# 邮件服务器文档

## 一、安装包源

清华源https://mirrors.tuna.tsinghua.edu.cn/help/centos/ 此网站上复制centos6

epel源yum install -y epel-release

安装nfs存储

yum install nfs-utils rpcbind –y

安装pam-ldap和php-ldap 支持pamldap验证

yum install -y php-ldap pam\_ldap nss-pam-ldapd compat-openldap

yum install -y openldap openldap-servers openldap-clients pamldap-devel

yum install postfix postfix-perl dovecot dovecot-ldap dovecot-devel spamassassin clamav amavisd-new perl

yum install heartbeat

## 二、存储nfs方式

yum **install** nfs-utils rpcbind -y

### 1、修改exports文件

vim /etc**/**exports

/mailfile 192.168.\*.\*(rw,no\_root\_squash)

被挂载目录/mailfile 允许192.168.0.0网段的主机挂载 挂载方式读写 root\_squash为挂载后有root的权限,为安全挂载为no\_root\_squash

### 2、邮件服务器挂载目录

vim /**etc**/fstab

192.168.12.194:/mailfile /home nfs timeo=14,intr 0 0

将目录修改权限为777 否则测试时会报错且无法创建邮件目录

## 三、openLDAP服务配置

### 1、修改ldap.conf

vim /etc/openldap/ldap.conf

BASE dc=gnetis,dc=com

URI ldap://127.0.0.1/

TLS\_CACERTDIR /etc/openldap/cacerts

cd /etc/openldap/



### 2、添加文件

cd /etc/openldap/schema



### 3、配置在bdb配置结构和管理员密码

vim /etc/openldap/slapd.d/cn\=config/olcDatabase\=\{1\}monitor.ldif

修改第7行 cn=Manager,dc=gnetis,dc=com

vim /etc/openldap/slapd.d/cn=config/olcDatabase={2}bdb.ldif

修改第13行olcRootDN: cn=Manager,dc=gnetis,dc=com

新增第14行olcRootPW: {SSHA}+AJXuhzy7o9t2VkBEkSDdzkao5SB8Q5P

### 4、生成配置文件

slaptest -v -f /etc/openldap/slapd.conf -F /etc/openldap/slapd.d/

slaptest –u

server slapd restart

5、添加用户



执行命令添加

ldapadd -x -D "cn=Manager,dc=gnetis,dc=com" -W -f /root/gnetis.ldif

6、安装phpldapadmin

yum install phpldapadmin

配置

vim /etc/phpldapadmin/config.php



service httpd restart

<http://127.0.0.1/phpldapadmin> 访问

## 四、邮件服务器配置

useradd clamav

useradd amavis

usermod -G amavis clamav

### 1、配置clamav

**vim /etc/freshclam.conf**

DatabaseDirectory /var/lib/clamav

UpdateLogFile /var/log/clamav/freshclam.log

LogSyslog yes

DatabaseOwner clam

DatabaseMirror db.CN.clamav.net

DatabaseMirror db.local.clamav.net

Checks 24

NotifyClamd /etc/clamd.conf

**vim /etc/clamd.conf**

LogFile /var/log/clamav/clamd.log

LogFileUnlock yes

LogFileMaxSize 5M

LogTime yes

LogClean yes

LogVerbose yes

LogRotate yes

PidFile /var/run/clamav/clamd.pid

DatabaseDirectory /usr/local/share/clamav

LocalSocket /var/run/clamav/clamd.sock

TCPSocket 3310

StreamMaxLength 10M

User amavis

ScanPE yes

ScanELF yes

ScanOLE2 yes

ScanPDF yes

ScanSWF yes

ScanMail yes

ScanPartialMessages yes

PhishingSignatures yes

PhishingScanURLs yes

ScanHTML yes

ScanArchive yes

MaxScanSize 150M

MaxFileSize 30M

**更新病毒库:**

freshclam –v

### 2、配置amavisd

mkdir /var/spool/amavisd

mkdir /var/virusmails

vim /etc/amavisd/amavisd.conf

$max\_servers = 200

$mydomain = 'quanshi.com';

$MYHOME = '/var/spool/amavisd';

$QUARANTINEDIR = '/var/virusmails';

**注释：**

# $db\_home = "$MYHOME/db";

# $lock\_file = "$MYHOME/var/amavisd.lock";

# $pid\_file = "$MYHOME/var/amavisd.pid";

**在@mynetworks = qw中添加：**

10.0.0.0/8 172.16.0.0/12 192.168.0.0/16 203.174.107.0/24 203.174.109.0/24 203.174.98.0/24 172.31.64.0/24

**注释和取消注释：**

#$inet\_socket\_port = 10024;

$inet\_socket\_port = [10024,10026];

**修改：**

virus\_admin\_maps => ["yufei.chen \@$mydomain"],

spam\_admin\_maps => ["yufei.chen \@$mydomain"],

$sa\_tag\_level\_deflt = 14;

$sa\_tag2\_level\_deflt = 10;

$sa\_kill\_level\_deflt = 14;

$sa\_crediblefrom\_dsn\_cutoff\_level = 13;

$virus\_admin = "yufei.chen\@$mydomain";

$mailfrom\_notify\_admin = " yufei.chen \@$mydomain";

$mailfrom\_notify\_recip = " yufei.chen \@$mydomain";

$mailfrom\_notify\_spamadmin="spam.police\@$mydomain";

$defang\_by\_ccat{CC\_BADH.",3"} = 0;

$notify\_method = 'smtp:[127.0.0.1]:10025';

$forward\_method = 'smtp:[127.0.0.1]:10025';

$final\_virus\_destiny = D\_REJECT;

$final\_banned\_destiny = D\_REJECT;

$final\_spam\_destiny = D\_DISCARD;

$final\_bad\_header\_destiny = D\_PASS;

qr'.\.(exe|vbs|pif|scr|cpl|bat|cmd|com)$'i,

qr'.\.(ade|adp|app|bas|bat|chm|cmd|com|cpl|crt|emf|exe|fxp|grp|hlp|hta| inf|ini|ins|isp|js|jse|lib|lnk|mda|mdb|mde|mdt|mdw|mdz|msc|msi| msp|mst|ocx|ops|pcd|pif|prg|reg|scr|sct|shb|shs|sys|vb|vbe|vbs|vxd| wmf|wsc|wsf|wsh)$'ix, qr'.\.(asd|asf|asx|url|vcs|wmd|wmz)$'i, qr'.\.(ani|cur|ico)$'i, qr'^\.ani$', qr'.\.(mim|b64|bhx|hqx|xxe|uu|uue)$'i,

**取消注释：**

['doc', \&do\_ole, 'ripole'],

['tnef', \&do\_tnef\_ext, 'tnef'],

['ClamAV-clamd',

\&ask\_daemon, ["CONTSCAN {}\n", "/var/run/clamav/clamd.sock"],

qr/\bOK$/m, qr/\bFOUND$/m,

qr/^.\*?: (?!Infected Archive)(.\*) FOUND$/m ],

### 3、配置spamassassin

cd /etc/mail/spamassassin/



### 4、配置postfix

vim /etc/postfix/main.cf



vim /etc/postfix/master.cf



vim /etc/postfix/access



vim body\_checks

/=E2=9D=A4/ REJECT

/@rambler.ru/ REJECT

/Copyright =C2=A9 Canadian/ REJECT

vim bounce.cf.default



vim drop\_domain

ashuai1314@126.com REJECT

vim dspam\_header\_checks



vim ldap\_alias

server\_host = 192.168.12.93

search\_base = dc=users,dc=gnetis,dc=com

ldapaliases\_scope = one

query\_filter = (&(mailaliasname=%s))

result\_attribute = uid

vim ldap\_aliasgroup

server\_host = 192.168.12.93

search\_base = ou=MailGroup,dc=gnetis,dc=com

ldapaliases\_scope = one

query\_filter = (&(mailaliasname=%s))

result\_attribute = mail

vim ldap-mailbox.cf

server\_host = 192.168.12.93

search\_base = dc=users,dc=gnetis,dc=com

ldapaliases\_scope = one

query\_filter = (&(homeDirectory=%s))

result\_attribute = uid

vim ldap-mailgroup.cf

server\_host = 192.168.12.93

search\_base = ou=MailGroup,dc=gnetis,dc=com

ldapaliases\_scope = one

query\_filter = (&(mailaliasname=%s))

result\_attribute = mail

vim ldap-user.cf

server\_host = 192.168.12.93

search\_base = dc=users,dc=gnetis,dc=com

ldapaliases\_scope = one

query\_filter = (&(uid=%s))

result\_attribute = uid

vim my\_generic\_maps

@quanshi.com @gnetis.com

@gnetis.com @quanshi.com

@seegle.com @quanshi.com

vim mynetworks



vim postfix-install



vim postfix-script



vim privkey.pem

-----BEGIN PRIVATE KEY-----

MIIEvQIBADANBgkqhkiG9w0BAQEFAASCBKcwggSjAgEAAoIBAQDbSa+vnK8Meqx0

NC5orynL3NgtE8wnUDE3pgHLkgLiqhYBXHq8Kw1IGdHBoXkJ/Y9aS09MfK07CbO8

CGpIlAFTLmXxvAZ2wd+rkx8lO60vEX8p7aoCUlXKqbqoPt79UJ+6BMaec55Kpu4l

9XHepDPrffz6tPZ4dU3EfiOgLFORC6XTkoZdfFKkM8JD0AdsrOxbOQO2MFmgAxqR

IrFeQBOBA6Xg41gF1r/MOTQpvPbhXrCZAU46hThmBF8HjuTqX5c9mP+Br/8QFkaq

frsWOcToKnEegzPIgiWst1Vijuyhapd7TkrLaZ45/OZPx7CqA9vXBI9KJk0F3TnW

iwb5IqYJAgMBAAECggEAPTZGemjsXDlqJk3inoo2ypdtKLgcBuVVt8j5O1AYyhjc

Z6jfAeOqo3PBn6FpXiaPe48GJb2vxYkhyN04feYCsKuE/YOU8lWQEB7TVNthrn/d

1WBoUpmVJStX1Vsnd+Knk499ugFgMEqEs8fd7146uAPFOF6HZnyoJq9nVnDJKvVm

1Wbjv7yyGWy+jKEXrJH2W1h8dFTFXLR3hlYAWNdbwJut0725QRY2YX6t3TMt65HX

e0fGRKB5g7MJ9J+O32drxebvrDFEGTtkL8NbD0GLIc1YkvT26b7M6p/aNqxEm5oK

L7E4wbMJSB+6hz+Rs3TS3Hi/uaSn9W+bfYLChoEj2QKBgQD9J4PHYu9UfjV9cmR0

i3hRAGG7c6NF/z3+B2Qj9fMvo/DYyx98595mNxHpcVaOEa146UnKwnF0VbFzBN9+

DkCjJn6tTiZ4Vky4IHIHahqB7Lp3yb6w+vxbj0/J1UdfvK9WN7GhqzOyQTcoLhNx

Bcp016JSuGeNpbITn3T91L92kwKBgQDdwLdTVKnn7L9TYVYE7sjQkYQw0rl/MMuL

m8ZZ7Uzakn7FJQ1rsC7uwlaSSRuck81/fHRZrambpcvjT6g3UuxHq3tNmHlt8zJL

ITACpN1uF4CCWlDJA1ii/yOxL/2zr4vnQrmCYORosewh1jiPMfHVldlZDg83d8vB

as2aoWlWcwKBgCBT2HcwwiFHEKuZXQyo9s9ZPiHC7Zm1s4PqC7av5MMzq0D0B2xa

68Kfy7DE4Wm5Bi8Hk33KANT7UHLAr42YYlazRr/4197MHnXw5r7dpM7snQ9I+wn8

sxc6INVEYB3wqW9YI13iz/I2c8W0xJTNSYJMOxVXKRoki64H0dfMQDrzAoGACsbf

4fPeYgAWeEXluU2lgsVfqEPFchH8AmfqptoqfwDZmlknotEoJsBZFrjo154zQXvZ

57XR5VeUZhKr+SxVgVIrJuU/GYHVMuOFAsviWwRXYX5kKLC58Qn3QRg0+zOP2Ahd

HaH518C12hsgGo1x1FB5BKPzR13SEC9RmK85gFMCgYEAo69J2T8wHm+Cx9qLJSZm

l3e3GhfosASUdtwy7VnjTR6T6H4IPD8OcRWgjx3MErB+RpTsmpJ1DqX6/FubxRfc

Dm7MT3nku2yubWmxvDaM3WYu99BDNhIk+VOmJ5feFOg2dQmbd4uJOtpykc0XcHP/

qnIDVgnV67dJjfeYONytVJc=

-----END PRIVATE KEY-----

vim recipient\_bcc



vim sender\_access

Caterjs@caster.com REJECT

vim sender.re

#/(^yuhua.li@quanshi.com$)/ discard

vim smtpd.pem

-----BEGIN CERTIFICATE-----

MIIDTzCCAjegAwIBAgIJALQ6r8ct6FQXMA0GCSqGSIb3DQEBBQUAMD4xCzAJBgNV

BAYTAkNOMRAwDgYDVQQIDAdiZWlqaW5nMRAwDgYDVQQHDAdiZWlqaW5nMQswCQYD

VQQKDAJxczAeFw0xNzEwMjMwMzIyMTVaFw0xNzExMjIwMzIyMTVaMD4xCzAJBgNV

BAYTAkNOMRAwDgYDVQQIDAdiZWlqaW5nMRAwDgYDVQQHDAdiZWlqaW5nMQswCQYD

VQQKDAJxczCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBANtJr6+crwx6

rHQ0LmivKcvc2C0TzCdQMTemAcuSAuKqFgFcerwrDUgZ0cGheQn9j1pLT0x8rTsJ

s7wIakiUAVMuZfG8BnbB36uTHyU7rS8RfyntqgJSVcqpuqg+3v1Qn7oExp5znkqm

7iX1cd6kM+t9/Pq09nh1TcR+I6AsU5ELpdOShl18UqQzwkPQB2ys7Fs5A7YwWaAD

GpEisV5AE4EDpeDjWAXWv8w5NCm89uFesJkBTjqFOGYEXweO5Opflz2Y/4Gv/xAW

Rqp+uxY5xOgqcR6DM8iCJay3VWKO7KFql3tOSstpnjn85k/HsKoD29cEj0omTQXd

OdaLBvkipgkCAwEAAaNQME4wHQYDVR0OBBYEFEu8sMWvqbSFvWPYQqJ9sj2rkN+O

MB8GA1UdIwQYMBaAFEu8sMWvqbSFvWPYQqJ9sj2rkN+OMAwGA1UdEwQFMAMBAf8w

DQYJKoZIhvcNAQEFBQADggEBAD2313LLexGdgACmoW3N0O0gTG0r8dWWs1bmbLTQ

r5Hz16suP11X/VjomJFIEbrR7/zmE9h6B/Kayoe0PtyiteXgvMIVk7VibylTcNSS

/pNwb8RQh7h0aDQ9TDzrqwFytfpujm7JeP2gkSYinAHgWwBbZXw55fDMBYpBjYMM

BS9s1mZ74Agk6XL8aimYS5A32PpqpAsENr08sp5+w6WWKbJalUMUJY45/3tjxuML

nhbuqGhhE7Bl3MCtOPLECdbL2bEQn6MIFaalfEpIv34SKLa2jD9WGafYoLdhtmUE

jTCVXKd4Q5oU+Tt7EF3sVrkvHVhqMvZ5l2aVhJ2qc4JoOVk=

-----END CERTIFICATE-----

vim transport



### 5、配置认证方式

vim /etc/saslauthd.conf

ldap\_servers: ldap://192.168.12.93

ldap\_bind\_dn: cn=Manager,dc=gnetis,dc=com

ldap\_bind\_pw: gathink

ldap\_search\_base: dc=users,dc=gnetis,dc=com

ldap\_version: 3

ldap\_auth\_method: bind

ldap\_filter: (&(uid=%u))

vim /etc/sasl2/smtpd.conf

pwcheck\_method: saslauthd

mech\_list: plain login

vim /etc/pam\_ldap.conf

base dc=gnetis,dc=com

uri ldap://127.0.0.1/

ldap\_version 3

binddn cn=Manager,dc=gnetis,dc=com

bindpw gathink

port 389

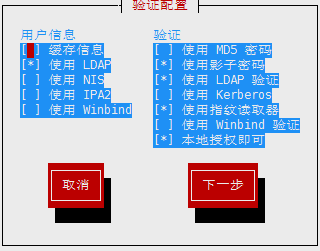
pam\_password md5

ssl no

tls\_cacertdir /etc/openldap/cacerts

### 6、启用pam ldap验证

authconfig-tui





### 7、安装spf模块

下载spf perl <https://launchpad.net/> 搜索spf

cp postfix-policyd-spf-perl /usr/libexec/postfix/policyd-spf-perl

yum install \*YAML\*

perl -MCPAN -e 'install NetAddr::IP'

perl -MCPAN -e 'install Mail::SPF'

perl -MCPAN -e 'install Hostname::Long'

配置支持SPF检查

vim /**etc**/postfix/main.cf

smtpd\_recipient\_restrictions =

……,

check\_policy\_service unix:private/policy-spf

添加邮件头部检查

header\_checks = pcre:/etc/postfix/header\_checks

vim /etc/postfix/header\_checks

#/Received-SPF: none/ REJECT 太严格不启用

/Received-SPF: softfail/ REJECT

vim /etc/**postfix**/master.cf

在最后添加（上面的master.conf已包含）

policy-spf unix - n n - - spawn

user=nobody argv=/usr/bin/perl /usr/libexec/postfix/policyd-spf-perl

### 8、配置dovecot

cd /etc/dovecot/



cd /etc/dovecot/conf.d/



