

# How To Install Open Source Zimbra Mail Server 8.8.15 on CentOS 8 / RHEL 8

Zimbra is one of the leading mail server used by many organizations, and it comes in two versions, Open Source, and Enterprise version.

The mailbox server includes the following volumes:

- Message Store. Mail message files are in `opt/zimbra/store`
- Data Store. The MySQL Database files are in `opt/zimbra/db`
- Index Store. Index files are in `opt/zimbra/index`
- Backup Area. Full and incremental backups are in `opt/zimbra/backup`

Log files. Each component in the Zimbra Collaboration Suite has log files. Local logs are in `/opt/zimbra/log`

## Note:

The system logs, the redo logs, and the backup disk should be on separate disks to minimize the possibility of unrecoverable data loss in the event that one of those disks fails.

## Requirements

- CentOS 8 / RHEL 8
- **8 GB RAM**
- **5 GB Free Space on /opt/Zimbra**
- 10 GB free disk space on /opt and /tmp
- Fully Qualified Domain Name (FQDN), in my case it is “mail.rashedacademy.xyz”
- A & MX record for your Server
- The firewall should be disabled

**Maintain the following Partition and Size for Minimal Zimbra Installation:**

**Partition and Required Size**

/	50 GB
boot	2 GB
Swap	2* RAM Size
/var	50 GB
/opt/zimbra	All Other free space

### **Step-1: Time, Date and Time Zone Configuration:**

```
#timedatectl set-timezone Asia/Dhaka
```

```
#timedatectl
```

### **Step-2: Set SELinux Off:**

```
#vi /etc/selinux/config
```

```
SELINUX=disabled
```

```
:x
```

```
#reboot
```

### **Step-03: Stop and disable the following Services**

```
#systemctl stop dovecot
```

```
#systemctl disable dovecot
```

```
#systemctl stop postfix
```

```
#systemctl disable postfix
```

```
#systemctl stop httpd
```

```
#systemctl disable httpd
```

### **Step-4: Hostname Configuration:**

```
#hostnamectl set-hostname mail.classroom.com
```

```
# logout
```

**Login again to check the effect**

```
#hostname
```

```
mail.classroom.com
```

### **Step-5: Network Configuration:**

To check the network cable connectivity:

```
#ethtool eno1 | grep Link
```

```
#vi /etc/sysconfig/network-scripts/ifcfg-eth0
```

```
TYPE=Ethernet
BOOTPROTO=static
DEFROUTE=yes
PEERDNS=yes
PEERROUTES=yes
IPV4_FAILURE_FATAL=no
NAME=eno1
UUID=5aa2eec7-7c7f-4d3e-a175-0d5b0b12eebc
DEVICE=eno1
ONBOOT=yes
IPADDR=103.110.49.150
NETMASK=255.255.255.252
GATEWAY=103.110.110.49.145
```

```
:x
```

```
#vi /etc/sysconfig/network-scripts/ifcfg-eth1
```

```
TYPE=Ethernet
BOOTPROTO=static
DEFROUTE=yes
PEERDNS=yes
PEERROUTES=yes
IPV4_FAILURE_FATAL=no
NAME=eno1
UUID=5aa2eec7-7c7f-4d3e-a175-0d5b0b12eebc
DEVICE=eno1
ONBOOT=yes
IPADDR=192.168.100.2
NETMASK=255.255.255.0
```

```
:x
```

```
#systemctl restart network
#dnf install -y net-tools
#ifconfig
```

### **Step-6: Update hosts file:**

```
# vim /etc/hosts
```

```
127.0.0.1  localhost localhost.localdomain localhost4 localhost4.localdomain4
```

```
103.110.49.150  mail.classroom.com mail
```

```
:x
```

### **To check the effect**

```
[root@mail ~]# hostname
```

```
mail.classroom.com
```

```
[root@mail ~]# hostname -d
```

```
classroom.com
```

```
[root@mail ~]# hostname -f
```

```
mail.classroom.com
```

## **Step-6: SSH Server Configuration:**

### **Create a new user for ssh secure login:**

```
#adduser system
```

```
#passwd system
```

### **Necessary Packages Install:**

```
#dnf -y install openssh-clients openssh-server
```

### **Edit the SSH Configuration File:**

```
#cd /etc/ssh/
```

```
#vi sshd_config
```

Port 6622 Change ssh port

PermitRootLogin no Deny root login

AllowUsers system zimbra Permit SSH Users

```
:x
```

### **Allow ssh port into the Firewall:**

```
#firewall-cmd --permanent --add-port=6622/tcp
```

```
#firewal-cmd --reload
```

```
#semanage port -a -t ssh_port_t -p tcp 6622
```

### **Restart SSH Service:**

```
#systemctl status sshd
```

```
#systemctl restart sshd
```

Try to login remotely

```
#ssh system@192.168.10.5 -p 6622
```

## **Step-7: DNS Server Configuration:**

### **Software Installation**

```
# dnf install -y bind bind-utils
```

```
# cd /etc/
```

```
# cp named.conf named.conf.ori
```

```
# vim /etc/named.conf
```

```
options {  
    listen-on port 53 { 127.0.0.1; 103.110.49.150; };  
    // listen-on-v6 port 53 { ::1; };
```

```
zone "classroom.com" IN {  
    type master;  
    file "forward.classroom.com";  
    allow-update { none; };  
};
```

```
include "/etc/named.rfc1912.zones";  
include "/etc/named.root.key";
```

```
:x
```

```
# cd /var/named/
```

```
# ls -la
```

```
-rw-r-----. 1 root named 152 Jun 21 2007 named.localhost  
-rw-r-----. 1 root named 168 Dec 15 2009 named.loopback
```

```
# cp named.localhost forward.classroom.com
```

```
[root@ns1 named]# vim forward.classroom.com
```

```
$TTL 1D
```

```
@      IN SOA  mail.classroom.com. root.classroom.com. (  
                                0      ; serial  
                                1D     ; refresh  
                                1H     ; retry  
                                1W     ; expire  
                                3H )   ; minimum  
NS     mail.classroom.com.  
A      103.110.49.150
```

```
@      IN     NS      mail.classroom.com.  
@      IN     MX      0 mail.classroom.com.  
ns1    IN     A       103.110.49.150  
mail   IN     A       103.110.49.150
```

```
:x
```

```
# chgrp named forward.classroom.com
```

```
#service named restart
```

### **To check DNS configuration**

```
# named-checkzone zone forward.classroom.com
```

```
zone zone/IN: loaded serial 0
```

```
OK
```

```
# named-checkconf -z /etc/named.conf
```

```
zone localhost.localdomain/IN: loaded serial 0
```

```
zone localhost/IN: loaded serial 0
```

```
zone keya-bd.com/IN: loaded serial 0
```

```
zone 1.0.0.127.in-addr.arpa/IN: loaded serial 0
```

```
zone 1.168.192.in-addr.arpa/IN: loaded serial 0
```



## **Restart the named service**

```
# systemctl restart named
```

```
# systemctl enable named
```

```
ln -s '/usr/lib/systemd/system/named.service' '/etc/systemd/system/multi-user.target.wants/named.service'
```

```
# vim /etc/resolv.conf
```

```
search classroom.com
```

```
nameserver current mail server IP
```

```
nameserver google public dns 8.8.8.8
```

```
:x
```

## **Check the DNS Services**

```
# nslookup -type=ns classroom.com
```

```
# nslookup -type=mx classroom.com
```

```
#nslookup mail.classroom.com
```

```
#dig classroom.com mx
```

```
#dig -t A mail.classroom.com
```

```
# dig -t MX classroom.com
```

```
# nslookup
```

```
> classroom.com
```

```
Server:      103.110.49.150
```

```
Address:     103.110.49.150#53
```

```
Non-authoritative answer:
```

```
Name:  classroom.com
```

```
Address: 103.110.49.150
```

```
> exit
```

### **Step-9: Disable sendmail or postfix service:**

```
#systemctl stop sendmail
```

```
#systemctl disable sendmail
```

```
#systemctl stop postfix
```

```
#systemctl disable postfix
```

### **Step-10: System Update and Install Packages:**

```
#dnf update -y
```

```
#dnf -y install perl perl-core screen w3m elinks unzip nmap sed nc sysstat libaio  
rsync telnet aspell wget ntpdate openssh-clients openssh-server
```

Check everything again

### **Step-10: ZIMBRA Installation:**

```
#mkdir /zimbra
```

```
#cd /zimbra
```

```
#wget https://files.zimbra.com/downloads/8.8.15_GA/zcs-  
8.8.15_GA_3953.RHEL8_64.20200629025823.tgz
```

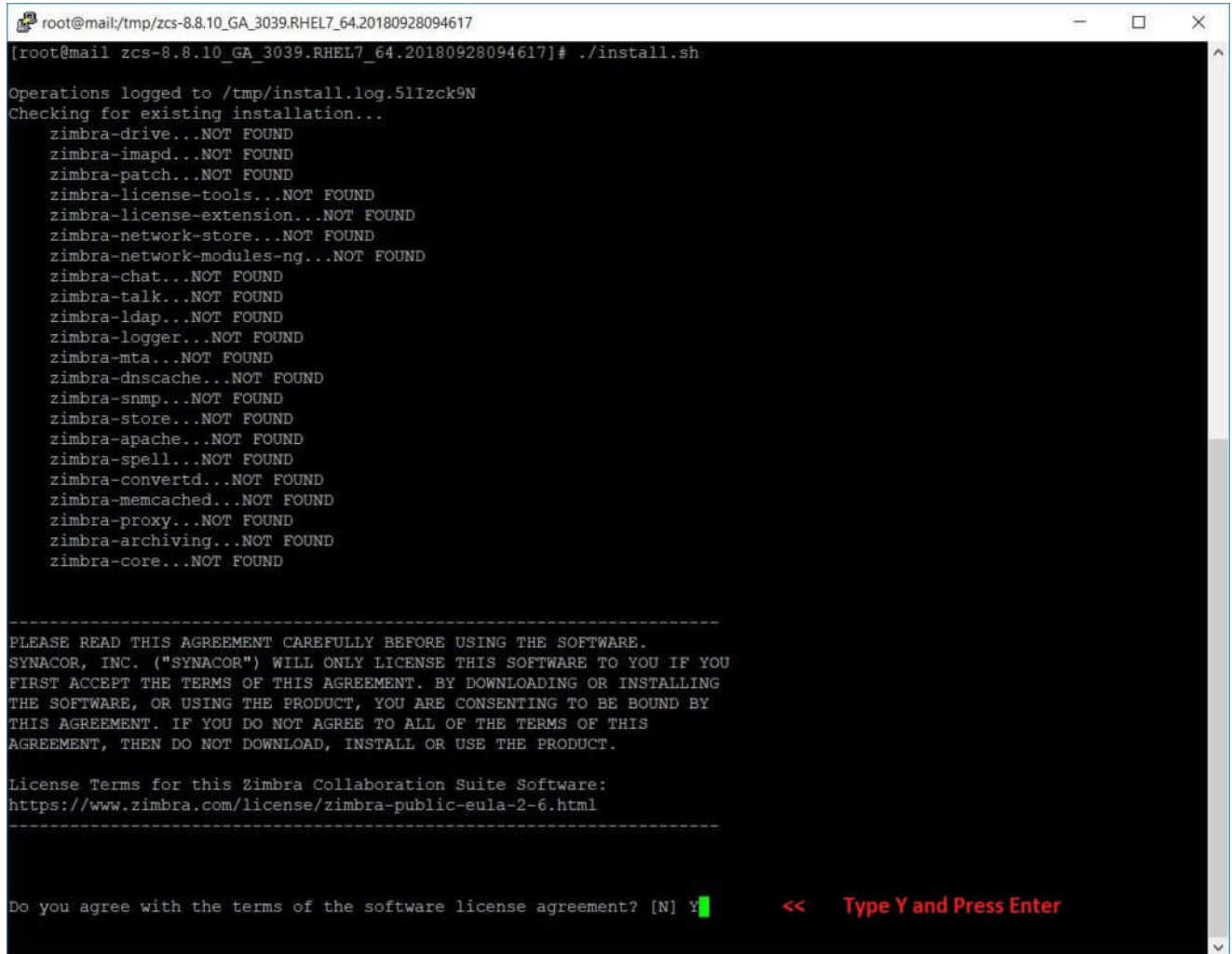
```
#tar -zxvf zcs-8.8.15_GA/zcs-8.8.15_GA_3953.RHEL8_64.20200629025823
```

```
#mv 8.8.15_GA/zcs-8.8.15_GA_3953.RHEL8_64.20200629025823 zimbra  
#cd zimbra
```

## #./install.sh

Once you execute the install script, you will get text-based installation wizard.

Press Y to accept the Zimbra license agreement.



```
root@mail:/tmp/zcs-8.8.10_GA_3039.RHEL7_64.20180928094617
[root@mail zcs-8.8.10_GA_3039.RHEL7_64.20180928094617]# ./install.sh

Operations logged to /tmp/install.log.5lIzck9N
Checking for existing installation...
  zimbra-drive...NOT FOUND
  zimbra-imapd...NOT FOUND
  zimbra-patch...NOT FOUND
  zimbra-license-tools...NOT FOUND
  zimbra-license-extension...NOT FOUND
  zimbra-network-store...NOT FOUND
  zimbra-network-modules-ng...NOT FOUND
  zimbra-chat...NOT FOUND
  zimbra-talk...NOT FOUND
  zimbra-ldap...NOT FOUND
  zimbra-logger...NOT FOUND
  zimbra-mta...NOT FOUND
  zimbra-dnscache...NOT FOUND
  zimbra-snmp...NOT FOUND
  zimbra-store...NOT FOUND
  zimbra-apache...NOT FOUND
  zimbra-spell...NOT FOUND
  zimbra-convertd...NOT FOUND
  zimbra-memcached...NOT FOUND
  zimbra-proxy...NOT FOUND
  zimbra-archiving...NOT FOUND
  zimbra-core...NOT FOUND

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License Terms for this Zimbra Collaboration Suite Software:
https://www.zimbra.com/license/zimbra-public-eula-2-6.html
-----

Do you agree with the terms of the software license agreement? [N] Y
```

Now Configure the Zimbra package repository.

```
Use Zimbra's package repository [Y] Y    <<  Type Y and Press Enter
Importing Zimbra GPG key
Configuring package repository
Checking for installable packages

Found zimbra-core (local)
Found zimbra-ldap (local)
Found zimbra-logger (local)
Found zimbra-mta (local)
Found zimbra-dnscache (local)
Found zimbra-snmp (local)
Found zimbra-store (local)
Found zimbra-apache (local)
Found zimbra-spell (local)
Found zimbra-memcached (repo)
Found zimbra-proxy (local)
Found zimbra-drive (repo)
Found zimbra-imapd (local)
Found zimbra-patch (repo)
```

### Press Y to all Zimbra Components to install.

Also, press Y to continue to download the Zimbra related packages. This task can take time depending upon on your internet speed.

Select the packages to install

Install zimbra-ldap [Y] y

Install zimbra-logger [Y] y

Install zimbra-mta [Y] y

Install zimbra-dnscache [Y] n

Install zimbra-snmp [Y] y

Install zimbra-store [Y] y

Install zimbra-apache [Y] y

Install zimbra-spell [Y] y

Install zimbra-memcached [Y] y

Install zimbra-proxy [Y] y

Install zimbra-drive [Y] n

Install zimbra-ldap (BETA – for evaluation only) [N] n

Install zimbra-chat [Y] N

Checking required space for zimbra-core

Checking space for zimbra-store

Checking required packages for zimbra-store

zimbra-store package check complete.

Installing:

zimbra-core

zimbra-ldap

zimbra-logger

zimbra-mta

zimbra-snmp

zimbra-store

zimbra-apache

zimbra-spell

zimbra-memcached

zimbra-proxy

zimbra-drive

zimbra-patch

zimbra-chat

The system will be modified. Continue? [N] y

Once all the Zimbra packages are download and installed, we will get the below window.

Enter the domain name for Zimbra installation.

DNS ERROR resolving MX for mail.developer.net

It is suggested that the domain name have an MX record configured in DNS

```
27.147.151.101 - ETCLBD - SSH Secure Shell
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zimbra-mbox-admin-console-war
zimbra-mbox-store-libs
zimbra-store
zimbra-apache
zimbra-spell
zimbra-proxy
...done

Installing extra packages (4):
zimbra-patch
zimbra-mta-patch
zimbra-proxy-patch
zimbra-chat
...done

Running Post Installation Configuration:
Operations logged to /tmp/zmsetup.20200729-182408.log
Installing LDAP configuration database...done.
Setting defaults...

DNS ERROR resolving MX for mail.etclbd.com
It is suggested that the domain name have an MX record configured in DNS
Change domain name? [Yes] Yes
Create domain: [mail.etclbd.com] etclbd.com

Connected to 27.147.151.101 SSH2 - aes128-cbc - hmac-sha1 - n 111x24
```

```
27.147.151.101 - ETCLBD - SSH Secure Shell
File Edit View Window Help
Quick Connect Profiles

5) Anti-virus quarantine user: virus-quarantine.lpsjv8bo@etclbd.com
6) Enable automated spam training: yes
7) Spam training user: spam.cpabz2l_@etclbd.com
8) Non-spam(Ham) training user: ham.kkw0_xl3wa@etclbd.com
9) SMTP host: mail.etclbd.com
10) Web server HTTP port: 8080
11) Web server HTTPS port: 8443
12) Web server mode: https
13) IMAP server port: 7143
14) IMAP server SSL port: 7993
15) POP server port: 7110
16) POP server SSL port: 7995
17) Use spell check server: yes
18) Spell server URL: http://mail.etclbd.com:7780/aspell.php
19) Enable version update checks: TRUE
20) Enable version update notifications: TRUE
21) Version update notification email: admin@etclbd.com
22) Version update source email: admin@etclbd.com
23) Install mailstore (service webapp): yes
24) Install UI (zimbra,zimbraAdmin webapps): yes

Select, or 'r' for previous menu [r] 3

Create admin user: [admin@etclbd.com] administrator@etclbd.com

Connected to 27.147.151.101 SSH2 - aes128-cbc - hmac-sha1 - n 111x24
```

```
27.147.151.101 - ETCLBD - SSH Secure Shell
File Edit View Window Help
Quick Connect Profiles

5) Anti-virus quarantine user: virus-quarantine.lpsjv8bo@etclbd.com
6) Enable automated spam training: yes
7) Spam training user: spam.cpabz21_@etclbd.com
8) Non-spam(Ham) training user: ham.kkw0_xl3wa@etclbd.com
9) SMTP host: mail.etclbd.com
10) Web server HTTP port: 8080
11) Web server HTTPS port: 8443
12) Web server mode: https
13) IMAP server port: 7143
14) IMAP server SSL port: 7993
15) POP server port: 7110
16) POP server SSL port: 7995
17) Use spell check server: yes
18) Spell server URL: http://mail.etclbd.com:7780/aspell.php
19) Enable version update checks: TRUE
20) Enable version update notifications: TRUE
21) Version update notification email: admin@etclbd.com
22) Version update source email: admin@etclbd.com
23) Install mailstore (service webapp): yes
24) Install UI (zimbra,zimbraAdmin webapps): yes

Select, or 'r' for previous menu [r] 21

Version update destination address: [admin@etclbd.com] administrator@etclbd.com
Connected to 27.147.151.101 SSH2 - aes128-cbc - hmac-sha1 - nr 111x24
```

```
27.147.151.101 - ETCLBD - SSH Secure Shell
File Edit View Window Help
Quick Connect Profiles

5) Anti-virus quarantine user: virus-quarantine.lpsjv8bo@etclbd.com
6) Enable automated spam training: yes
7) Spam training user: spam.cpabz21_@etclbd.com
8) Non-spam(Ham) training user: ham.kkw0_xl3wa@etclbd.com
9) SMTP host: mail.etclbd.com
10) Web server HTTP port: 8080
11) Web server HTTPS port: 8443
12) Web server mode: https
13) IMAP server port: 7143
14) IMAP server SSL port: 7993
15) POP server port: 7110
16) POP server SSL port: 7995
17) Use spell check server: yes
18) Spell server URL: http://mail.etclbd.com:7780/aspell.php
19) Enable version update checks: TRUE
20) Enable version update notifications: TRUE
21) Version update notification email: administrator@etclbd.com
22) Version update source email: admin@etclbd.com
23) Install mailstore (service webapp): yes
24) Install UI (zimbra,zimbraAdmin webapps): yes

Select, or 'r' for previous menu [r] 22

Version update source address: [admin@etclbd.com] administrator@etclbd.com
Connected to 27.147.151.101 SSH2 - aes128-cbc - hmac-sha1 - nr 111x24
```

```
27.147.151.101 - ETCLBD - SSH Secure Shell
File Edit View Window Help
Quick Connect Profiles

5) Anti-virus quarantine user: virus-quarantine.lpsjv8bo@etclbd.com
6) Enable automated spam training: yes
7) Spam training user: spam.cpabz21_@etclbd.com
8) Non-spam(Ham) training user: ham.kkw0_xl3wa@etclbd.com
9) SMTP host: mail.etclbd.com
10) Web server HTTP port: 8080
11) Web server HTTPS port: 8443
12) Web server mode: https
13) IMAP server port: 7143
14) IMAP server SSL port: 7993
15) POP server port: 7110
16) POP server SSL port: 7995
17) Use spell check server: yes
18) Spell server URL: http://mail.etclbd.com:7780/aspell.php
19) Enable version update checks: TRUE
20) Enable version update notifications: TRUE
21) Version update notification email: administrator@etclbd.com
22) Version update source email: administrator@etclbd.com
23) Install mailstore (service webapp): yes
24) Install UI (zimbra,zimbraAdmin webapps): yes

Select, or 'r' for previous menu [r] 12

Please enter the web server mode (http,https,both,mixed,redirect) [https] both

Connected to 27.147.151.101 SSH2 - aes128-cbc - hmac-sha1 - n 111x24
```

```
27.147.151.101 - ETCLBD - SSH Secure Shell
File Edit View Window Help
Quick Connect Profiles

7) zimbra-spell: Enabled
8) zimbra-proxy: Enabled
9) Default Class of Service Configuration:
s) Save config to file
x) Expand menu
q) Quit

*** CONFIGURATION COMPLETE - press 'a' to apply
Select from menu, or press 'a' to apply config (? - help) 1

Common configuration

1) Hostname: mail.etclbd.com
2) Ldap master host: mail.etclbd.com
3) Ldap port: 389
4) Ldap Admin password: set
5) Store ephemeral attributes outside Ldap: no
6) Secure interprocess communications: yes
7) TimeZone: Asia/Almaty
8) IP Mode: ipv4
9) Default SSL digest: sha256

Select, or 'r' for previous menu [r] 7

Connected to 27.147.151.101 SSH2 - aes128-cbc - hmac-sha1 - n 111x24
```



```
27.147.151.101 - ETCLBD - SSH Secure Shell
File Edit View Window Help
Quick Connect Profiles

114 Europe/London
115 Europe/Minsk
116 Europe/Moscow
117 Europe/Samara
118 Europe/Saratov
119 Europe/Volgograd
120 Europe/Warsaw
121 Indian/Mauritius
122 Pacific/Apia
123 Pacific/Auckland
124 Pacific/Bougainville
125 Pacific/Chatham
126 Pacific/Easter
127 Pacific/Fiji
128 Pacific/Guadalcanal
129 Pacific/Guam
130 Pacific/Honolulu
131 Pacific/Kiritimati
132 Pacific/Marquesas
133 Pacific/Midway
134 Pacific/Norfolk
135 Pacific/Tongatapu
136 UTC
Enter the number for the local timezone: [46] 56
Connected to 27.147.151.101 SSH2 - aes128-cbc - hmac-sha1 - nc 111x24
```

```
27.147.151.101 - ETCLBD - SSH Secure Shell
File Edit View Window Help
Quick Connect Profiles

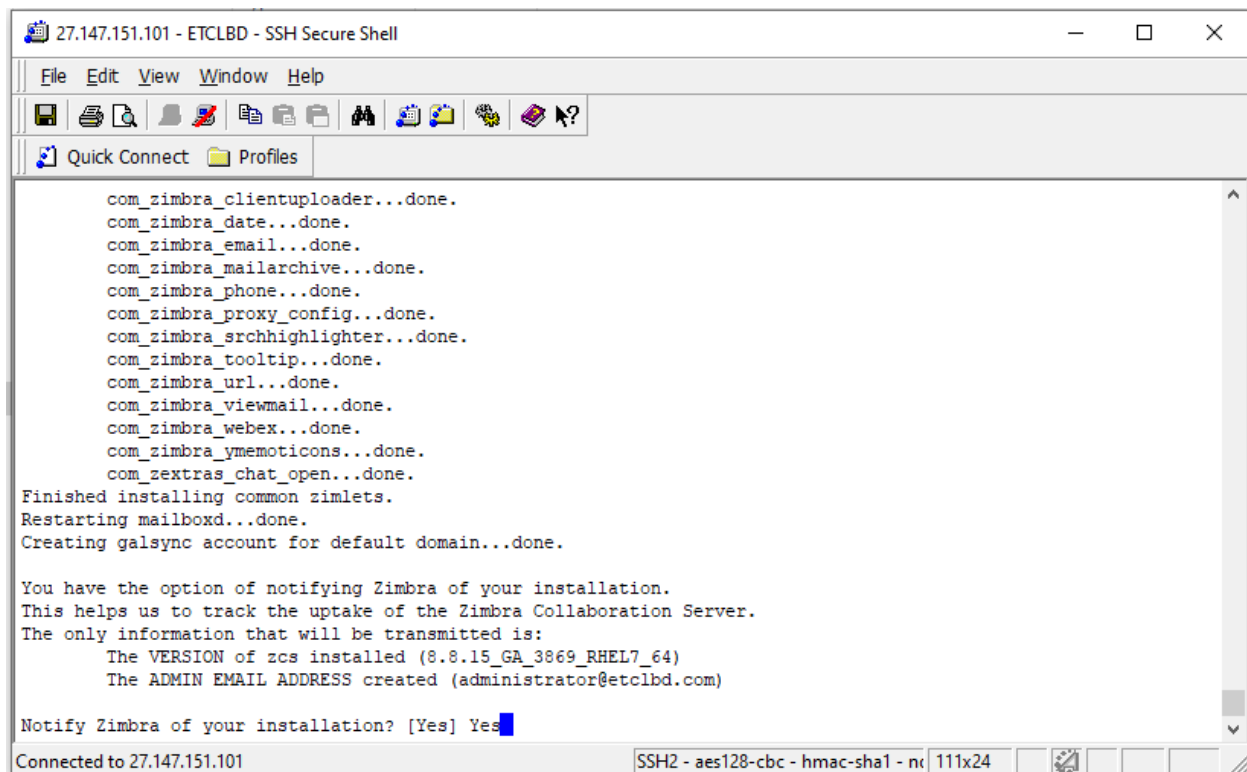
7) TimeZone: Asia/Dhaka
8) IP Mode: ipv4
9) Default SSL digest: sha256

Select, or 'r' for previous menu [r] r

Main menu

1) Common Configuration:
2) zimbra-ldap: Enabled
3) zimbra-logger: Enabled
4) zimbra-mta: Enabled
5) zimbra-snmp: Enabled
6) zimbra-store: Enabled
7) zimbra-spell: Enabled
8) zimbra-proxy: Enabled
9) Default Class of Service Configuration:
s) Save config to file
x) Expand menu
q) Quit

*** CONFIGURATION COMPLETE - press 'a' to apply
Select from menu, or press 'a' to apply config (? - help) a
Save configuration data to a file? [Yes] Yes
Connected to 27.147.151.101 SSH2 - aes128-cbc - hmac-sha1 - nc 111x24
```



The screenshot shows an SSH terminal window titled "27.147.151.101 - ETCLBD - SSH Secure Shell". The window has a menu bar with "File", "Edit", "View", "Window", and "Help". Below the menu bar is a toolbar with various icons. The main area of the terminal displays the output of a Zimbra installation script. The output lists the completion of various components: com\_zimbra\_clientuploader, com\_zimbra\_date, com\_zimbra\_email, com\_zimbra\_mailarchive, com\_zimbra\_phone, com\_zimbra\_proxy\_config, com\_zimbra\_srchhighlighter, com\_zimbra\_tooltip, com\_zimbra\_url, com\_zimbra\_viewmail, com\_zimbra\_webex, com\_zimbra\_ymemoticons, and com\_zextras\_chat\_open. It then states "Finished installing common zimlets.", "Restarting mailboxd...", and "Creating galsync account for default domain...". A message follows: "You have the option of notifying Zimbra of your installation. This helps us to track the uptake of the Zimbra Collaboration Server. The only information that will be transmitted is: The VERSION of zcs installed (8.8.15\_GA\_3869\_RHEL7\_64) The ADMIN EMAIL ADDRESS created (administrator@etclbd.com)". The prompt "Notify Zimbra of your installation? [Yes] Yes" is shown with the cursor on the second "Yes". The status bar at the bottom indicates "Connected to 27.147.151.101" and "SSH2 - aes128-cbc - hmac-sha1 - n... 111x24".

```
com_zimbra_clientuploader...done.
com_zimbra_date...done.
com_zimbra_email...done.
com_zimbra_mailarchive...done.
com_zimbra_phone...done.
com_zimbra_proxy_config...done.
com_zimbra_srchhighlighter...done.
com_zimbra_tooltip...done.
com_zimbra_url...done.
com_zimbra_viewmail...done.
com_zimbra_webex...done.
com_zimbra_ymemoticons...done.
com_zextras_chat_open...done.
Finished installing common zimlets.
Restarting mailboxd...done.
Creating galsync account for default domain...done.

You have the option of notifying Zimbra of your installation.
This helps us to track the uptake of the Zimbra Collaboration Server.
The only information that will be transmitted is:
  The VERSION of zcs installed (8.8.15_GA_3869_RHEL7_64)
  The ADMIN EMAIL ADDRESS created (administrator@etclbd.com)

Notify Zimbra of your installation? [Yes] Yes
```

Connected to 27.147.151.101 SSH2 - aes128-cbc - hmac-sha1 - n... 111x24

Upon successful completion of configuration and starting the services, you will get the output something like below.

```
root@mail: /tmp/zcs-8.8.10_GA_3039_UBUNTU16_64.20180928094617
Enabling IMAP protocol for zimbra-imapd service...done.
Enabling IMAPS protocol for zimbra-imapd service...done.
Starting servers...done.
Installing common zimlets...
  com_zimbra_proxy_config...done.
  com_zimbra_ymemoticons...done.
  com_zimbra_mallarchive...done.
  com_zimbra_tooltip...done.
  com_zimbra_attachmail...done.
  com_zimbra_adminversioncheck...done.
  com_zimbra_srchhighlighter...done.
  com_zimbra_cert_manager...done.
  com_zimbra_date...done.
  com_zextras_chat_open...done.
  com_zextras_drive_open...done.
  com_zimbra_viewmail...done.
  com_zimbra_webex...done.
  com_zimbra_attachcontacts...done.
  com_zimbra_clientuploader...done.
  com_zimbra_phone...done.
  com_zimbra_email...done.
  com_zimbra_bulkprovision...done.
  com_zimbra_url...done.
Finished installing common zimlets.
Restarting mailboxd...done.
Creating galsync account for default domain...done.

You have the option of notifying Zimbra of your installation.
This helps us to track the uptake of the Zimbra Collaboration Server.
The only information that will be transmitted is:
  The VERSION of zcs installed (8.8.10_GA_3039_UBUNTU16_64)
  The ADMIN EMAIL ADDRESS created (admin@blog.local)

Notify Zimbra of your installation? [Yes] Yes
Notifying Zimbra of installation via http://www.zimbra.com/cgi-bin/notify.cgi?VER=8.8.10_GA_3039_UBUNTU16_64&MAIL=admin@blog.local

Notification complete

Checking if the NG started running...done.
Setting up zimbra crontab...done.

Moving /tmp/zmsetup.20181206-201632.log to /opt/zimbra/log

Configuration complete - press return to exit
```

## Verify Zimbra Services

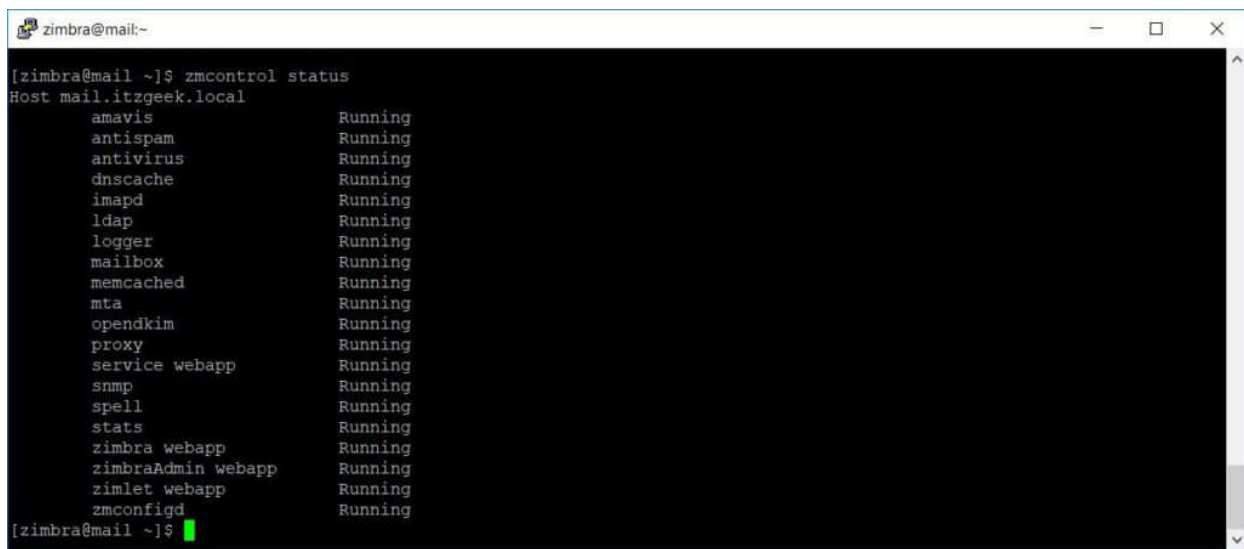
To check the Zimbra services status from the command line, you would need to switch to zimbra user.

**# su – zimbra**

Then, run the following command.

**\$ zmcontrol status**

### **Output:**



```
[zimbra@mail ~]$ zmcontrol status
Host mail.itzgeek.local
  amavis           Running
  antispam         Running
  antiviral        Running
  dnscache         Running
  imapd           Running
  ldap            Running
  logger          Running
  mailbox         Running
  memcached       Running
  mta             Running
  opendkim        Running
  proxy           Running
  service webapp   Running
  snmp            Running
  spell           Running
  stats           Running
  zimbra webapp    Running
  zimbraAdmin webapp Running
  zimlet webapp    Running
  zmconfigd       Running
```

### Zimbra Mail Services Status

If required, you can restart the Zimbra Services using the following command.

**\$ zmcontrol restart**

### **Output:**

```
zimbra@mail:~  
[zimbra@mail ~]$ zmcontrol restart  
Host mail.itzgeek.local  
  Stopping zmconfigd...Done.  
  Stopping imapd...Done.  
  Stopping zimlet webapp...Done.  
  Stopping zimbraAdmin webapp...Done.  
  Stopping zimbra webapp...Done.  
  Stopping service webapp...Done.  
  Stopping stats...Done.  
  Stopping mta...Done.  
  Stopping spell...Done.  
  Stopping snmp...Done.  
  Stopping cbpolicyd...Done.  
  Stopping archiving...Done.  
  Stopping opendkim...Done.  
  Stopping amavis...Done.  
  Stopping antivirus...Done.  
  Stopping antispam...Done.  
  Stopping proxy...Done.  
  Stopping memcached...Done.  
  Stopping mailbox...Done.  
  Stopping logger...Done.  
  Stopping dnscache...Done.  
  Stopping ldap...Done.  
Host mail.itzgeek.local  
  Starting ldap...Done.  
  Starting zmconfigd...Done.  
  Starting dnscache...Done.  
  Starting logger...Done.  
  Starting mailbox...Done.  
  Starting memcached...Done.  
  Starting proxy...Done.  
  Starting amavis...Done.  
  Starting antispam...Done.  
  Starting antivirus...Done.  
  Starting opendkim...Done.  
  Starting snmp...Done.  
  Starting spell...Done.  
  Starting mta...Done.  
  Starting stats...Done.  
  Starting service webapp...Done.  
  Starting zimbra webapp...Done.  
  Starting zimbraAdmin webapp...Done.  
  Starting zimlet webapp...Done.  
  Starting imapd...Done.  
[zimbra@mail ~]$
```

## Restarting Zimbra Server

\$ `postqueue -f`

\$ `mailq`

\$ `logout`