IREDMAIL SERVER IMPLEMENTATION ON UBUNTU

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ABSTRACT

In this digital era, not many people know the function of email. In fact, knowing the function of email can make the most of its presence. Email is an electronic letter that is used as a means to send and receive messages in a digital format. Today mail server web hosting and without hosting are increasingly used because they can facilitate the activity of exchanging information between employees and companies. Apart from that, the use of a mail server is also more or less able to improve the company's image because the email address uses the domain as the company's identity. Mail server makes it easy for us and interestingly this service can be used by using your own domain. If we usually only use email@gmail.com or email@yahoo.com for our services, then by using an email server, we can configure it to use email with our own domain name. One mail server that is quite popular is the iRedMail server, IRedmail is an open source Email server solution on the Linux Operating System. IRedmail itself is available for Ubuntu, Centos, RedHat and Debian. IRedmail offers a web-based admin panel, in which we can make several configurations for the operation of the Mail Server.

Keywords: *Sistem Operasi, Iredmail, Linux, Ubuntu.*

INTRODUCTION

Mail Server

A mail server is a cloud computing-based program in internet services that is used to serve sending or receiving emails via the same mail server network.

iRedMail

iRedMail is a free and open source mail server solution that automatically installs and configures all the necessary mail server components on the server. iRedMail allows us to create as many mailboxes as we want through its built-in web interface. iRedMail provides a web-based interface for managing emails, folders, email filters, and using OpenLDAP, MySQL, MariaDB, PostgreSQL to save letter data You. IRedMail Server is made up of several components including, Postfix, Dovecot, Nginx, OpenLdap, Amavised, SpamAssassin, ClamAV, Roundcube, SOGo, Netdata and Fail2ba.

Postfix

Postfix is an application for SMTP (Simple Mail Transfer Protocol) service. This SMTP service is a service that allows users to send emails to other people.

Dovecot

Dovecot Dovecot is an application for POP3 and IMAP services. POP3 and IMAP are services for retrieving emails. POP3 services are commonly used to read emails on laptops while IMAP services are widely used to read emails on smartphones. ClamAv

ClamAv is an application for antivirus. With this antivirus, viruses that infiltrate via email can be detected and prevented from spreading.Amavids-new

Amavisd-new merupaskan aplikasi untuk content filtering.

METHODS

The method used to build a mail server using Iredmail is a qualitative method for building a mail server from various references. A mail server is a server that is responsible for sending and receiving email. Even though it looks simple, in reality the process of

sending email is quite complicated, the letter you send will go through a series of complicated processes on the mail server to arrive at the recipient.

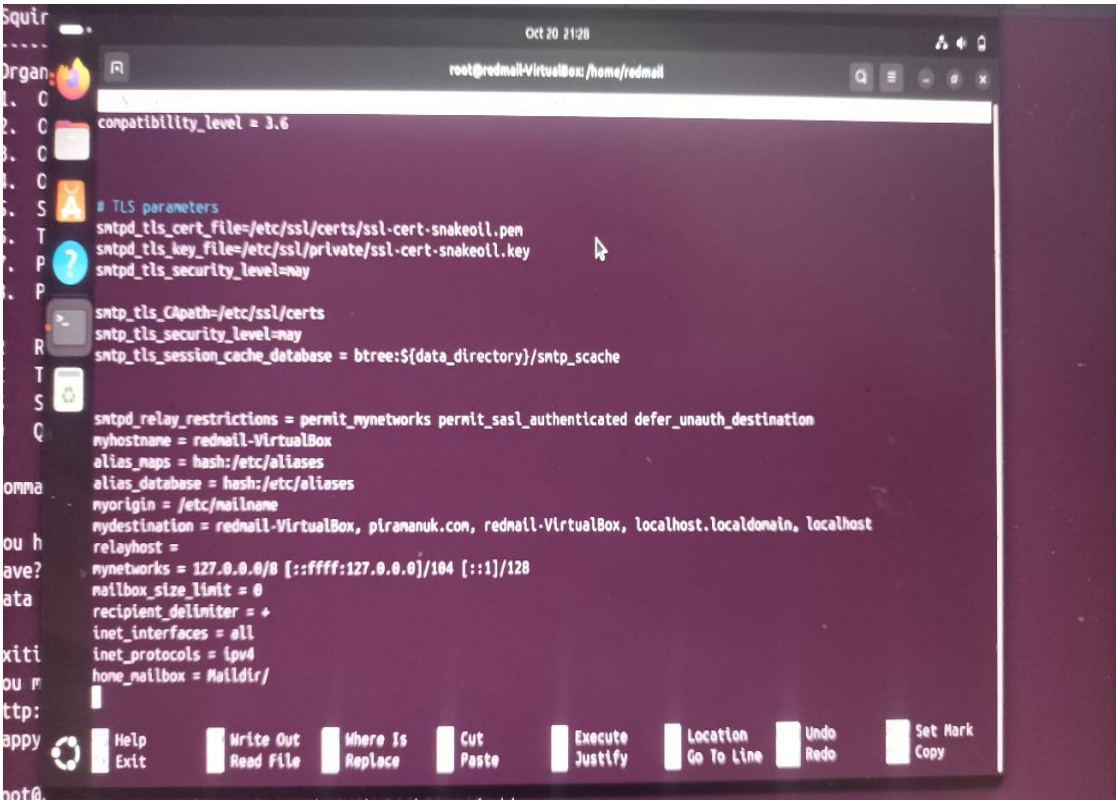
This email server constantly receives messages from the email protector used by the person, or perhaps from a different email server. As the call implies, the email server is the middle part that manipulates the email system. An email server typically includes a transmission area, a person configuration set, a person list, and a conversation sequence module.

There are many other options for people who don't need to waste time modifying endless configuration archives. iRedMail is an excellent shell script that mechanically installs and manages all the desired additives for a truly useful email server.

In making this mail server, we used the Open Source Mail Server, namely iRedMail. iRedmail was by far the best answer to almost every question we found that could be found in the existing iRedMail documentation or on the forum site. IRedMail creates a dream worthy of the email aspect. It is easy to install, easy to use, allows alternating letters to be created.

RESULT AND DISCUSSION

- Update Ubuntu in Terminal using command “apt-get update”
- Install Postfix using command “apt-get install postfix”
- Configure Postfix Using command “dpkg-reconfigure postfix”



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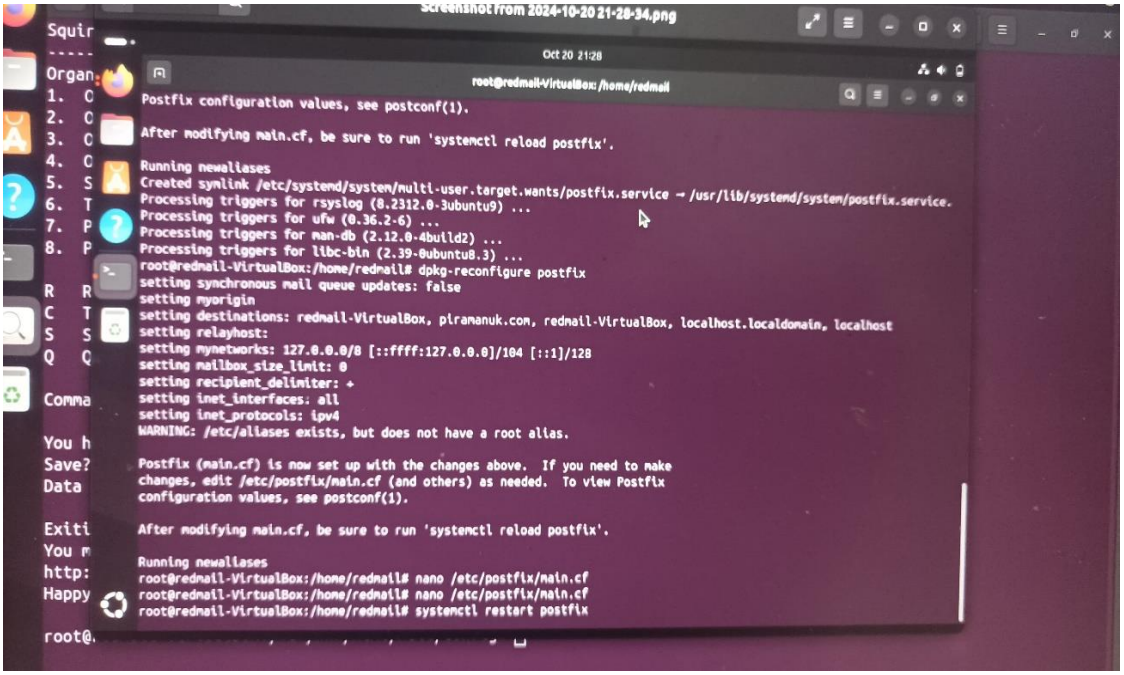
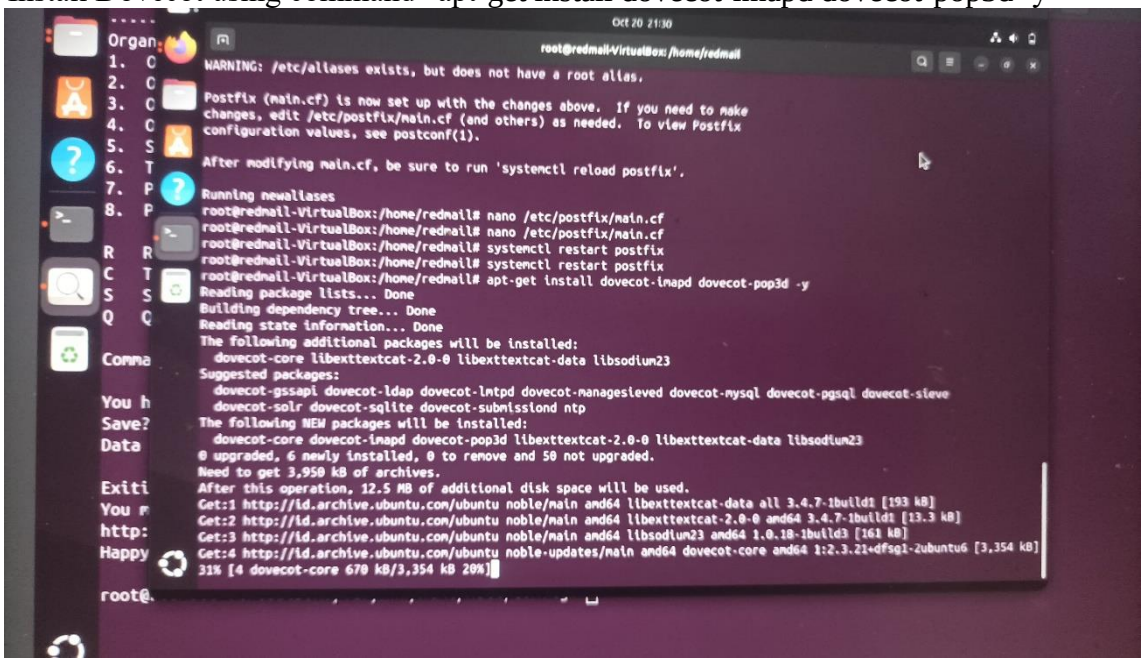
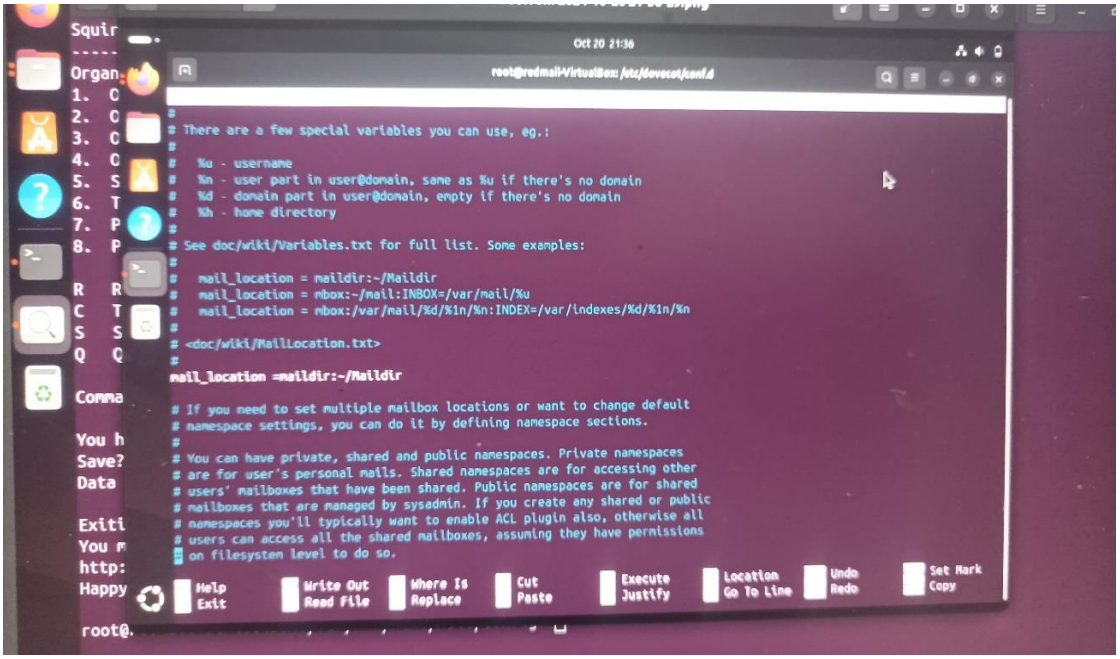
- Modify the file named main.cf by entering the command "nano /etc/postfix/main.cf" then add at the bottom "home_mailbox = Maildir/"
- Restart Postfix using command “systemctl restart postfix”



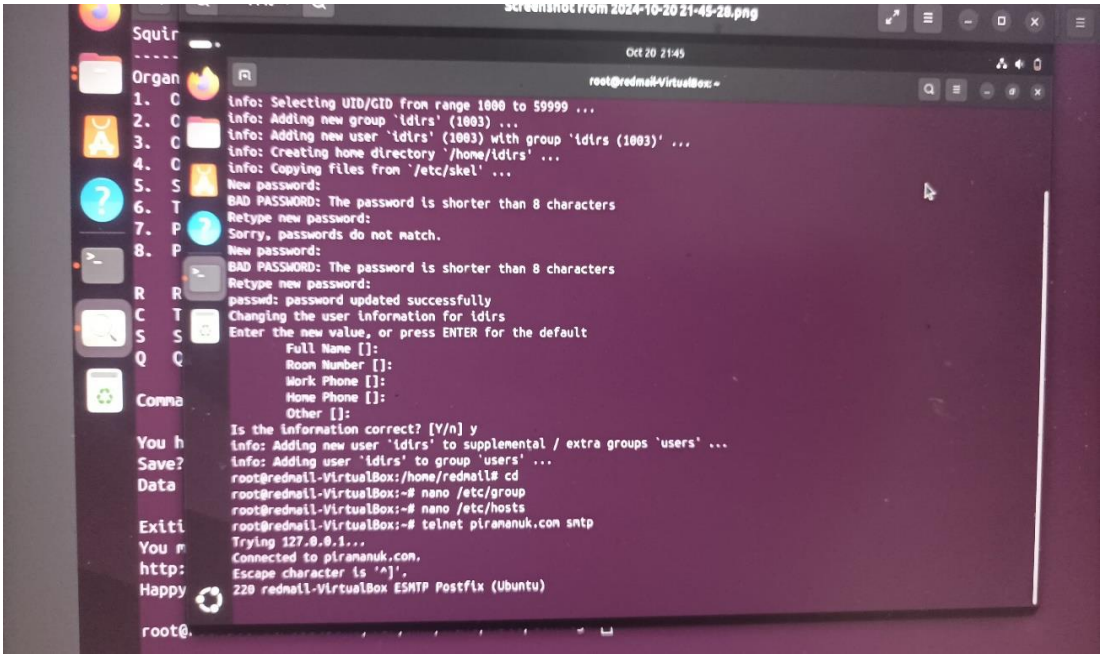
- Install Dovecot using command “apt-get install dovecot-imapd dovecot-pop3d -y”



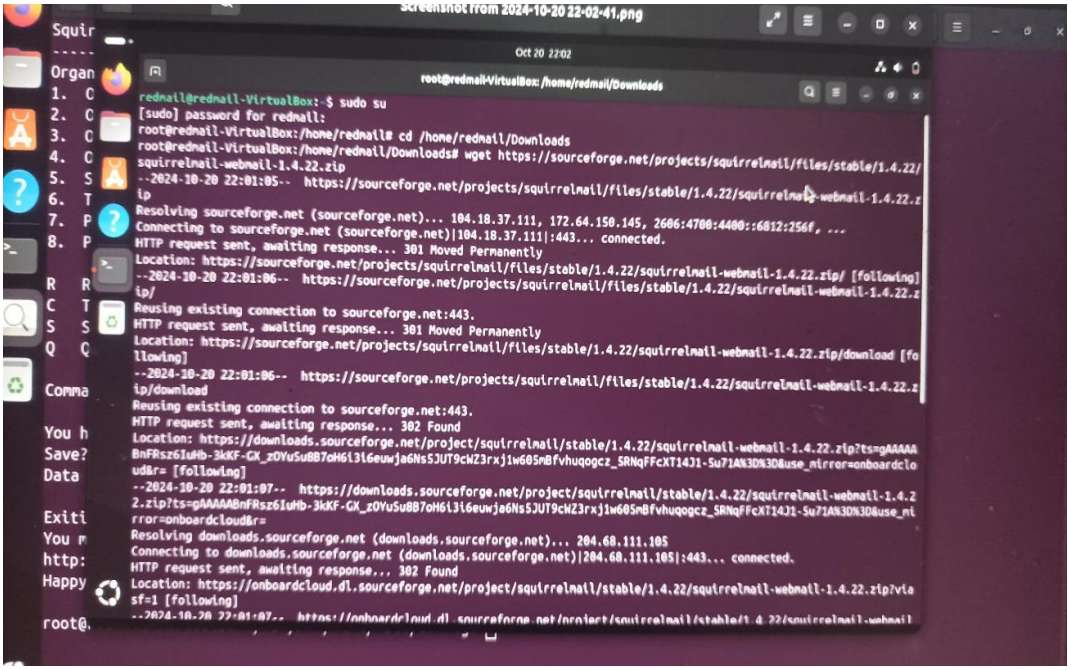
- see if the dovecot file exists by using the command "cd /etc/dovecot/conf.d" and then see using the command "ls" and go to the configuration using the command "nano 10 -mail.conf"
- change mail location to "maildir:~/Maildir"



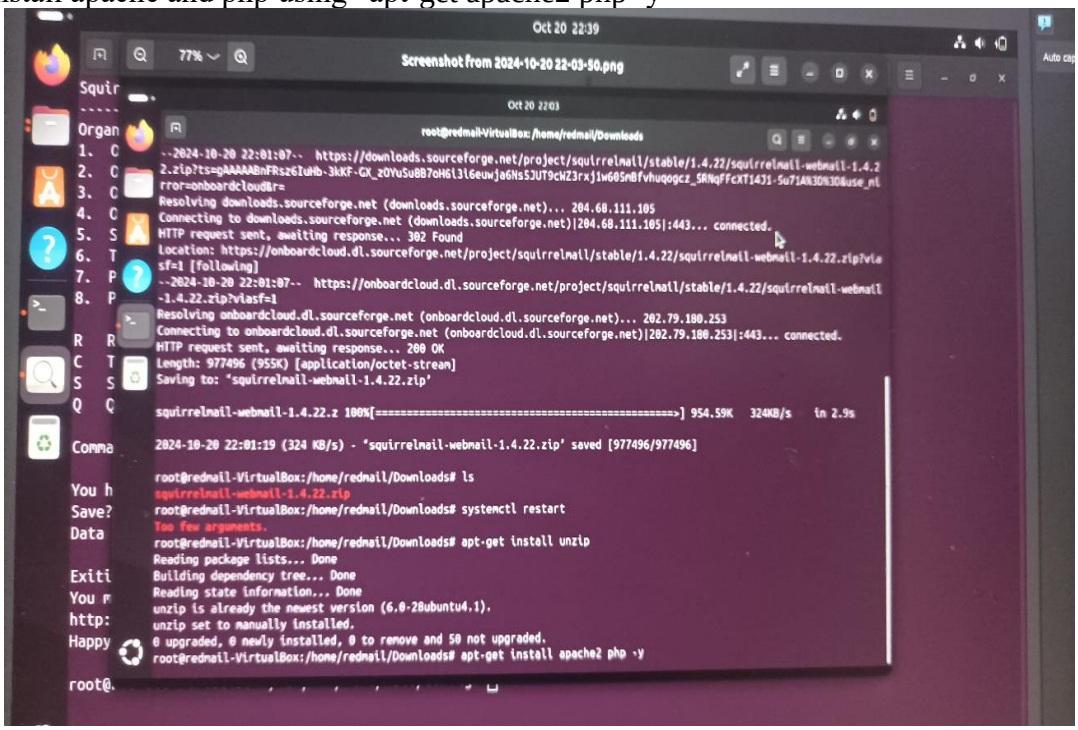
- Restart Dovecot using “systemctl restart dovecot”
- Enter the main menu using the "cd" command and then add a user using the "adduser name" command



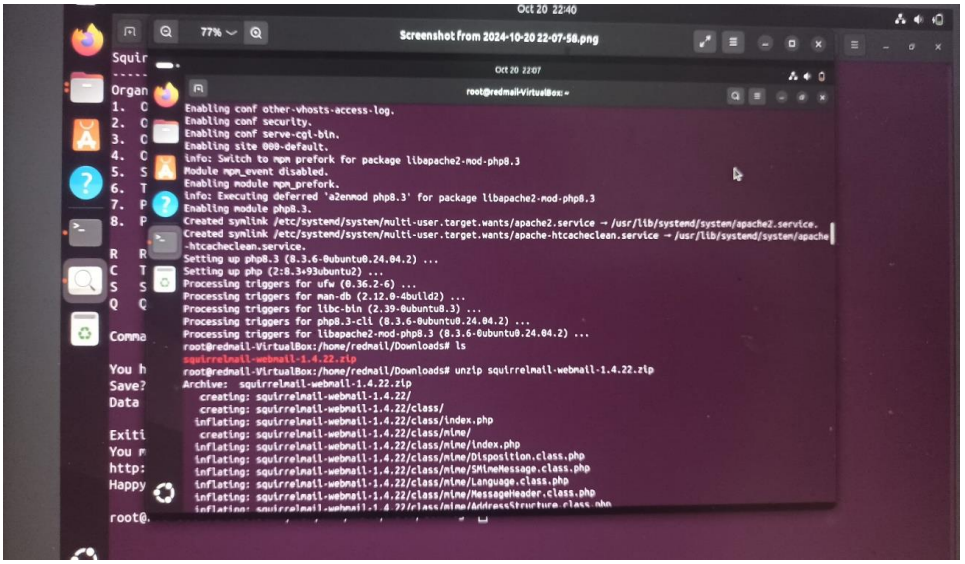
- Check whether the user already exists by entering the command "nano /etc/group"
- then change the host by entering "nano /etc/hosts" then change the host by entering "nano /etc/hosts" and enter host 127.0.0.1 and enter the desired host "for example piramanuk.com"
- try sending an email with the command "telnet domain name (eg piramanuk.com) smtp"
- then we install squirrelmail by entering the command “cd /home/folder name in ubuntu/downloads” then we install squirellmail by entering the command cd /home/foldername onubuntu/downloads and enter the command "wget https://sourceforge.net/projects/squirrelmail/files/stable/1.4.22/squirrelmail-webmail-1.4.22.zip"



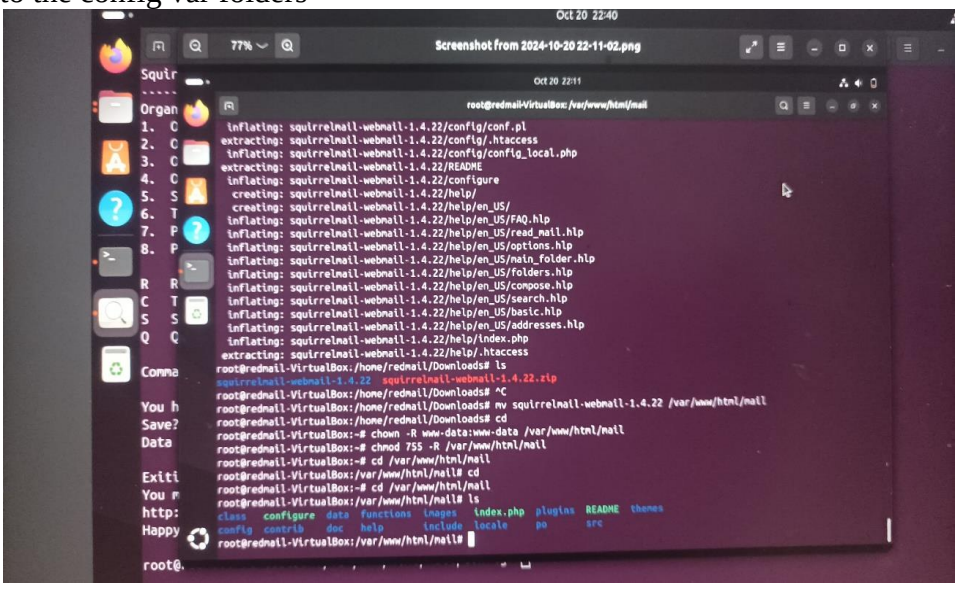
- Install unzip using “apt-get install unzip”
- Install apache and php using “apt-get apache2 php -y”



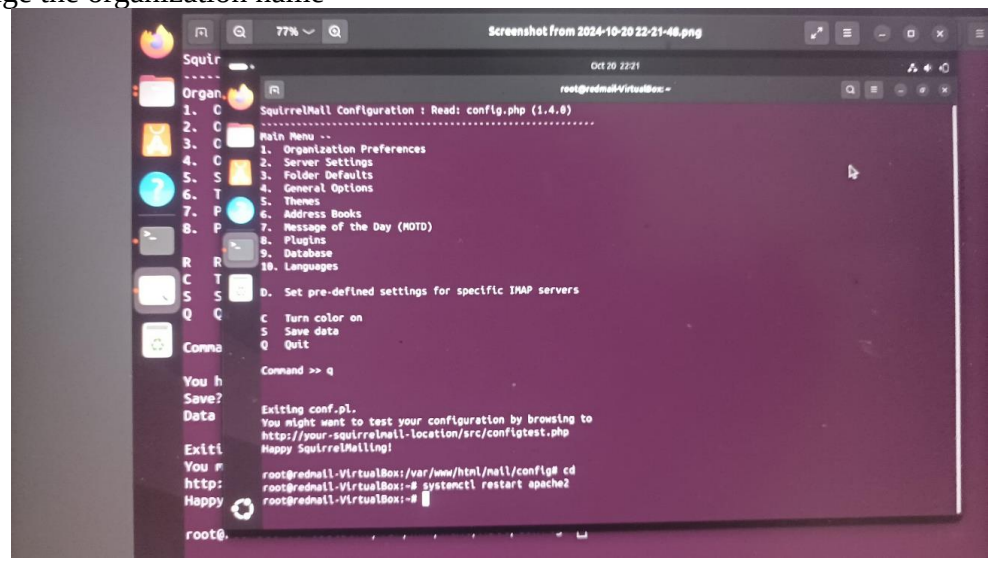
- Unzip Squirrelmail

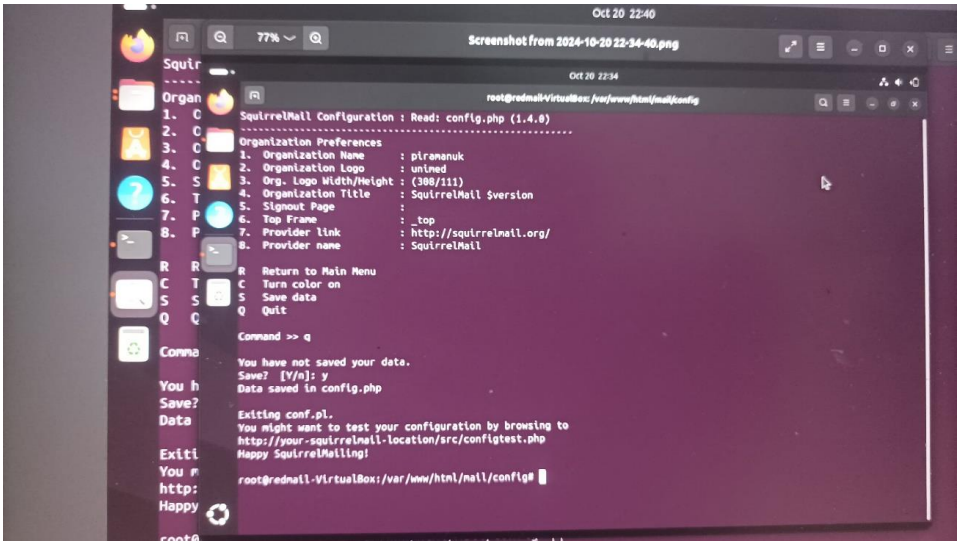


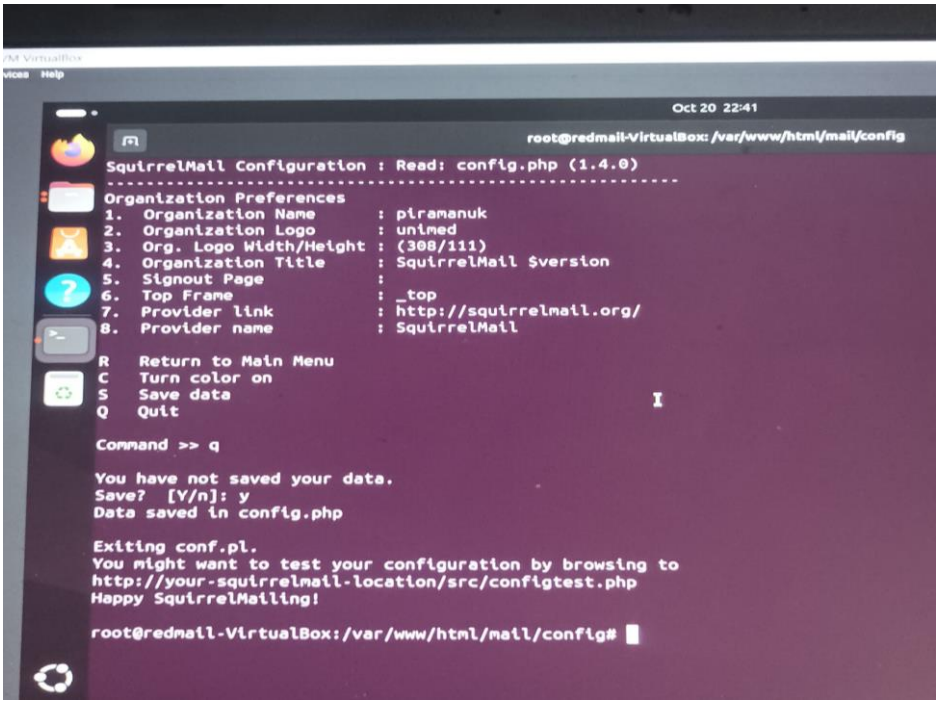
- Enter to the config var folders



- Change the organization name







- And change the organization logo

CONCLUSION

RedMail is an efficient solution for managing email services on servers with the Ubuntu operating system. With a user-friendly interface and a relatively easy installation process, RedMail allows users to comprehensively configure the email server. Features such as domain settings, user management, and support for IMAP and SMTP protocols make it a flexible choice for both personal and business purposes.

In addition, RedMail offers strong security with SSL/TLS support and spam filtering features. The available documentation also makes it easy for users to troubleshoot various issues and customize the configuration as needed.

However, it is important to consider server resources and regular maintenance to ensure optimal performance. Overall, RedMail is a solid choice for those who want to manage their own email services in the Ubuntu Linux environment.

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