

MAIL SERVER

MAIL Server for Linux/Unix

- **Sendmail**
- **Postfix**
- **Qmail**

The Qmail MTA is another alternative to sendmail. It is used by an impressive list of Internet sites.

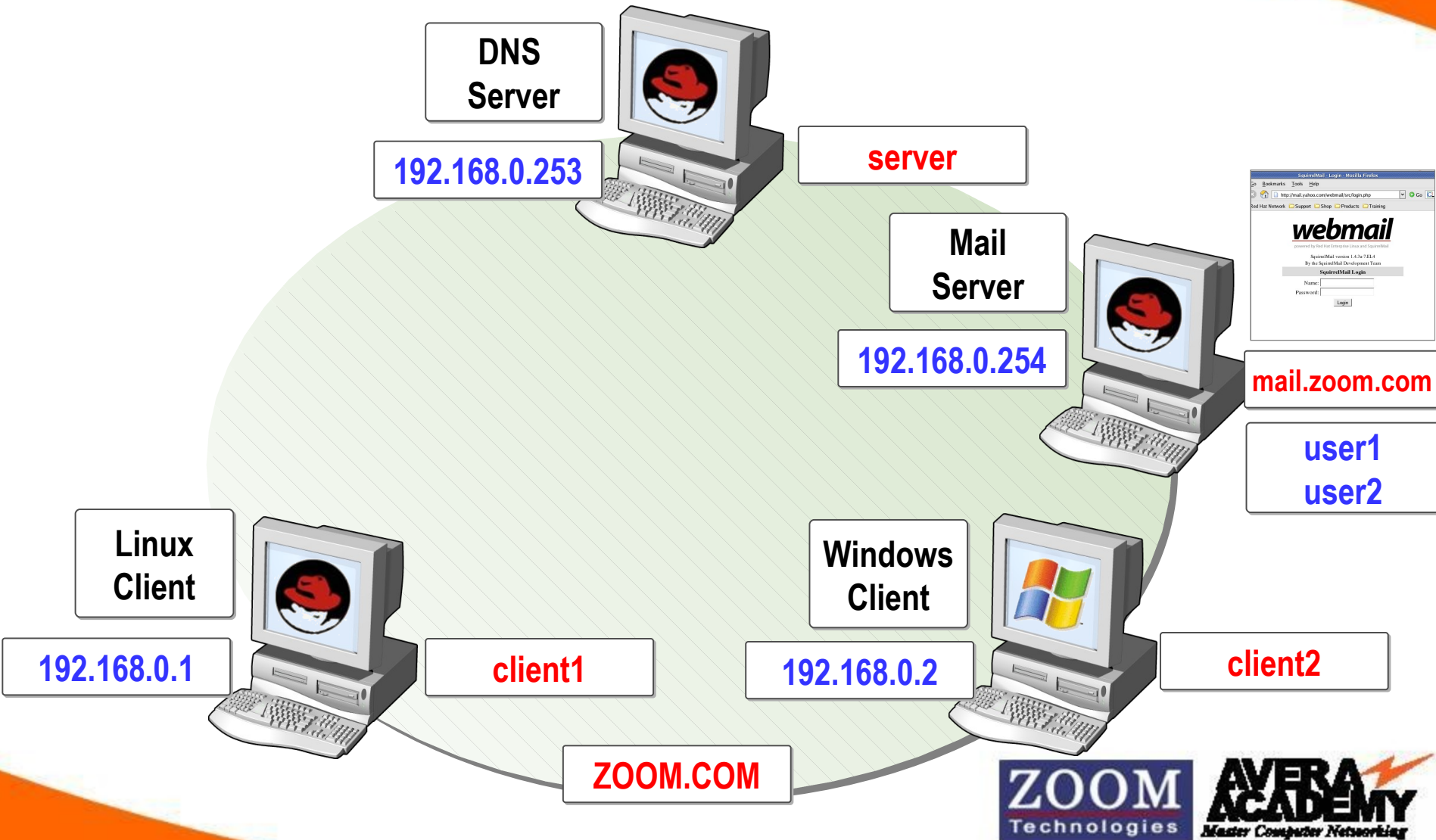
- **Smail**

It is reportedly easier to configure than sendmail. It also includes support for blocking messages.

- **Exim**

The Exim MTA was developed at Cambridge (U.K.) and is licensed under the GPL. While based on an older MTA known as Smail,

How Mail Server works ?



Requirements

- **Packages**

sendmail-8.13.1-2.i386.rpm

sendmail-cf-8.13.1-2.i386.rpm

sendmail-devel-8.13.1-2.i386.rpm

sendmail-doc-8.13.1-2.i386.rpm

m4-1.4.1-16.i386.rpm

- **Port Numbers**

25 Simple Mail Transfer Protocol

110 Post Office Protocol

143 Interim Mail Access Protocol

- **Configuration File**

/etc/mail/sendmail.mc

/etc/mail/sendmail.cf

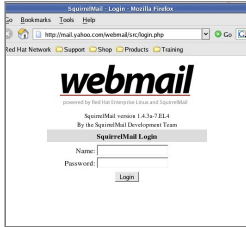
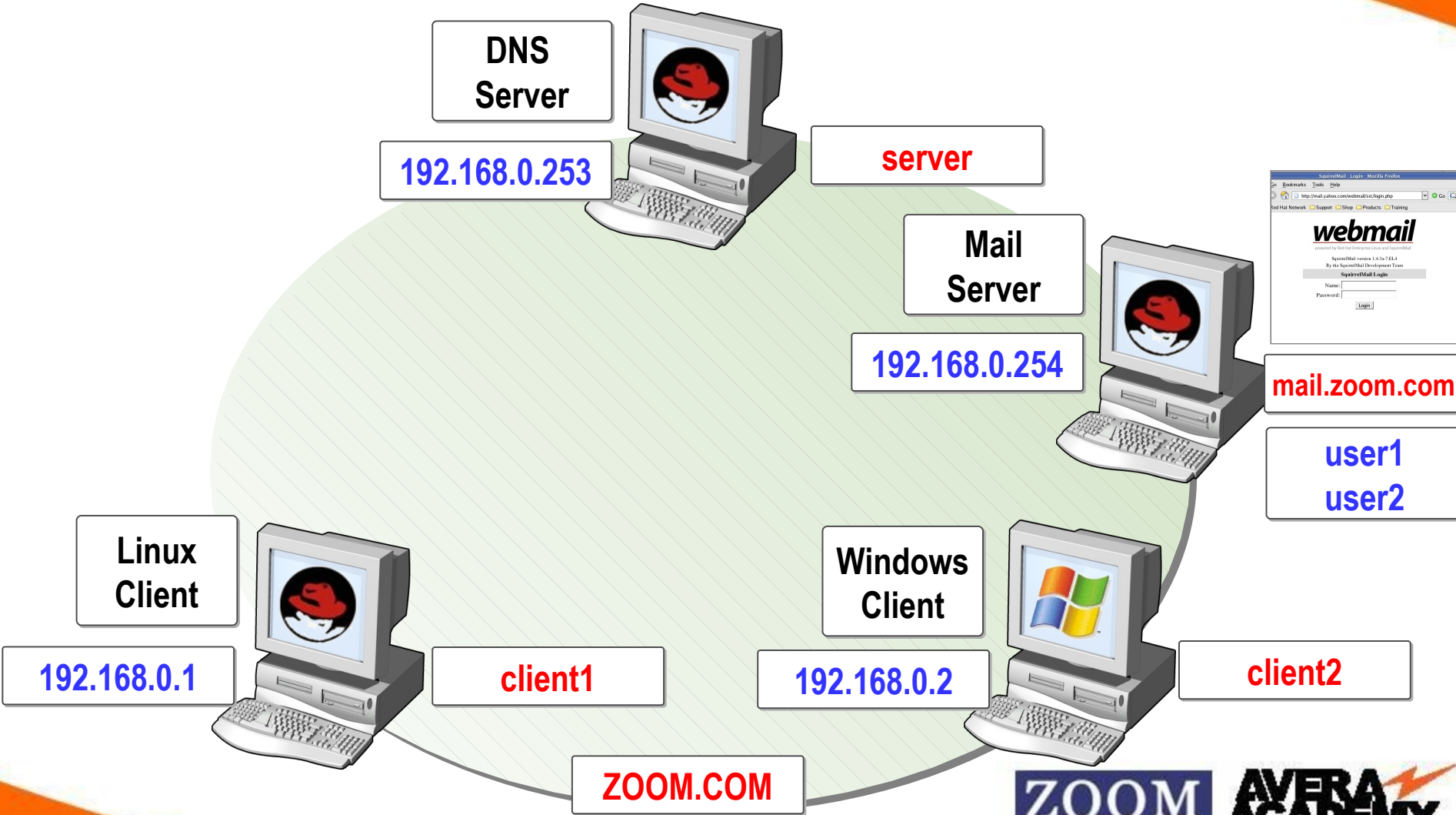
- **Service**

sendmail

- **Daemon**

sendmail

Mail Server Configuration



Configuring Mail Server

Install the package by using one of the installation methods

```
[root@comp1~]# mount 192.168.0.250:/var/ftp/pub/RedHat/RPMS/ /mnt  
[root@comp1 ~]# cd /mnt  
[root@comp1 ~]# rpm -ivh sendmail* m4* --force --aid
```

Open configuration for editing

```
[root@comp1~]# vi /etc/mail/sendmail.mc
```

/etc/mail/sendmail.mc

To change the options

```
dnl # DAEMON_OPTIONS(`Port=smtp,Addr=127.0.0.1,  
Name=MTA')dnl  
LOCAL_DOMAIN(`mail.zoom.com')dnl
```

Mail Server

To compile the file

```
[root@comp1 ~]# m4 /etc/mail/sendmail.mc >  
/etc/mail/sendmail.cf
```

To restart the mail services

```
[root@comp1 ~]# service sendmail restart
```


To create users

```
[root@comp1 ~]#useradd user1
```

```
[root@comp1 ~]#useradd user2
```

Testing Mail Server

To send mail from one user to another

```
[root@comp1 ~]#mail user1
  Subject: Test Message
  Hi
  this is to test the mail
  .
  Cc:
[root@comp1 ~]#
```

To check mail as a user

```
[root@comp1 ~]#su - user1
[user1@comp1 ~]$mail
```

Configuring DNS Server

Install the package by using one of the installation methods

```
[root@comp1~]# mount 192.168.0.250:/var/ftp/pub/RedHat/RPMS/ /mnt  
[root@comp1 ~]# cd /mnt  
[root@comp1 ~]# rpm -ivh bind* caching* --force --aid
```

Open configuration for editing

```
[root@comp1~]# vi /etc/named.conf
```

`/etc/named.conf`

To change the options

```
zone "zoom.com" IN {  
    type master;  
    file "zoom.for";  
};
```

Configuring Forward Lookup

Copying Forward lookup zone file

```
[root@comp1 ~]# cd /var/named/chroot/var/named/  
[root@comp1 named]# cp localhost.zone zoom.for
```

Open configuration for editing

```
[root@comp1 named]# vi zoom.for
```

/var/named/chroot/var/named/zoom.for

To add the options

\$TTL 86400

```
@           IN       SOA    server.zoom.com. root.zoom.com.(  
                                     42      ; serial (d. adams)  
                                     3H      ; refresh  
                                     15M     ; retry  
                                     1W      ; expiry  
                                     1D )    ; minimum  
  
           IN       NS      server.zoom.com.  
  
server     IN       A       192.168.0.253  
  
server2   IN       A       192.168.0.254  
  
mail      IN       CNAME  server  
  
           IN       MX    5     mail
```

Configuring DNS Server IP address

Open configuration for editing

```
[root@comp1 ~]# vi /etc/resolv.conf
```

Add the DNS server IP address in file /etc/resolv.conf

```
nameserver 192.168.0.253
```

DNS Server

To restart the DNS services

```
[root@comp1 ~]# service named restart
```


Checking from DNS Server

Checking Forward Lookup

```
[root@comp1 ~]# dig mail.zoom.com
```

Checking Name resolution

```
[root@comp1 ~]# ping mail.zoom.com
```

Squirrel Mail Configuration

Requirements

- **Packages**

squirrelmail-1.4.3a-7.EL4.noarch.rpm

dovecot-0.99.11-2.EL4.1.i386.rpm

curl*

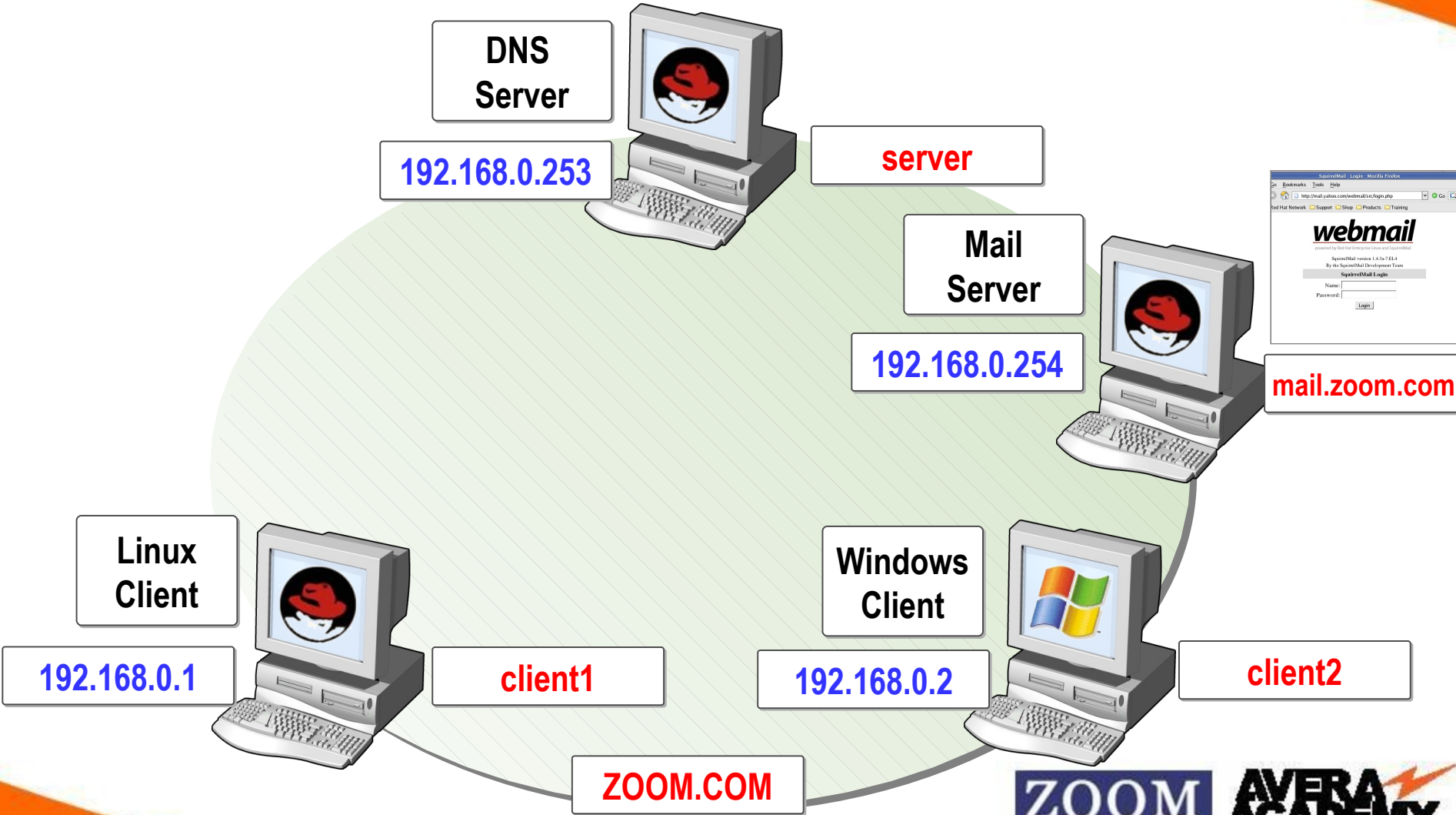
php*

perl*

cyrus*

httpd*

Squirrel Mail Configuration



Configuring Squirrel Mail

Install the package by using one of the installation methods

```
[root@comp1~]# mount 192.168.0.250:/var/ftp/pub/RedHat/RPMS/ /mnt
[root@comp1 ~]# cd /mnt
[root@comp1 ~]# rpm -ivh squirrel* php* perl* curl* dove* cyrus* httpd*
--force --aid
```

To restart services

```
[root@comp1 ~]# service httpd restart
```

```
[root@comp1 ~]# service dovecot restart
```

```
[root@comp1 ~]# service cyrus-imapd restart
```

```
[root@comp1 ~]# service saslauthd restart
```

Configuring DNS on Client

Open configuration for editing

```
[root@comp1 ~]# vi /etc/resolv.conf
```

Add the DNS server IP address in file /etc/resolv.conf

```
nameserver 192.168.0.253
```

Accessing Webmail

- Open '**Mozilla**' or '**Fire Fox**' browser.
- In the address box type '**http://mail.zoom.com/webmail**' or '**http://192.168.0.254/webmail**'



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How Mail Server works ?

Forward zone	zoom.com	Server2	192.168.0.254
		mail	192.168.0.254
		Server	192.168.0.253

DNS Server

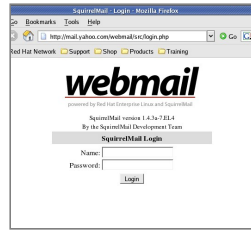
192.168.0.253



server

Mail Server

192.168.0.254



mail.zoom.com

user1
user2

I'm looking for mail.zoom.com

Here's address of mail.zoom.com
192.168.0.254

Web Request for mail.zoom.com

Web Reply from mail.zoom.com

Linux Client

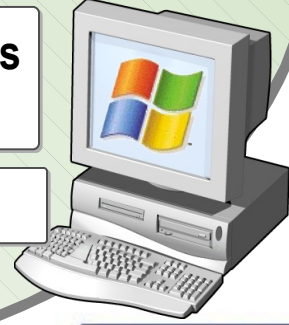
192.168.0.1



client1

Windows Client

192.168.0.2



client2

ZOOM.COM



webmail

powered by Red Hat Enterprise Linux and SquirrelMail

SquirrelMail version 1.4.3a-7.EL4
By the SquirrelMail Development Team

SquirrelMail Login

Name:

Password:

Login

Folders

Last Refresh:
Wed, 4:33 pm
(refresh folder list)

- INBOX**
- Drafts
- Sent
- Trash

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

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

[Toggle All](#)

Move Selected To: INBOX Move Forward Transform Selected Messages: Read Unread Delete

[Thread View](#)

From <input type="checkbox"/>	Date <input type="checkbox"/>	Subject <input type="checkbox"/>
--------------------------------------	--------------------------------------	-----------------------------------------

THIS FOLDER IS EMPTY

Folders

Last Refresh:

Thu, 3:28 pm

[\(refresh folder list\)](#)**INBOX** (1)

Drafts

Sent

Trash (purge)

Current Folder: **INBOX**[Sign Out](#)[Compose](#) [Addresses](#) [Folders](#) [Options](#) [Search](#) [Help](#)[SquirrelMail](#)To: **user2@mail.zoom.com**

CC:

BCC:

Subject: **Test Mail**Priority: Normal Receipt: On Read On Delivery

Signature

Addresses

Save Draft

Send

Check Spelling

Hello,**This is the test mail****Regards****User1**

Folders

Last Refresh:
Wed, 4:33 pm
(refresh folder list)

- INBOX**
- Drafts
- Sent
- Trash

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

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

[Toggle All](#)

Move Selected To:

Transform Selected Messages:

[Thread View](#)

<input type="checkbox"/> From	Date ▲	<input type="checkbox"/> Subject
THIS FOLDER IS EMPTY		

Sign Out

You have been successfully signed out.

[Click here to log back in.](#)

webmail

powered by Red Hat Enterprise Linux and SquirrelMail

SquirrelMail version 1.4.3a-7.EL4
By the SquirrelMail Development Team

SquirrelMail Login

Name:

Password:

Login

Folders

Last Refresh:

Thu, 2:51 pm

[\(refresh folder list\)](#)**INBOX**

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:

INBOX

Move

Forward

Transform Selected Messages:

Read

Unread

Delete

[Thread View](#)**From** **Date** ▲**Subject** **user1****2.45 pm**[Test Mail](#)[Toggle All](#)Viewing Message: **1** (1 total)

Folders

Last Refresh:
Thu, 2:47 pm
(refresh folder list)

INBOX (1)

Drafts

Sent

Trash

Current Folder: **INBOX**

[Sign Out](#)

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

[SquirrelMail](#)

[Message List](#) | [Delete](#)

Previous | Next

[Forward](#) | [Forward as Attachment](#) | [Reply](#) | [Reply All](#)

Subject: Test Mail

From: "user1" <user1@mail.com.com>

Date: Thu, March 8, 2007 2:45 pm

To: user2@mail.zoom.com

Priority: Normal

Options: [View Full Header](#) [Printable Version](#)

Hello,

This is the test mail

Regards

User1

Sign Out

You have been successfully signed out.

[Click here to log back in.](#)