



# NIS

Linuxadministration I | DV417

NIS / NIS+



# Gemensam information

/etc/passwd

/etc/group

/etc/hosts

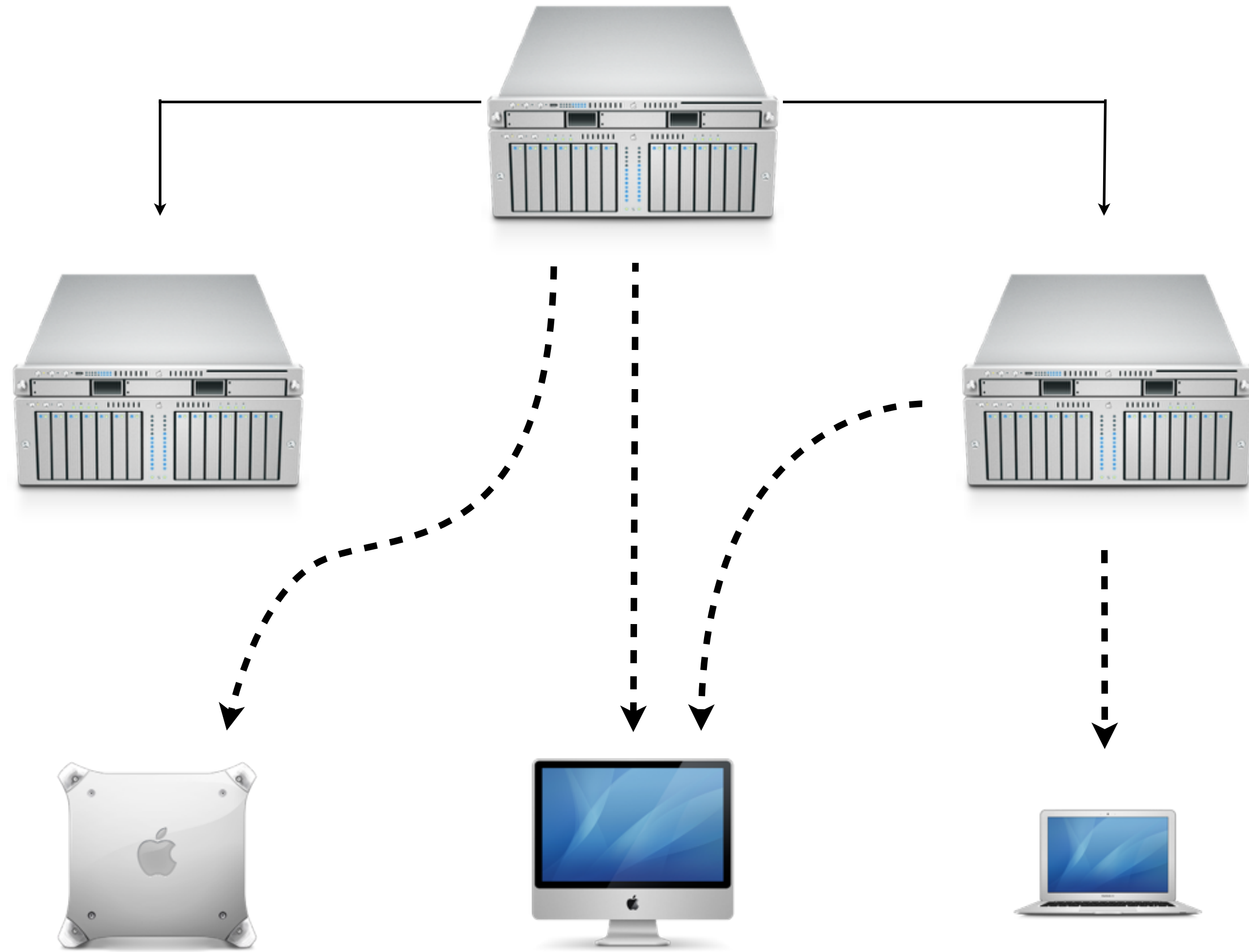
## Paket

yp-tools

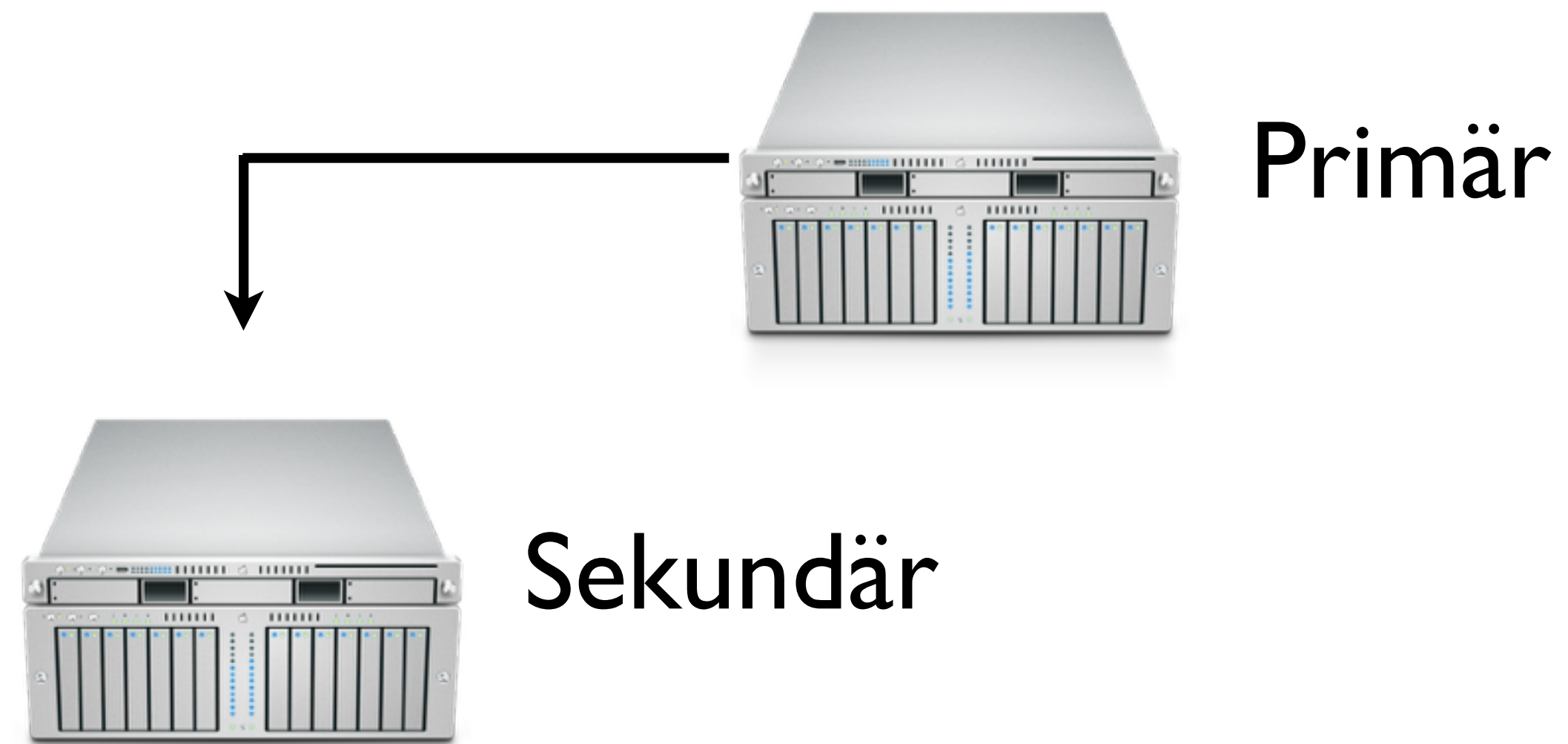
ypserv

ypbind

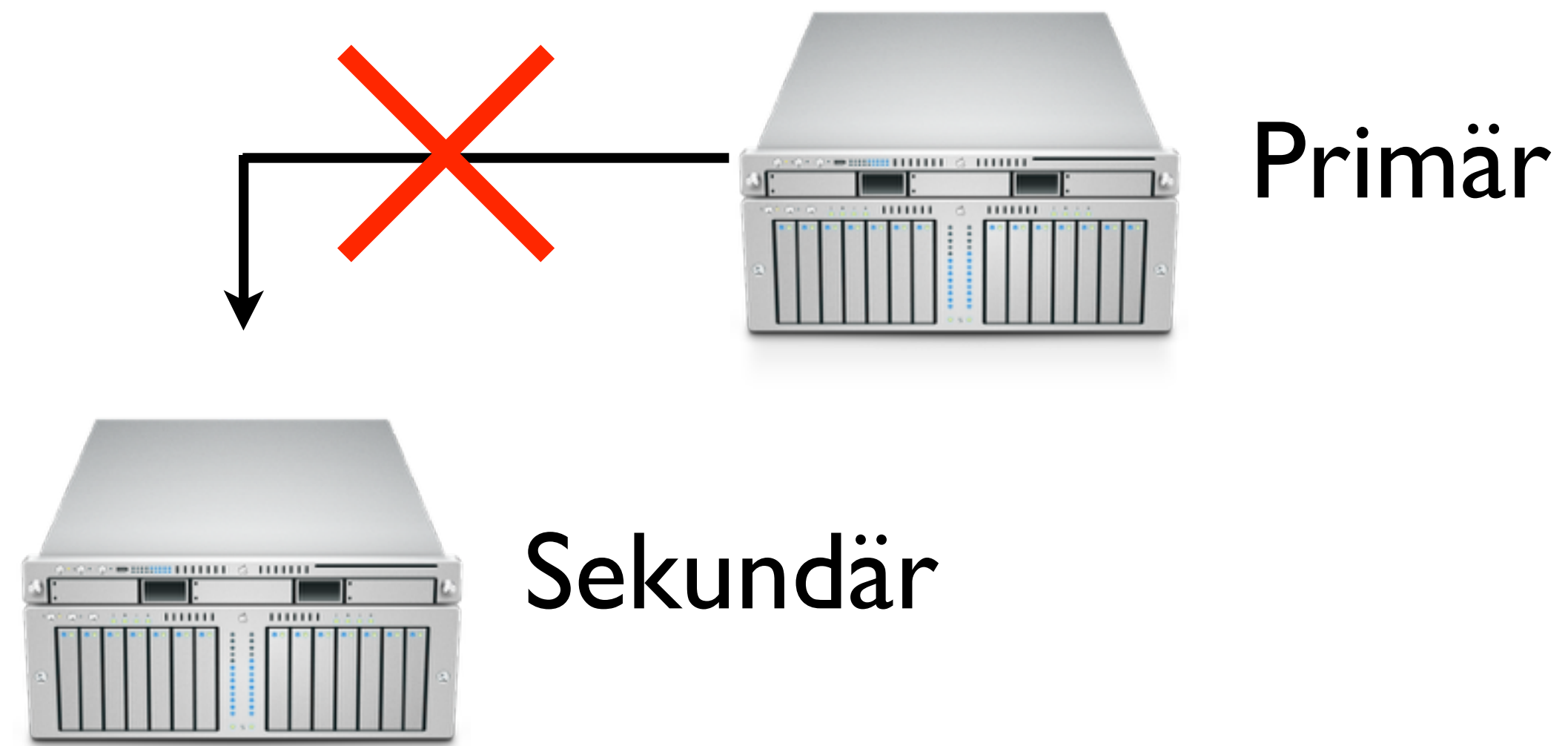
# Uppbyggnad



# Primär / sekundär server



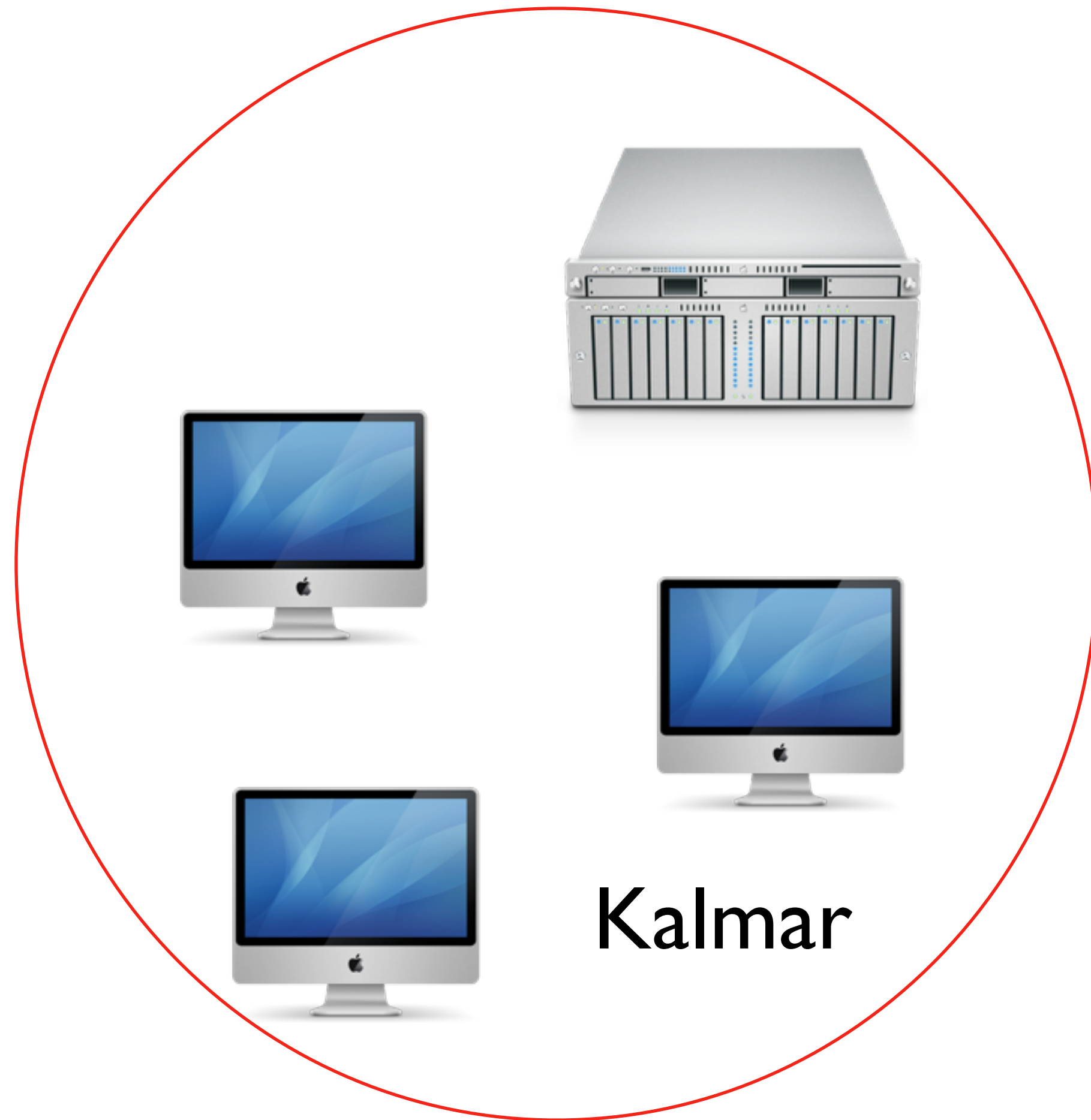
ypxfr



# ypxfr forts.

```
0 * * * * /usr/lib64/yp/ypxfr_1perhour
0 0,12 * * * /usr/lib64/yp/ypxfr_2perday
0 0 * * * /usr/lib64/yp/ypxfr_1perday
```

# NIS-domän





maps



# maps forts.

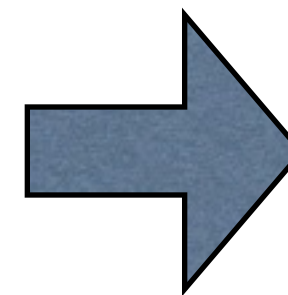
passwd



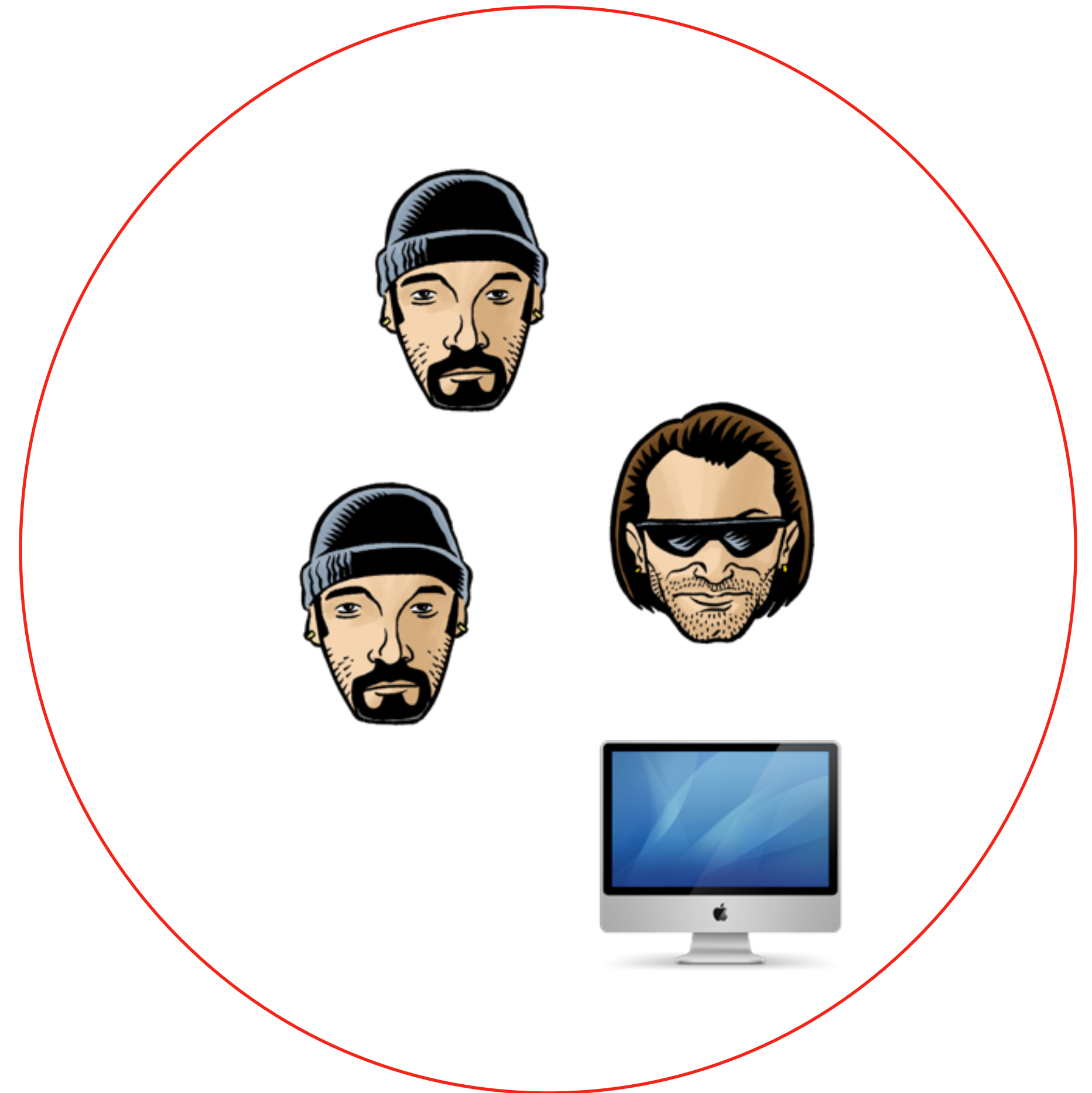
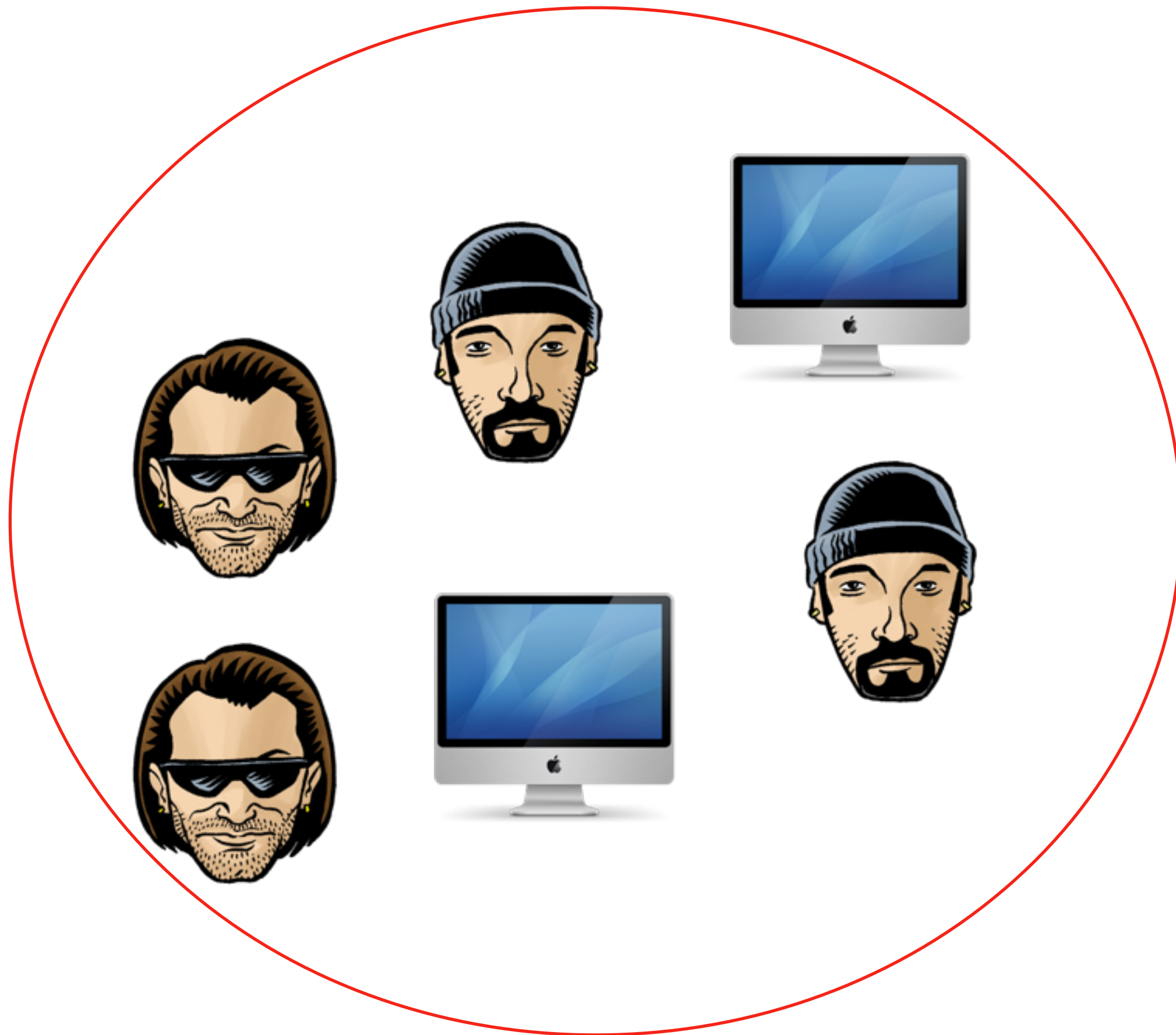
passwd.byname



passwd.byuid



# netgroups



# Medlemmer i netgroups

*/etc/netgroup*

```
students (server1,kalle,KALMAR)  
teachers (server1,nisse henrik pelle,KALMAR)  
machines (server1,-,KALMAR)  
  
everyone (challenger,,)
```

# Konfiguration



Serverkonfiguration  
Klientkonfiguration



# Serverkonfiguration



rpcbind  
ypserv  
ypxfrd

nis

# Serverkonfiguration forts.

`/etc/sysconfig/network`

`ypdomainname`

`/etc/hosts`

`/var/yp/securenets`

# Serverkonfiguration forts.

## Starta tjänsten

```
/etc/init.d/ypserv start
```

## Verifiering

```
rpcinfo -u localhost ypserv  
Program 100004 version 1 ready and waiting  
Program 100005 version 2 ready and waiting
```



# ypinit

```
/usr/lib64/yp/ypinit -m  
/usr/lib64/yp/ypinit -s 10.0.0.1
```

# ypinit forts.

```
/usr/lib64/yp/ypinit -m  
/usr/lib64/yp/ypinit -s 10.0.0.1
```

```
ypcat -d <NISDOMAIN> -h <servername> passwd
```

# Konfigurera en sekundär NIS-server

`/etc/sysconfig/network`

`/etc/hosts`

```
/usr/lib64/yp/ypinit -s <master server>
```

# Säkerhetsaspekter

*/var/yp/securenets*

```
host 10.0.0.1  
255.0.0.0 10.0.0.0
```

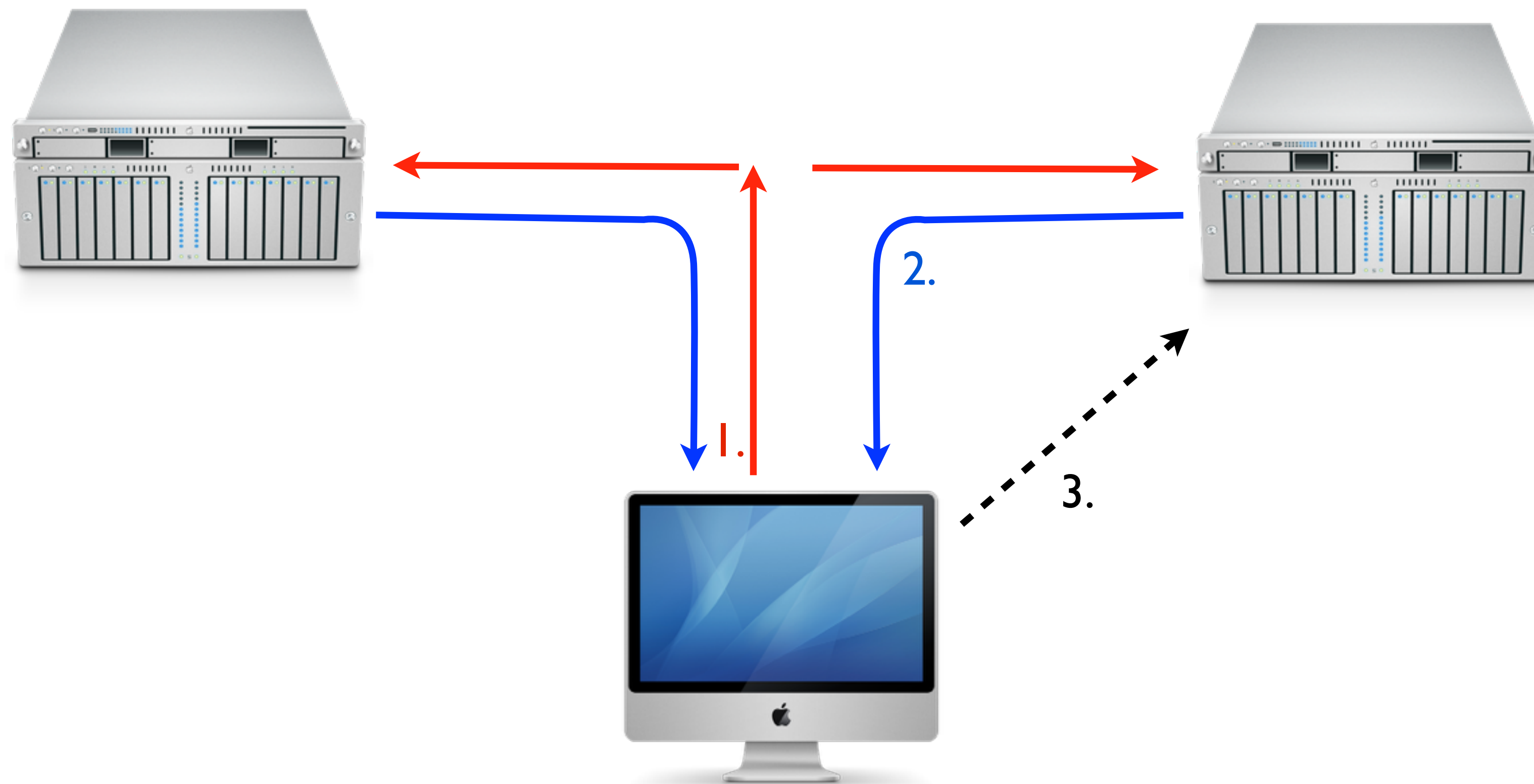
# Arbeta med maps

```
make -C /var/yp
```

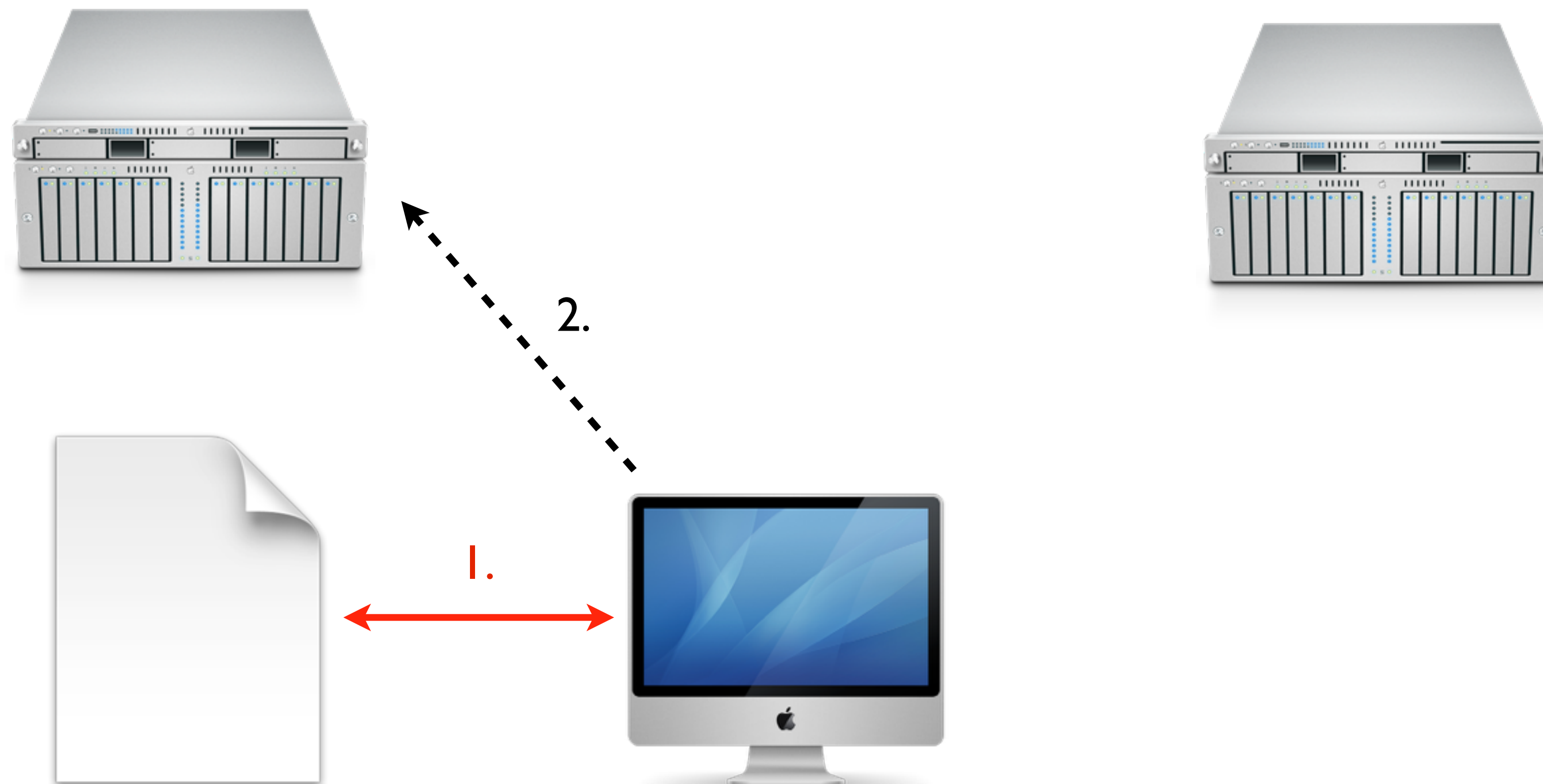
**`/var/yp/Makefile`**

```
...  
NOPUSH=false  
...
```

# Klienter



# Klienter forts.

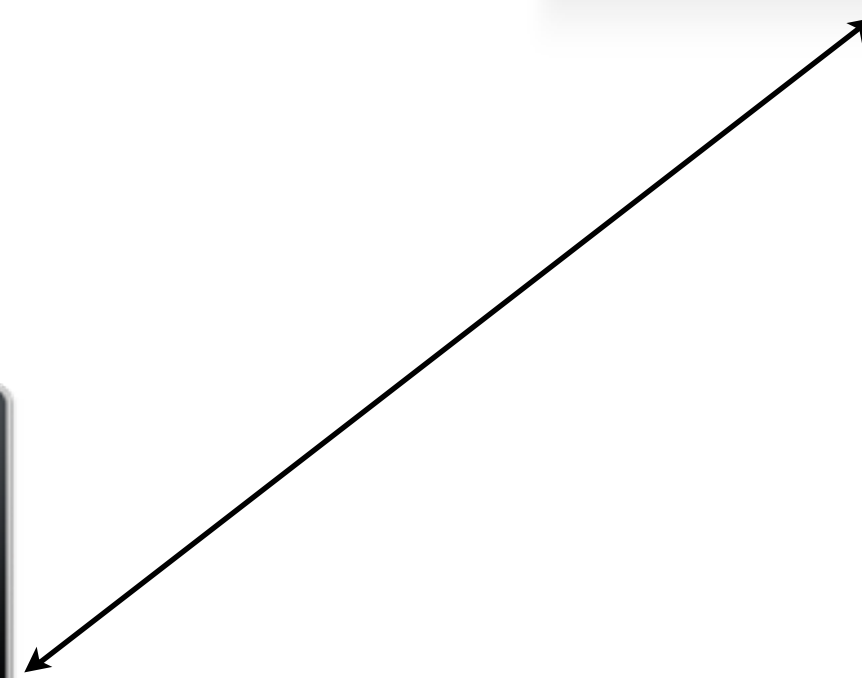
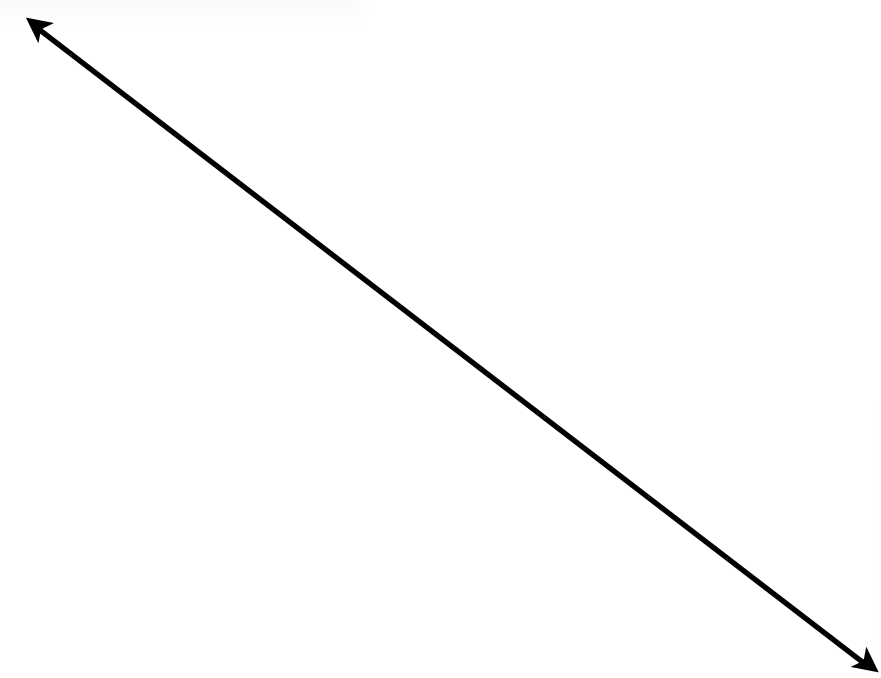


# Klienter forts

master



slave





# Klientkonfiguration



# `/etc/sysconfig/authconfig`

```
USENIS=yes
```

# /etc/yp.conf

```
domain KALMAR server 10.0.0.1  
domain KALMAR broadcast  
ypserver 10.0.0.1
```

# /etc/nsswitch.conf

```
passwd:      files
group:       files nis
shadow:      files nis

hosts:       files dns
networks:    files

protocols:   db files
services:    db files
ethers:      db files
rpc:         db files

netgroup:    nis
```

# Skapa hemkataloger automatiskt

- Lägg till följande i `/etc/pam.d/system-auth`

```
session optional pam_mkhome.so skel=/etc/skel umask=077
```

yppasswd

Kräver yppasswdd

yppasswd kalle