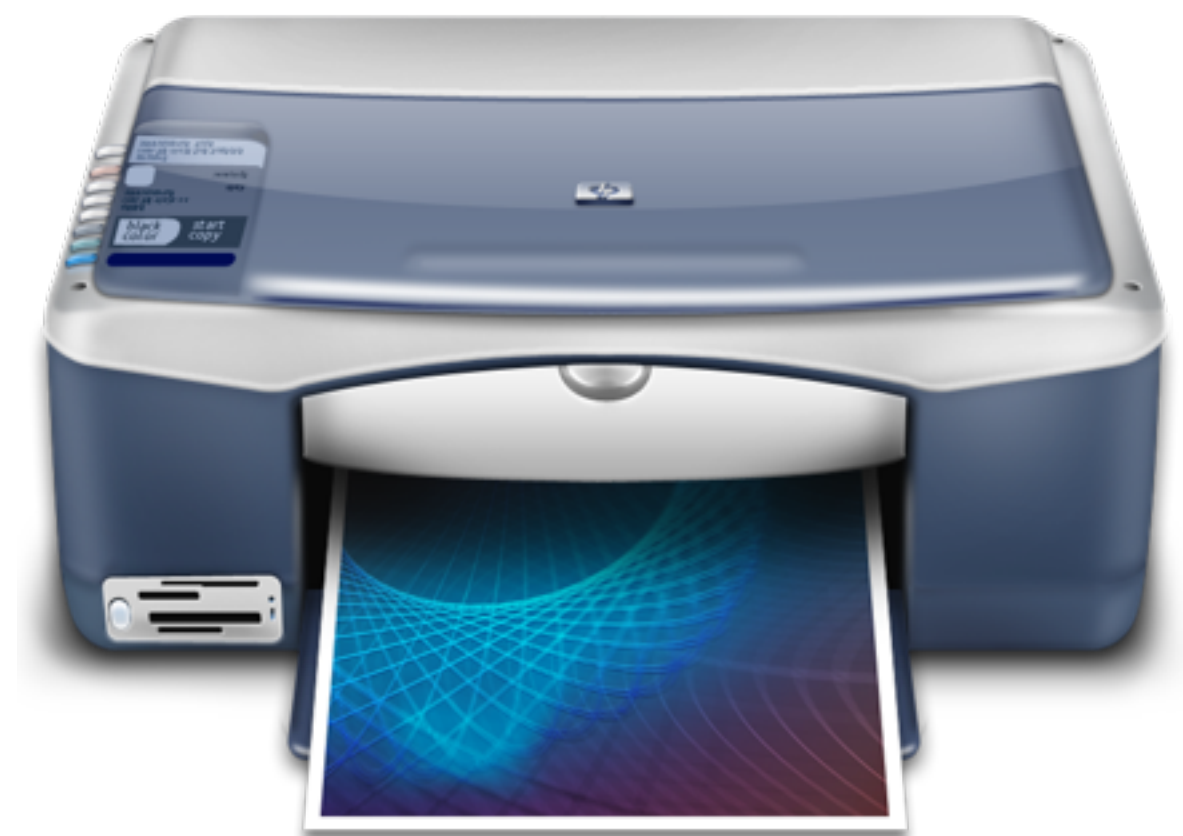
Konfiguration av Samba

- workgroup
- server string
- hosts allow
- [utdelningsnamn]
- path
- comment
- valid users
- browseable
- create mask
- directory mask
- writeable
- write list
- guest ok

```
workgroup = KALMAR
server string = Fileserver running Samba on Linux
hosts allow = 127.10.0.0.
[shared]
path = /shared
comment = shared applications
valid users = kalle olle nisse
browseable = yes
create mask = 0770
directory mask = 0770
writeable = no
write list = kalle olle
guest ok = yes
```


Utdelning av skrivare

```
printcap name = /etc/printcap
load printers = yes
...
[printers]
  comment = All printers
  path = /var/spool/samba
  browseable = no
  guest ok = no
  printable = yes
...
[HPDeskjet5m]
  print command = /usr/bin/lpr -r %s
  printer = HPDeskjet5m
  printing = lprng
  guest ok = yes
  printable = yes
```



Verifisering av smb.conf

```
> testparm
```

```
Load smb config from /etc/samba/smb.conf
```

```
Processing section "[homes]"
```

```
Processing section "[Printers]"
```

```
Loaded services file OK.
```

```
Press enter to see a dump of your service definition
```

```
enter
```

```
...
```

```
[homes]
```

```
comment = Home Directory
```

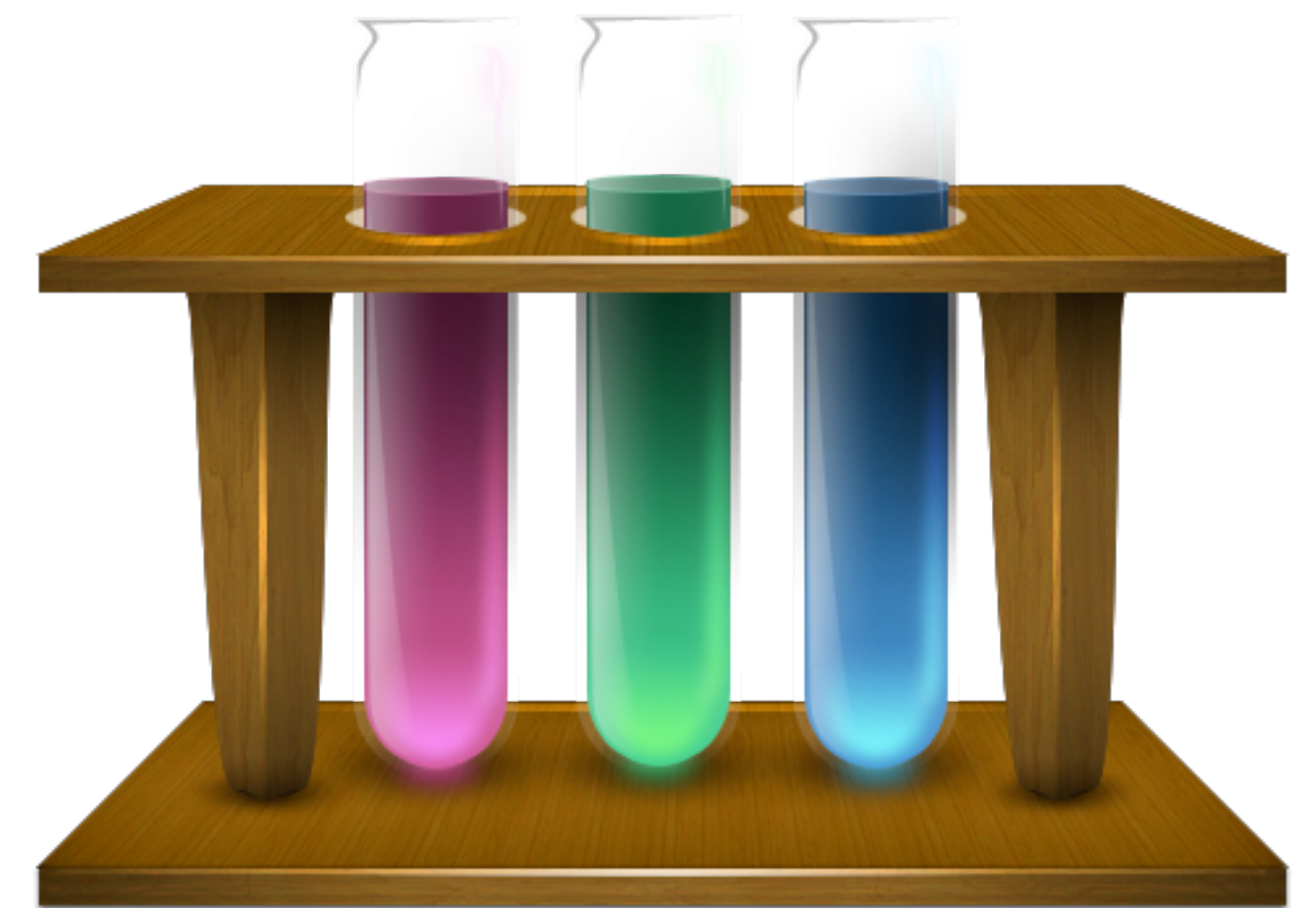
```
valid users = %S
```

```
read only = no
```

```
create mask = 0664
```

```
directory mask = 0775
```

```
...
```



Lösenord i samba


```
root> smbpasswd -a username  
root> vi smb.conf  
  
encrypt passwords = true
```



SWAT

http://localhost:901/status

Samba Web Administration Tool



HOME GLOBALS SHARES PRINTERS WIZARD STATUS VIEW PASSWORD

Server Status

Auto Refresh
Refresh Interval: 30

version: 3.0.26a-3.5.ccj1-1616-CCEL-SL10.3
smbd: running Stop smbd Restart smbd
nmbd: running Stop nmbd Restart nmbd
winbindd: not running Start winbindd Restart winbindd
Stop All Restart All

Active Connections

PID	Client	IP address	Date	Kill
-----	--------	------------	------	------

Active Shares

Share	User	Group	PID	Client	Date
-------	------	-------	-----	--------	------

Open Files

PID	Sharing	R/W	Oplock	File	Date
-----	---------	-----	--------	------	------

Show Client in col 1 Show PID in col 1

Show Client in col 1 Show PID in col 1

Konfiguration av SWAT

/etc/xinetd.conf

```
service swat {  
    port      = 901  
    socket_type = stream  
    wait      = no  
    only_from = localhost  
    user      = root  
    server     = /usr/sbin/swat  
    log_on_failure += USERID  
    disable   = no  
}
```

/etc/services

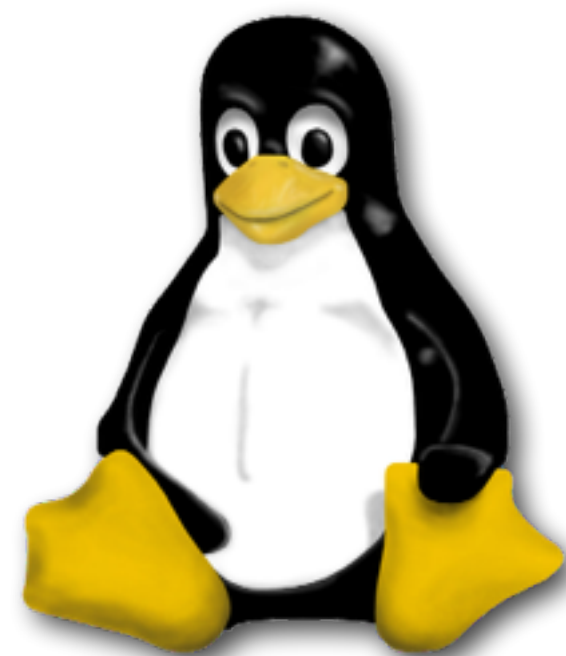
```
swat 901/tcp
```

Klient till samba

My Network Places



smbclient



Grafisk miljö Linux



Finder



```
smbclient //challenger/shared -U olle  
...  
smbclient -L challenger
```


NFS



/etc/exports

```
/shared1    challenger(rw,sync) voyager(ro,sync) 10.0.0.20(ro,sync)
/shared2    challenger(rw,sync) @te(ro,sync)
/programs   server*.kalmar.se(rw,sync) client?.kalmar.se(ro,sync) 10.0.0.0/8(ro,sync)
```


Exporteringsalternativ

sync/async

wdelay/no_wdelay

secure/insecure

ro/rw

Exporteringsalternativ

noaccess

root_squash

all_squash

anonuid/anongid

Exempel på exporteringar

```
/shared          10.0.0.0/8(rw,sync)
/shared/students 10.0.0.0/8(noaccess)
/apps            10.0.0.0/8(root_squash,ro,anonuid=100,anongid=100)
```

```
exportfs -a
```

```
/etc/init.d/nfs start/stop/restart
```

NFS och säkerhet

root_squash / all_squash

NFS-klienter

fstab

```
challenger:/program /home/program nfs user,ro,soft,bg 0 0
```

manuellt

```
mount -t nfs challenger:/program /home/program
```

Exporterade kataloger på servern

```
showmount -e 192.168.0.1  
Export list for 192.168.0.1:  
/home/misc 192.168.0.0/24;  
/home/program  
192.168.0.0/24;
```