

Restrictions, mynetwork, myhostname:

1. mynetworks=
2. myhostname=

3. smtpd_helo_required=yes

4. smtpd_client_restrictions=
5. smtpd_helo_restrictions=
6. smtpd_sender_restrictions=
7. smtpd_recipient_restrictions=
8. smtpd_relay_restrictions=
9. smtpd_data_restrictions=
10. smtpd_end_of_data_restrictions=
11. smtpd_etrn_restrictions=

Rejections:

1. permit_mynetworks
2. reject_unknown_client
3. reject_unknown_client_hostname
4. reject_unknown_reverse_client_hostname
5. reject_unknown_helo_hostname
6. reject_invalid_hostname
7. reject_unknown_hostname
8. reject_non_fqdn_hostname
9. reject_unknown_sender_domain
10. reject_non_fqdn_sender
11. reject_unauth_destination
12. reject_non_fqdn_recipient
13. reject_unknown_recipient_domain
14. reject_unauth_pipelining
15. check_policy_service

1. client
2. sender
3. recipient
4. relay

1. smtpd_client_restrictions
2. smtpd_sender_restrictions
3. smtpd_recipient_restrictions
4. smtpd_relay_restrictions

unknown:

1. reject_unknown_client
2. reject_unknown_client_hostname
3. reject_unknown_reverse_client_hostname
4. reject_unknown_helo_hostname
5. reject_unknown_hostname
6. reject_unknown_sender_domain
7. reject_unknown_recipient_domain

non_fqdn:

1. reject_non_fqdn_hostname
2. reject_non_fqdn_sender
3. reject_non_fqdn_recipient

unauth:

1. reject_unauth_destination

2. reject_unauht_pipelining

invalid:

1. reject_invalid_hostname

hostname:

1. reject_unknown_client_hostname
2. reject_unknown_reverse_client_hostname
3. reject_unknown_helo_hostname
4. reject_invalid_hostname
5. reject_unknown_hostname
6. reject_non_fqdn_hostname

client:

1. reject_unknown_client
2. reject_unknown_client_hostname
3. reject_unknown_reverse_client_hostname

sender:

1. reject_unknown_sender_domain
2. reject_non_fqdn_sender

recipient:

1. reject_non_fqdn_recipient
2. reject_unknown_recipient_domain

Daneben gibt es:

1. client
2. client_hostname
3. reverse_client_hostname
4. helo_hostname
5. sender
6. sender_domain
7. destination
8. recipient
9. recipient_domain

Return-Path:
Received:
From:
To:
Subject:
Date:
Message-ID:
User-Agent:
MIME-Version:
Content-Transfer-Encoding:
Content-Type:
X-Assp-...:

Delivered-To:
X-Original-To:
Reply-To:
X-Priority:
Importance:

1 dovecot

- /etc/dovecot.conf
- /etc/dovecot/conf.d/10-auth.conf
- /etc/dovecot/conf.d/10-director.conf
- /etc/dovecot/conf.d/10-logging.conf
- /etc/dovecot/conf.d/10-mail.conf
- /etc/dovecot/conf.d/10-master.conf
- /etc/dovecot/conf.d/10-ssl.conf
- /etc/dovecot/conf.d/10-tcpwrapper.conf
- /etc/dovecot/conf.d/15-lda.conf
- /etc/dovecot/conf.d/15-mailboxes.conf
- /etc/dovecot/conf.d/20-imap.conf
- /etc/dovecot/conf.d/20-pop3.conf
- /etc/dovecot/conf.d/90-acl.conf
- /etc/dovecot/conf.d/90-plugin.conf

- /etc/dovecot/conf.d/90-quota.conf
- /etc/dovecot/conf.d/auth-checkpassword.conf.ext
- /etc/dovecot/conf.d/auth-deny.conf.ext
- /etc/dovecot/conf.d/auth-dict.conf.ext
- /etc/dovecot/conf.d/auth-master.conf.ext
- /etc/dovecot/conf.d/auth-passwdfile.conf.ext
- /etc/dovecot/conf.d/auth-sql.conf.ext
- /etc/dovecot/conf.d/auth-static.conf.ext
- /etc/dovecot/conf.d/auth-system.conf.ext
- /etc/dovecot/conf.d/auth-vpopmail.conf.ext

2 drbd

```
# cat drbd-demo.res
resource r0 {
  meta-disk internal;
  device /dev/drbd1;
  syncer {
    verify-alg sha1;
  }
  net {
    allow-two-primaries;
  }
  on ituenix {
    disk /dev/loop1;
    address 192.168.178.26:1111;
  }
  on 3.ituenix.de {
    disk /dev/loop1;
    address 192.168.178.28:1111;
  }
}

# apt-get install drbd8-utils
# apt-get install xfsprogs

# dd if=/dev/zero of=nextcloudrbd.img bs=1024k count=1024
# losetup /dev/loop1 nextcloudrbd.img
```

```
# kate /etc/drbd.d/nextclouddrbd.res
```

```
Node1:
```

```
# modprobe drbd
# drbdadm up r0
# cat /proc/drbd
```

```
Node2:
```

```
# modprobe drbd
# drbdadm up r0
# drbdadm -- --overwrite-data-of-peer primary r0
# cat /proc/drbd
```

3 heartbeat

```
/etc/ha.d/authkeys
/etc/ha.d/ha.cf
/etc/ha.d/haresources
```

```
auth 1
1 md5 geTch123 # oder md5-hash
# 1 crc # keine sicherheit
# 2 sha1 HI! # oder ein gemeinsamer sha1-hash
```

```
node ituenix ituenix2
```

```
ucast eth0 192.168.178.37 # wird auto. von client1 ignoriert
ucast eth0 192.168.178.26 # wird auto. von client2 ignoriert
```

```
auto_failback off # verhindert das auto. rckschalten auf den primary node, wenn dieser w
```

```
ping 37.24.242.146 # gemeinsame ip der nodes
```

```
debugfile /var/log/ha-debug
logfile /var/log/ha-log
```

```
deadtime 10 # sekunden bis ein node als tot eklrt wird
```

```
ituenix 192.168.178.37  apache2
```

4 packages

```
postfix
dovecot-core
dovecot-imapd
dovecot-pop3d
apache2
libapache2-mod-php
mariadb-server
php
php7.0
php-mysql
php-intl
php7.0-intl
php-gd
php-mbstring
php-curl
php-zip
php-xml
php-cli
php-cgi
```

5 LVM

```
apt-get install lvm2
```

das betrifft jetzt nur das anlegen der Partitionen

```
dd if=/dev/zero of=lvm2a.img bs=1024 count=2048k
dd if=/dev/zero of=lvm2b.img bs=1024 count=2048k
dd if=/dev/zero of=lvm2c.img bs=1024 count=2048k
dd if=/dev/zero of=lvm2d.img bs=1024 count=2048k
losetup /dev/loop1 lvm2a.img
losetup /dev/loop2 lvm2b.img
losetup /dev/loop3 lvm2c.img
losetup /dev/loop4 lvm2d.img
```

jetzt geht es weiter:

```
pvcreate /dev/loop1 /dev/loop2 /dev/loop3 /dev/loop4
vgcreate fileserver /dev/loop1 /dev/loop2 /dev/loop3 /dev/loop4
lvcreate -L 2G -n VOL fileserver
```


Jetzt ist das Ganze erreichbar unter:

```
# /dev/fileserver/VOL
```

Und ich gebe ein:

```
sudo mkfs.ext4 /dev/fileserver/VOL
```

Das ganze noch mounten

```
mkdir /media/lvm2
```

```
mount /media/lvm2 /dev/fileserver/VOL
```