rpm –Uvh <https://dl.fedoraproject.org/pub/epel/7/x86_64/Packages/e/epel-release-7-14.noarch.rpm>

yum –y update

Перед установкой должны быть установлены apache и mysql 5.7

mysql -u root –p

mysql> CREATE DATABASE vexim;

mysql> GRANT ALL ON vexim.\* to vexim@localhost identified by 'password';

mysql> quit

**Установка Postfixadmin**

yum -y install php-imap php-mbstring php-pdo php-mysql php-cli

wget http://sourceforge.net/projects/postfixadmin/files/postfixadmin/postfixadmin-3.0/postfixadmin-3.0.tar.gz

tar xpf postfixadmin-3.0.tar.gz

mv postfixadmin-3.0 /var/www/html/postfixadmin

chown -R apache:apache /var/www/html/postfixadmin

rm postfixadmin-3.0.tar.gz

cd /var/www/html/postfixadmin

vi config.inc.php

$CONF['database\_type'] = 'mysqli';

$CONF['database\_host'] = 'localhost';

$CONF['database\_user'] = 'vexim';

$CONF['database\_password'] = 'password';

$CONF['database\_name'] = 'vexim';

$CONF['encrypt'] = 'dovecot:CRAM-MD5';

$CONF['dovecotpw'] = "/usr/bin/doveadm pw";

$CONF['configured'] = true;

**Установка Dovecot**

yum -y install dovecot dovecot-mysql

mv /etc/dovecot/dovecot.conf /etc/dovecot/dovecot.conf-orig

vi /etc/dovecot/dovecot.conf

## Dovecot configuration file

base\_dir = /var/run/dovecot/

auth\_default\_realm = webmeeting.uz

auth\_mechanisms = plain login cram-md5

protocols = imap pop3

listen = \*

disable\_plaintext\_auth = no

dotlock\_use\_excl = yes

first\_valid\_gid = 5

first\_valid\_uid = 25

mail\_location = maildir:/var/vmail/%d/%u

mail\_privileged\_group = mail

passdb {

args = /etc/dovecot/dovecot-mysql.conf

driver = sql

}

service auth {

unix\_listener auth-client {

group = exim

mode = 0660

user = exim

}

unix\_listener auth-master {

group = exim

mode = 0600

user = exim

}

user = root

}

ssl = no

userdb {

args = /etc/dovecot/dovecot-mysql.conf

driver = sql

}

verbose\_proctitle = yes

protocol imap {

imap\_client\_workarounds = delay-newmail tb-extra-mailbox-sep

}

protocol pop3 {

pop3\_client\_workarounds = outlook-no-nuls oe-ns-eoh

pop3\_uidl\_format = %08Xu%08Xv

}

protocol lda {

auth\_socket\_path = /var/run/dovecot/auth-master

postmaster\_address = info@site.com

}

vi /etc/dovecot/dovecot-mysql.conf

## Dovecot database configuration

driver = mysql

connect = host=localhost dbname=vexim user=vexim password=P@$$word@2021

default\_pass\_scheme = CRAM-MD5

password\_query = SELECT `username` as `user`, `password` FROM `mailbox` WHERE `username` = '%n@%d' AND `active`='1'

user\_query = SELECT 93 AS `uid`, 93 AS `gid` FROM `mailbox` WHERE `username` = '%n@%d' AND `active`='1'

**Установка Exim**

**Exim – это специальный агент пересылки сообщений.**

yum -y install exim exim-mysql cyrus-sasl

mv /etc/exim/exim.conf /etc/exim/exim.conf-orig

vi /etc/exim/exim.conf

######################################################################

# MAIN CONFIGURATION SETTINGS #

######################################################################

primary\_hostname = mail.webmeeting.uz

hide mysql\_servers = localhost/vexim/vexim/P@$$word@2021

domainlist local\_domains = ${lookup mysql{SELECT `domain` \

FROM `domain` WHERE \

`domain`='${quote\_mysql:$domain}' AND \

`active`='1'}}

domainlist relay\_to\_domains = ${lookup mysql{SELECT `domain` \

FROM `domain` WHERE \

`domain`='${quote\_mysql:$domain}' AND \

`active`='1'}}

hostlist relay\_from\_hosts = localhost:127.0.0.0/8:192.168.1.0/24

auth\_advertise\_hosts = \*

acl\_not\_smtp = acl\_not\_smtp

acl\_smtp\_rcpt = acl\_check\_rcpt

acl\_smtp\_data = acl\_check\_data

qualify\_domain =webmeeting.uz

qualify\_recipient = webmeeting.uz

allow\_domain\_literals = true

exim\_user = exim

exim\_group = exim

never\_users = root

rfc1413\_query\_timeout = 0s

sender\_unqualified\_hosts = +relay\_from\_hosts

recipient\_unqualified\_hosts = +relay\_from\_hosts

ignore\_bounce\_errors\_after = 45m

timeout\_frozen\_after = 15d

helo\_accept\_junk\_hosts = 192.168.1.0/24

auto\_thaw = 1h

smtp\_banner = "$primary\_hostname, ESMTP EXIM $version\_number"

smtp\_accept\_max = 50

smtp\_accept\_max\_per\_connection = 25

smtp\_connect\_backlog = 30

smtp\_accept\_max\_per\_host = 20

split\_spool\_directory = true

remote\_max\_parallel = 15

return\_size\_limit = 70k

message\_size\_limit = 64M

helo\_allow\_chars = \_

smtp\_enforce\_sync = true

log\_selector = \

+all\_parents \

+connection\_reject \

+incoming\_interface \

+lost\_incoming\_connection \

+received\_sender \

+received\_recipients \

+smtp\_confirmation \

+smtp\_syntax\_error \

+smtp\_protocol\_error \

-queue\_run

syslog\_timestamp = no

######################################################################

# ACL CONFIGURATION #

# Specifies access control lists for incoming SMTP mail #

######################################################################

begin acl

acl\_not\_smtp:

deny message = Sender rate overlimit - $sender\_rate / $sender\_rate\_period

ratelimit = 50 / 1h / strict

accept

acl\_check\_rcpt:

deny message = "Lookup failed"

condition = ${if eq{$host\_lookup\_failed}{1}}

accept hosts = :

deny message = "incorrect symbol in address"

domains = +local\_domains

local\_parts = ^[.] : ^.\*[@%!/|]

deny message = "incorrect symbol in address"

domains = !+local\_domains

local\_parts = ^[./|] : ^.\*[@%!] : ^.\*/\\.\\./

accept local\_parts = postmaster

domains = +local\_domains

deny message = "HELO/EHLO required by SMTP RFC"

condition = ${if eq{$sender\_helo\_name}{}{yes}{no}}

accept authenticated = \*

deny condition = ${if eq{$sender\_helo\_name}\

{$interface\_address}{yes}{no}}

hosts = !127.0.0.1 : !localhost : \*

message = "My IP in your HELO! Access denied!"

deny condition = ${if match{$sender\_helo\_name}\

{\N^\d+$\N}{yes}{no}}

hosts = !127.0.0.1 : !localhost : \*

message = "Incorrect HELO string"

warn

set acl\_m0 = 30s

warn

hosts = +relay\_from\_hosts:4.3.2.1/32:192.168.1.0/24 #disable waits for 'friendly' hosts

set acl\_m0 = 0s

warn

logwrite = Delay $acl\_m0 for $sender\_host\_name \

[$sender\_host\_address] with HELO=$sender\_helo\_name. Mail \

from $sender\_address to $local\_part@$domain.

delay = $acl\_m0

accept domains = +local\_domains

endpass

message = "No such user"

verify = recipient

accept domains = +relay\_to\_domains

endpass

message = "i don't know how to relay to this address"

verify = recipient

deny message = "you in blacklist - $dnslist\_domain \n $dnslist\_text"

dnslists = opm.blitzed.org : \

cbl.abuseat.org : \

bl.csma.biz

accept hosts = +relay\_from\_hosts

deny message = "Homo hominus lupus est"

acl\_check\_data:

deny malware = \*/defer\_ok

message = "Your message contains viruses: $malware\_name"

accept

######################################################################

# ROUTERS CONFIGURATION #

# Specifies how addresses are handled #

######################################################################

# THE ORDER IN WHICH THE ROUTERS ARE DEFINED IS IMPORTANT! #

# An address is passed to each router in turn until it is accepted. #

######################################################################

begin routers

dnslookup:

driver = dnslookup

domains = ! +local\_domains

transport = remote\_smtp

ignore\_target\_hosts = 0.0.0.0 : 127.0.0.0/8

no\_more

system\_aliases:

driver = redirect

allow\_fail

allow\_defer

data = ${lookup mysql{SELECT `goto` FROM `alias` WHERE \

`address`='${quote\_mysql:$local\_part@$domain}' OR \

`address`='${quote\_mysql:@$domain}'}}

dovecot\_user:

driver = accept

condition = ${lookup mysql{SELECT `goto` FROM \

`alias` WHERE \

`address`='${quote\_mysql:$local\_part@$domain}' OR \

`address`='${quote\_mysql:@$domain}'}{yes}{no}}

transport = dovecot\_delivery

######################################################################

# TRANSPORTS CONFIGURATION #

######################################################################

# ORDER DOES NOT MATTER #

# Only one appropriate transport is called for each delivery. #

######################################################################

begin transports

remote\_smtp:

driver = smtp

dovecot\_delivery:

driver = pipe

command = /usr/libexec/dovecot/deliver -d $local\_part@$domain

message\_prefix =

message\_suffix =

delivery\_date\_add

envelope\_to\_add

return\_path\_add

log\_output

user = exim

address\_pipe:

driver = pipe

return\_output

address\_reply:

driver = autoreply

######################################################################

# RETRY CONFIGURATION #

######################################################################

begin retry

\* \* F,2h,15m; G,16h,1h,1.5; F,4d,6h

######################################################################

# REWRITE CONFIGURATION #

######################################################################

begin rewrite

######################################################################

# AUTHENTICATION CONFIGURATION #

######################################################################

begin authenticators

auth\_plain:

driver = dovecot

public\_name = PLAIN

server\_socket = /var/run/dovecot/auth-client

server\_set\_id = $auth1

auth\_login:

driver = dovecot

public\_name = LOGIN

server\_socket = /var/run/dovecot/auth-client

server\_set\_id = $auth1

auth\_cram\_md5:

driver = dovecot

public\_name = CRAM-MD5

server\_socket = /var/run/dovecot/auth-client

server\_set\_id = $auth1

**Удаление Postfix**

alternatives --config mta

systemctl disable postfix

systemctl stop postfix

yum -y remove postfix

**Настройка сервисов и доступов**

systemctl enable dovecot.service

systemctl enable exim.service

mkdir /var/vmail

chown exim:exim -R /var/vmail

chmod -Rf g+w /var/spool/exim

chmod -Rf g+s /var/spool/exim

chown exim:exim -R /var/spool/exim

**Настройка Postfixadmin**

Переходим по ссылке http://server\_ip/postfixadmin/setup.php и следуем инструкциям по установке. После создания суперадмина установщик выдаст хеш-код пароля:

$CONF['setup\_password'] = '64de76b22a77709bdccae029a9cd8296:83ddcab23411cac728cbd5a092315bac89ca975a';

Его необходимо заменить в файле config.inc.php (в корне каталога postfixadmin) вместо этой строки:

$CONF['setup\_password'] = 'changeme';

Далее необходимо войти в систему под созданными данными, добавить необходимые домены и почтовые ящики.

Создаем домен и ящики и проверяем на сайте <https://mxtoolbox.com/SuperTool.aspx?action=mx%3amail.webmeeting.uz&run=toolpage>

Если все нормально то проверяем в оутлуке

CentOS\_3postfix=28