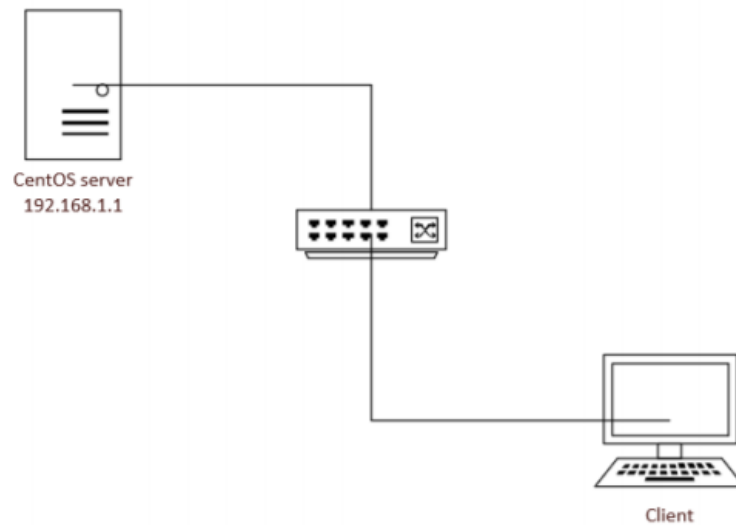


Quản trị mạng: Bài tập Thực hành Tuần 11

Phan Đồng Thiên Long - DCT1185



Với mô hình trên, hãy cài đặt trên Centos thành mail server với tên miền đăng nhập là sgu.edu.vn. Khi thực hiện đăng nhập mail, người ta sẽ nhập là sgu.edu.vn/webmail. Thực hiện gửi nhận mail giữa các client.

- Cài đặt và cấu hình Postfix

```
# parameters.
#
mydomain = sgu.edu.vn

# SENDING MAIL
#
# The first interface parameter specifies the network interface
#
#myorigin = $myhostname
myorigin = $mydomain

# RECEIVING MAIL
#
# The first interface parameter specifies the network interface
# to recipient addresses that have no @domain part.
#
#myorigin = $myhostname
myorigin = $mydomain

# RECEIVING MAIL
```

```

inet_interfaces = $myhostname, localhost
inet_interfaces = all

# Enable IPv4, and IPv6 if supported
inet_protocols = all

#
#mydestination = $myhostname, localhost.$mydomain, localhost
mydestination = $myhostname, localhost.$mydomain, localhost, $mydomain
#mydestination = $myhostname, localhost.$mydomain, localhost, $mydomain,
#      mail.$mydomain, www.$mydomain, ftp.$mydomain

#
mynetworks = 192.168.1.0/24, 127.0.0.0/8
#mynetworks = $config_directory/mynetworks
#mynetworks = hash:/etc/postfix/network_table

#
#home_mailbox = Mailbox
home_mailbox = Maildir/

```

- Kiểm tra SMTP, Postfix với Telnet

```

CentOS 7 64-bit x
Applications Places Terminal Sat 21:54
long@server:/home/long

File Edit View Search Terminal Help
[root@localhost long]# telnet localhost smtp
Trying ::1...
Connected to localhost.
Escape character is '^]'.
220 server.sgu.edu.vn ESMTP Postfix
ehlo localhost
250-server.sgu.edu.vn
250-PIPELINING
250-SIZE 10240000
250-VRFY
250-ETRN
250-ENHANCEDSTATUSCODES
250-8BITMIME
250 DSN
mail from:<u1>
250 2.1.0 Ok
rcpt to:<u1>
250 2.1.5 Ok
data
354 End data with <CR><LF>.<CR><LF>
Welcome to Adminvietnam mail server
.
250 2.0.0 Ok: queued as 0CB7521A3216
quit
221 2.0.0 Bye
Connection closed by foreign host.
[root@localhost long]#

```

- Cài đặt và cấu hình dovecot

```
# Protocols we want to be serving.  
protocols = imap pop3 lmtp
```

- Sửa file 10-mail.conf

```
#  
mail_location = maildir:~/Maildir  
# mail_location = mbox:~/mail:INBOX=/var/mail/%u  
# mail_location = mbox:/var/mail/%d/%ln/%n:INDEX=/var/indexes/%d/%ln/%n  
#
```

- Sửa file 10-auth.conf

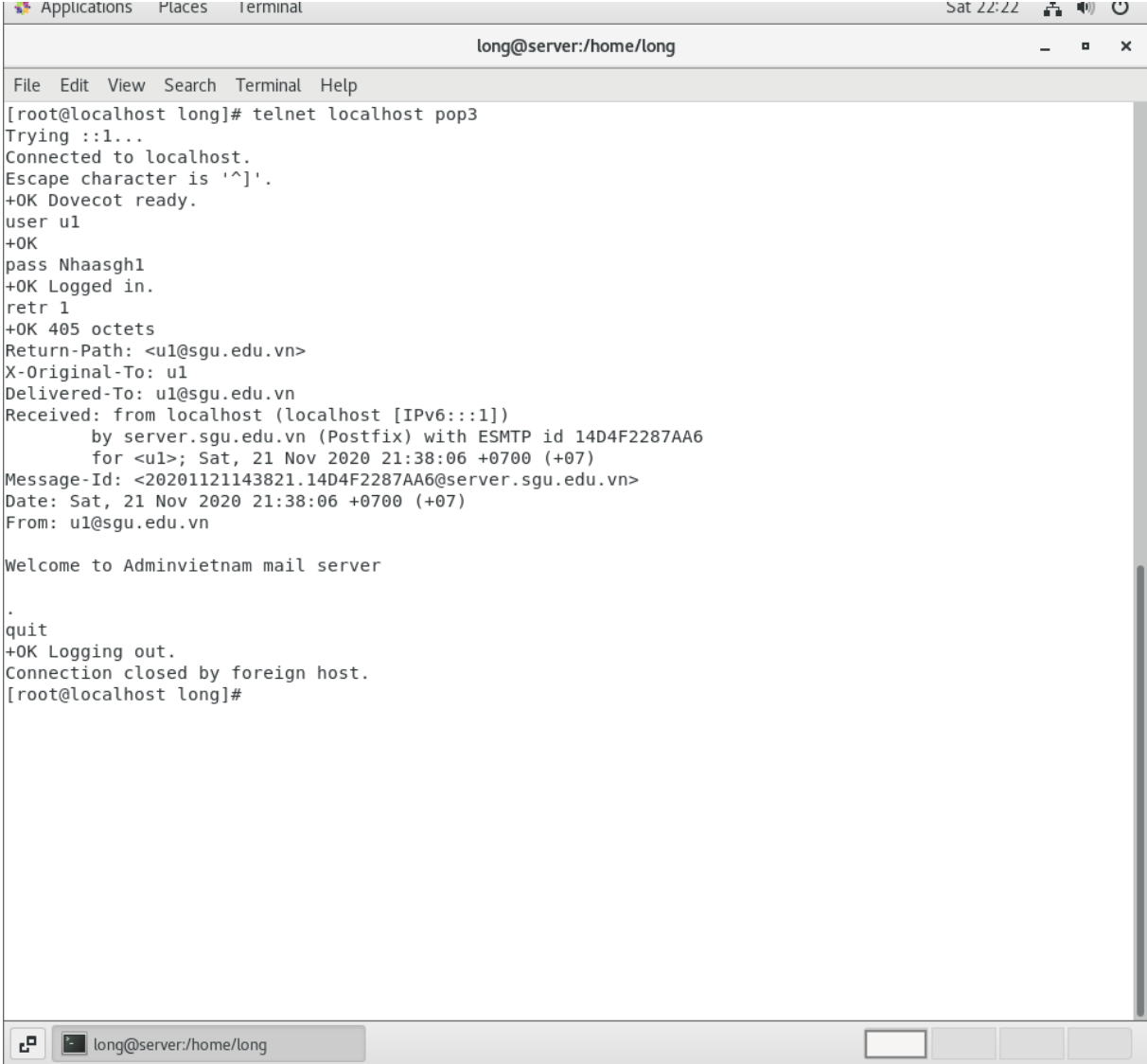
```
# See also ssl=required setting.  
disable_plaintext_auth = yes
```

```
# NOTE: See also disable_plaintext_auth setting.  
auth_mechanisms = plain login
```

- Sửa file 10-master.conf

```
service dict {  
  # If dict proxy is used, mail processes should have access to its socket.  
  # For example: mode=0660, group=vmail and global mail_access_groups=vmail  
  unix_listener dict {  
    mode = 0600  
    user = postfix  
    group = postfix  
  }  
}
```

- Kiểm tra dovecot, POP3 với telnet



```
Applications  Places  Terminal  Sat 22:22
long@server:/home/long

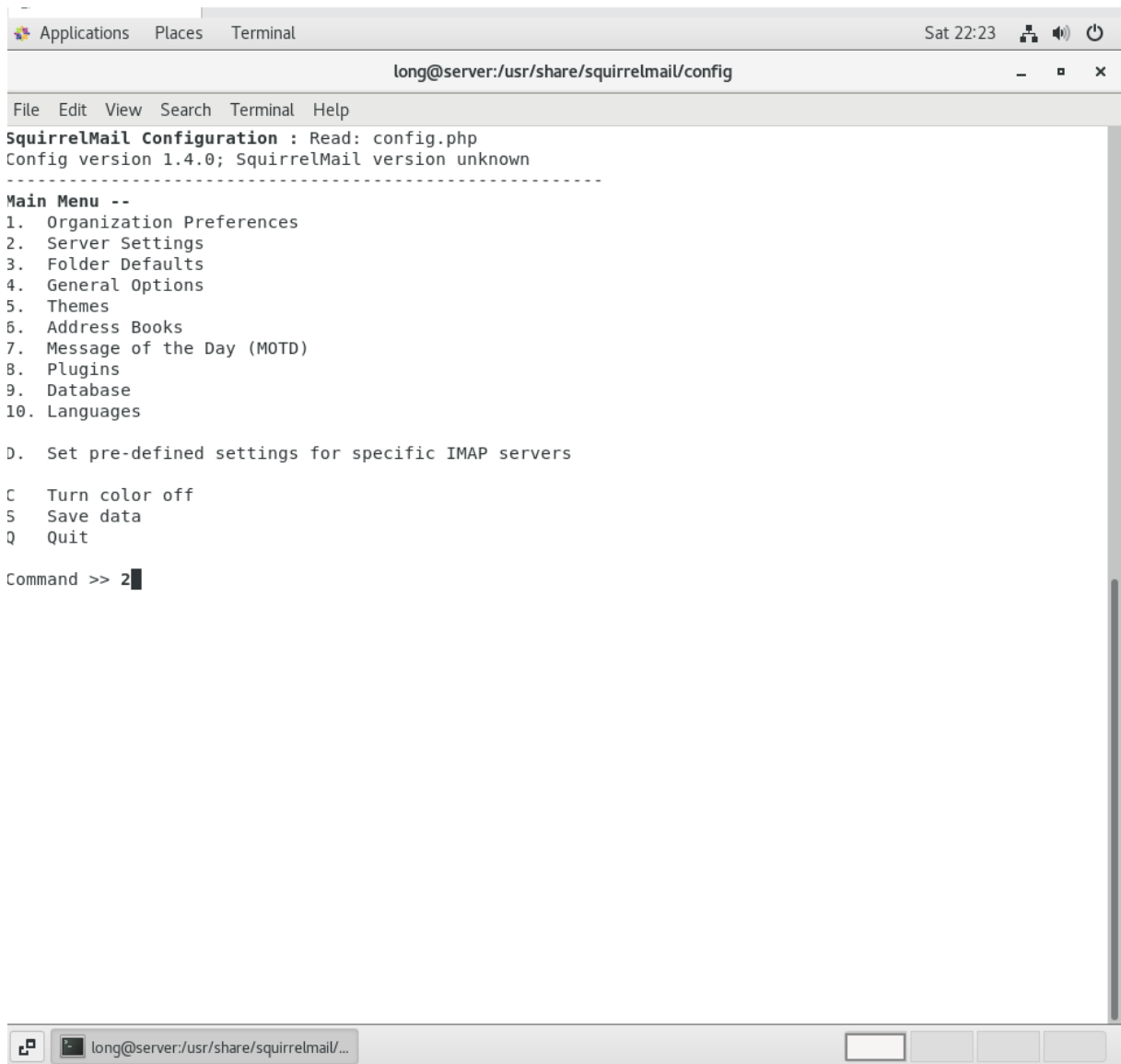
File Edit View Search Terminal Help
[root@localhost long]# telnet localhost pop3
Trying ::1...
Connected to localhost.
Escape character is '^]'.
+OK Dovecot ready.
user u1
+OK
pass Nhaasgh1
+OK Logged in.
retr 1
+OK 405 octets
Return-Path: <u1@sgu.edu.vn>
X-Original-To: u1
Delivered-To: u1@sgu.edu.vn
Received: from localhost (localhost [IPv6:::1])
        by server.sgu.edu.vn (Postfix) with ESMTP id 14D4F2287AA6
        for <u1>; Sat, 21 Nov 2020 21:38:06 +0700 (+07)
Message-Id: <20201121143821.14D4F2287AA6@server.sgu.edu.vn>
Date: Sat, 21 Nov 2020 21:38:06 +0700 (+07)
From: u1@sgu.edu.vn

Welcome to Adminvietnam mail server

.
quit
+OK Logging out.
Connection closed by foreign host.
[root@localhost long]#
```

To return to your computer, move the mouse pointer outside or press Ctrl+Alt.

- Cài đặt và cấu hình SquirrelMail



```
Applications  Places  Terminal  Sat 22:24  [system icons]
long@server:/usr/share/squirrelmail/config
File Edit View Search Terminal Help
SquirrelMail Configuration : Read: config.php
Config version 1.4.0; SquirrelMail version unknown
-----
Server Settings

General
-----
1. Domain           : localhost
2. Invert Time       : false
3. Sendmail or SMTP  : Sendmail

A. Update IMAP Settings : localhost:143 (uw)
B. Change Sendmail Config : /usr/sbin/sendmail

R Return to Main Menu
C Turn color off
S Save data
Q Quit

Command >> 3

You now need to choose the method that you will use for sending
messages in SquirrelMail. You can either connect to an SMTP server
or use sendmail directly.

1. Sendmail
2. SMTP
Your choice [1/2] [1]: 2

To return to your computer, move the mouse pointer outside or press Ctrl+Alt.
```

```
Applications  Places  Terminal  Sat 22:25  [system icons]
long@server:/usr/share/squirrelmail/config
File Edit View Search Terminal Help
SquirrelMail Configuration : Read: config.php
Config version 1.4.0; SquirrelMail version unknown
-----
Server Settings

General
-----
1. Domain                : localhost
2. Invert Time           : false
3. Sendmail or SMTP      : SMTP

A. Update IMAP Settings  : localhost:143 (uw)
B. Update SMTP Settings  : localhost:25

R Return to Main Menu
C Turn color off
S Save data
Q Quit

Command >> 1

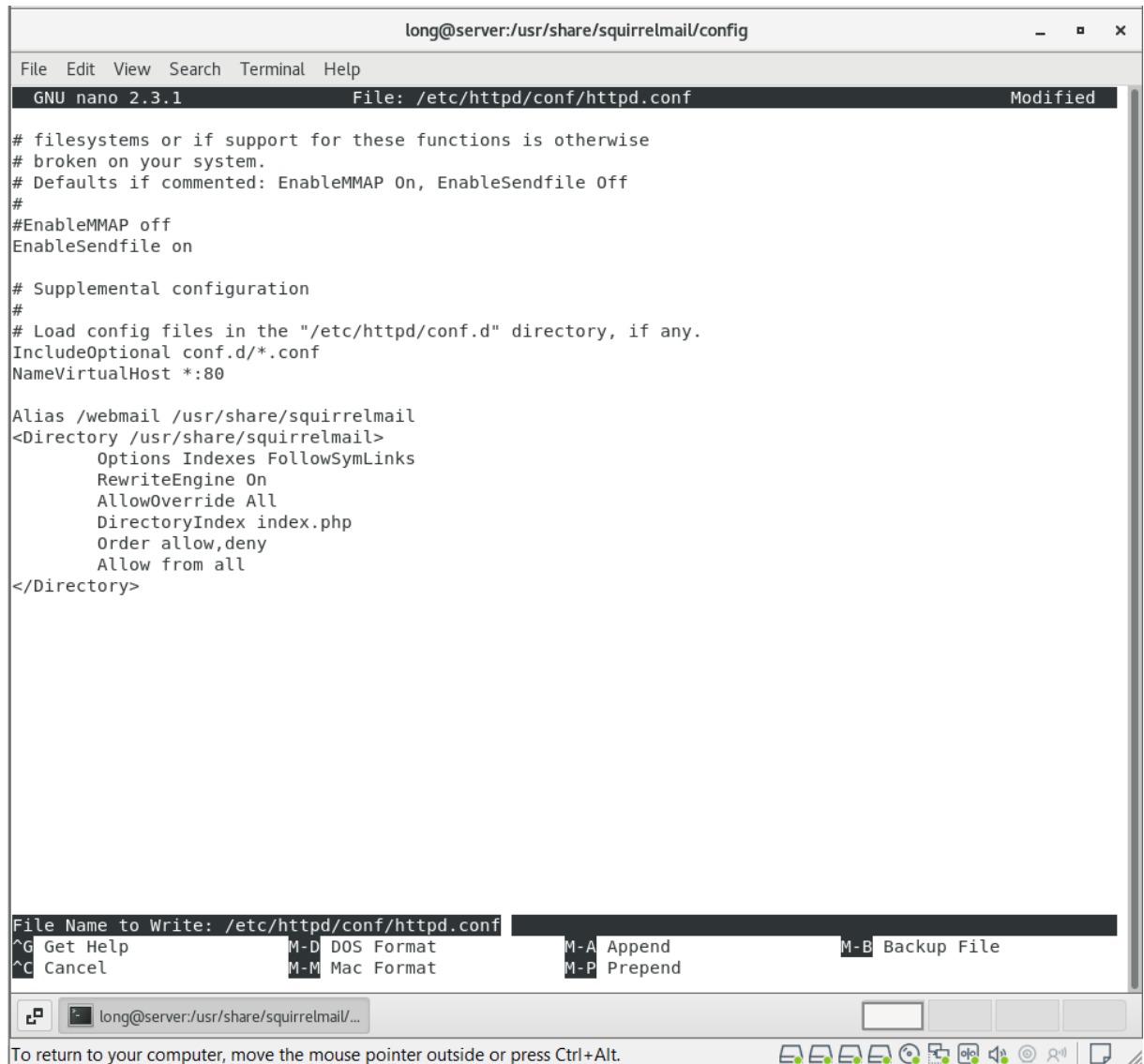
The domain name is the suffix at the end of all email addresses.  If
for example, your email address is jdoe@example.com, then your domain
would be example.com.

[localhost]: sgu.edu.vn
```

long@server:/usr/share/squirrelmail/...

To return to your computer, move the mouse pointer outside or press Ctrl+Alt.

- Cài đặt alias /webmail cho web server



```
long@server:usr/share/squirrelmail/config
File Edit View Search Terminal Help
GNU nano 2.3.1 File: /etc/httpd/conf/httpd.conf Modified

# filesystems or if support for these functions is otherwise
# broken on your system.
# Defaults if commented: EnableMMAP On, EnableSendfile Off
#
#EnableMMAP off
EnableSendfile on

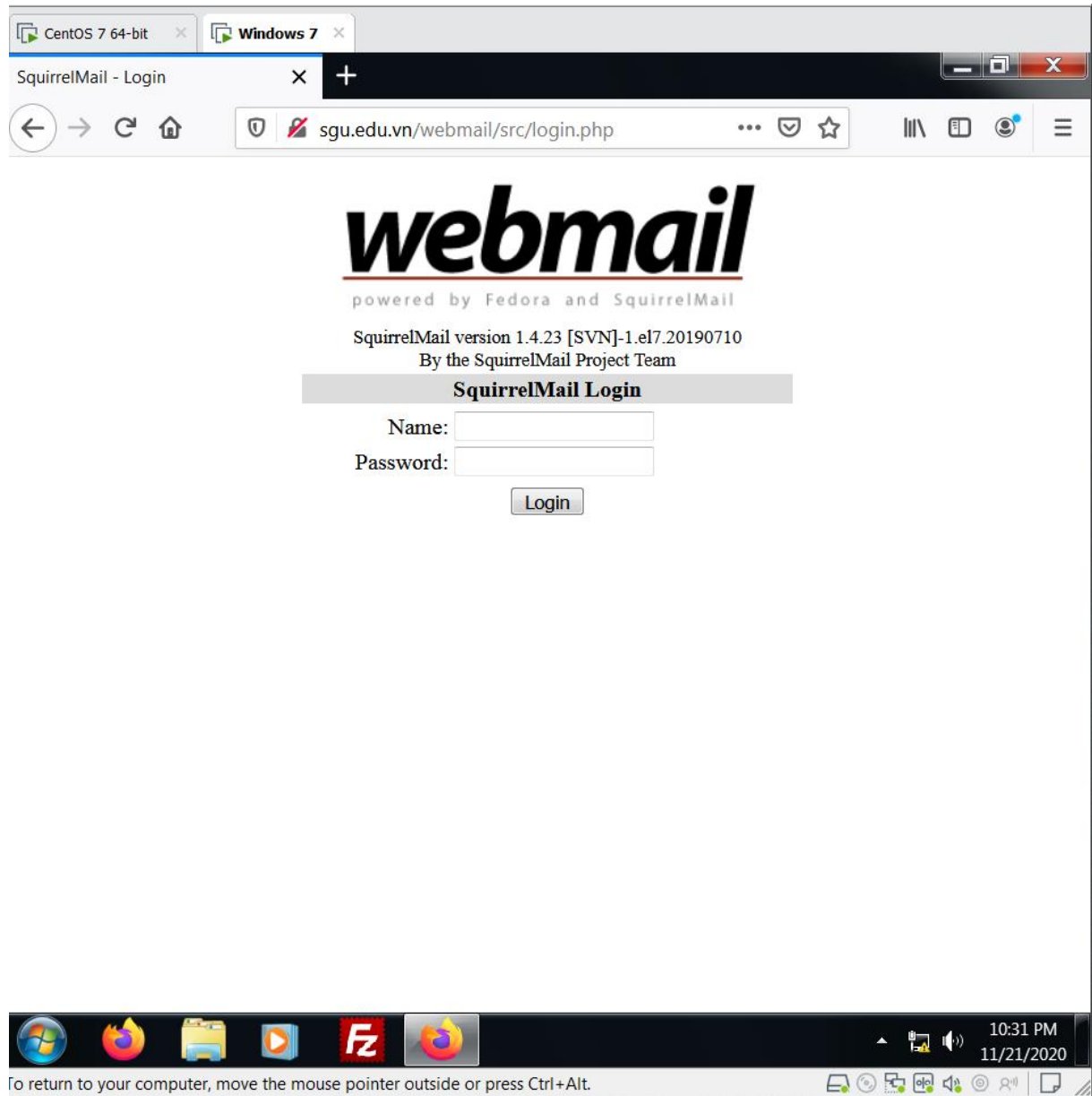
# Supplemental configuration
#
# Load config files in the "/etc/httpd/conf.d" directory, if any.
IncludeOptional conf.d/*.conf
NameVirtualHost *:80

Alias /webmail /usr/share/squirrelmail
<Directory /usr/share/squirrelmail>
    Options Indexes FollowSymLinks
    RewriteEngine On
    AllowOverride All
    DirectoryIndex index.php
    Order allow,deny
    Allow from all
</Directory>

File Name to Write: /etc/httpd/conf/httpd.conf
^G Get Help      M-D DOS Format  M-A Append      M-B Backup File
^C Cancel        M-M Mac Format  M-P Prepend
```

To return to your computer, move the mouse pointer outside or press Ctrl+Alt.

- Truy cập sgu.edu.vn/webmail bên client



- Đăng nhập tài khoản “u1”

CentOS 7 64-bit x Windows 7 x

SquirrelMail 1.4.23 [SVN]-1.e17.2019 x +

sgu.edu.vn/webmail/src/webmail.php

Folders
Last Refresh:
Sat, 3:34 pm
(Check mail)

INBOX
Drafts
Sent
Trash

Current Folder: **INBOX** [Sign Out](#)

[Compose](#) [Addresses](#) [Folders](#) [Options](#) [Search](#) [Help](#) [SquirrelMail](#)

[Toggle All](#) Viewing Messages: **1 to 2 (2 total)**

Move Selected To:

Transform Selected Messages:

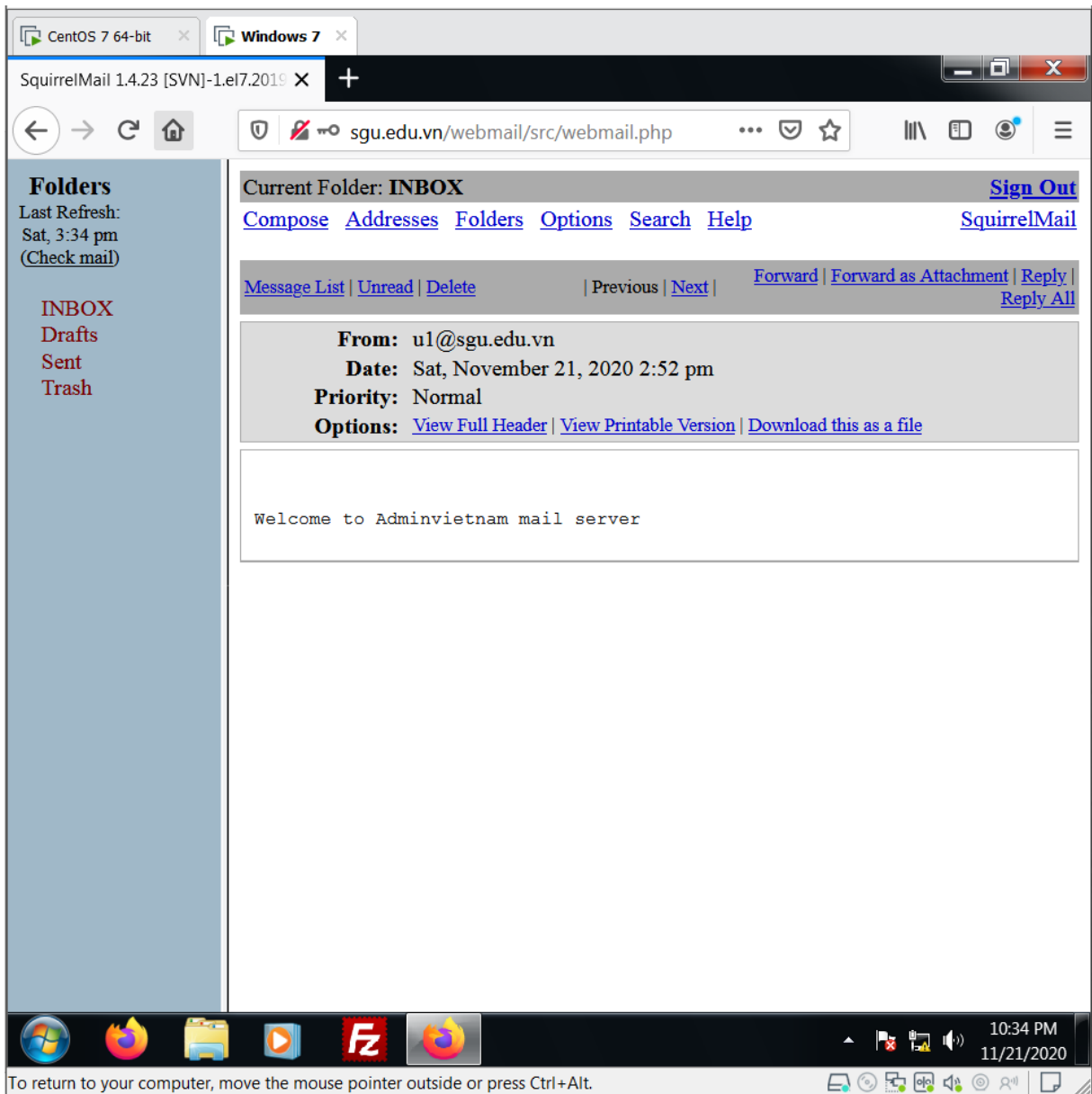
[Thread View](#)

From	Date	Subject
<input type="checkbox"/> u1@sgu.edu.vn	2:52 pm	(no subject)
<input type="checkbox"/> u1@sgu.edu.vn	2:40 pm	(no subject)

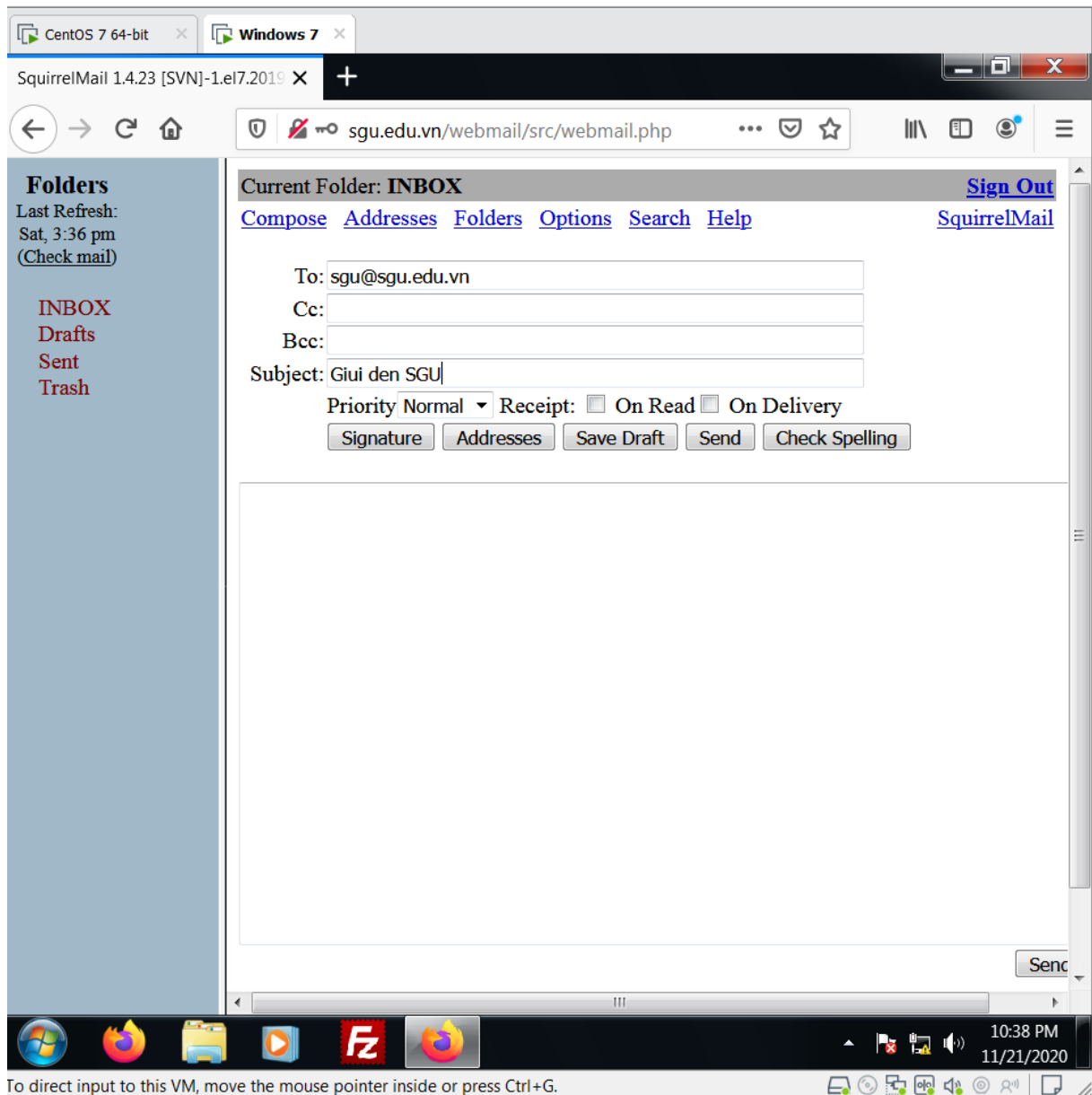
[Toggle All](#) Viewing Messages: **1 to 2 (2 total)**

To return to your computer, move the mouse pointer outside or press Ctrl+Alt.

10:34 PM
11/21/2020



- Gửi mail cho sgu@sgu.edu.vn



- Kết quả

SquirrelMail 1.4.23 [SVN]-1.e17.2019 X +

SquirrelMail 1.4.23 [SVN]-1.e17.20190710 u.vn/webmail/src/webmail.php

Folders
Last Refresh:
Sat, 3:38 pm
(Check mail)

INBOX (1)
Drafts
Sent
Trash

Current Folder: **INBOX** [Sign Out](#)
[Compose](#) [Addresses](#) [Folders](#) [Options](#) [Search](#) [Help](#) [SquirrelMail](#)

[Toggle All](#) Viewing Message: **1** (1 total)

Move Selected To: Transform Selected Messages:

[Thread View](#)

From	Date	Subject
<input type="checkbox"/> u1@sgu.edu.vn	3:37 pm	Giui den SGU

[Toggle All](#) Viewing Message: **1** (1 total)

SquirrelMail 1.4.23 [SVN]-1.e17.2019 X +

sgu.edu.vn/webmail/src/webmail.php

Folders
Last Refresh:
Sat, 3:38 pm
(Check mail)

INBOX (1)
Drafts
Sent
Trash

Current Folder: **INBOX** [Sign Out](#)
[Compose](#) [Addresses](#) [Folders](#) [Options](#) [Search](#) [Help](#) [SquirrelMail](#)

[Message List](#) | [Unread](#) | [Delete](#) | [Previous](#) | [Next](#) | [Forward](#) | [Forward as Attachment](#) | [Reply](#) | [Reply All](#)

Subject: Giui den SGU
From: u1@sgu.edu.vn
Date: Sat, November 21, 2020 3:37 pm
To: sgu@sgu.edu.vn
Priority: Normal
Options: [View Full Header](#) | [View Printable Version](#) | [Download this as a file](#)