

Zimbra Installation Document

BHUTAN TELECOM

Last Updated: 20th Jan 2026

Prepared By -

Tetra Information Team

CAUTION

This document is released by **Tetra Information Services Pvt. Ltd**

The information contained in this document is confidential, and no part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written consent.

Document Control**Document No. Tetra_Doc1****Version No. Final****Prepared By Tetra Information Team****Release Date 20th January 2026****Revision Control Information File Name:****BHUTAN ZIMBRA INSTALLATION.pdf****Remarks****Installation Document****Table of Contents**

1 Zimbra Installation.....	3
2 LDAP Installation.....	3
3 MTA Installation.....	7
4 Installing Zimbra MailBox Server.....	10
5 Zimbra Archive Server Installation.....	15
6 LDS Server Installation.....	20

1. Configure local DNS

10.10.100.132 ha1.bt.bt
10.10.100.133 ha2.bt.bt
10.10.100.137 mta1.bt.bt
10.10.100.141 mta2.bt.bt
10.10.100.138 ldap1.bt.bt
10.10.100.140 ldap2.bt.bt
10.10.100.136 mailbox.bt.bt
10.10.100.139 archive.bt.bt

1. LDAP installation

- Install basic package (perl)
- Add entry in /etc/hosts file
- Download zimbra tar file and extract the file

```
root@ldap1:~/zcs-NETWORK x + v
root@ldap1:~# wget https://files.zimbra.com/downloads/10.1.0_GA/zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz
--2025-04-10 05:49:19-- https://files.zimbra.com/downloads/10.1.0_GA/zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz
Resolving files.zimbra.com (files.zimbra.com)... 18.164.199.225
Connecting to files.zimbra.com (files.zimbra.com)[18.164.199.225]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 437395011 (417M) [application/x-tar]
Saving to: 'zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz'

zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64 100%[=====] 417.13M  3.97MB/s   in 95s

2025-04-10 05:50:55 (4.39 MB/s) - 'zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz' saved [437395011/437395011]

root@ldap1:~# tar -xzf zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz
root@ldap1:~# cd zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557
root@ldap1:~/zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557# vi /etc/hosts
root@ldap1:~/zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557#
root@ldap1:~/zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557# ./install.sh |
```

```
root@ldap1: ~/zcs-NETWORK x + v
Found zimbra-proxy-patch (repo)
Found zimbra-ldap-patch (repo)

Select the packages to install

Install zimbra-ldap [Y] y
Install zimbra-logger [Y] n
Install zimbra-mta [Y] n
Install zimbra-dnscache [N] n
Install zimbra-snmp [Y] y
Install zimbra-license-daemon [Y] n
Install zimbra-store [Y] n
Install zimbra-apache [Y] n
Install zimbra-spell [Y] n
Install zimbra-memcached [Y] n
Install zimbra-proxy [Y] n
Install zimbra-archiving [N] n
Install zimbra-onlyoffice [Y] n
Checking required space for zimbra-core

Installing:
  zimbra-core
  zimbra-ldap
  zimbra-snmp
  zimbra-license-tools
  zimbra-ldap-patch

The system will be modified. Continue? [N] |
```

Main menu

- 1) Common Configuration:
- 2) zimbra-ldap: Enabled
- 3) zimbra-snmp: Enabled
- 4) Enable default backup schedule: yes
- 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]
Save config in file: [/opt/zimbra/config.28224]
Saving config in /opt/zimbra/config.28224...done.
The system will be modified - continue? [No] yes

```
root@ldap1:~# su - zimbra
zimbra@ldap1:~$ zmcontrol status
Host ldap1.bt.bt
      ldap           Running
      snmp           Running
      stats          Running
      zmconfigd      Running
zimbra@ldap1:~$
```

Before LDAP2 installation

Run the command below in ldap 1

```
./libexec/zmldapenable-mmrc -s 1 -m ldap://ldap2.bt.bt:389/
```

```
zmlocalconfig -e ldap_master_url="ldap://ldap1.bt.bt:389  
ldap://ldap2.bt.bt:389"
```

```
zmlocalconfig -e ldap_url="ldap://ldap1.bt.bt:389  
ldap://ldap2.bt.bt:389"  
zmcontrol restart
```

LDAP 2 installation is the same, only need to change replication type mmrc and change ldap master host ldap1.bt.bt

Run the command below in ldap 2 after installation

```
zmlocalconfig -e ldap_master_url="ldap://ldap2.bt.bt:389  
ldap://ldap1.bt.bt:389"
```

Reference doc

https://wiki.zimbra.com/wiki/LDAP_Multi_Master_Replication

2. MTA installation

- Install basic package (perl)
- Add entry in /etc/hosts file
- Download zimbra tar file and extract it

```
root@mtal:~# wget https://files.zimbra.com/downloads/10.1.0_GA/zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz
--2025-04-10 06:01:42-- https://files.zimbra.com/downloads/10.1.0_GA/zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz
Resolving files.zimbra.com (files.zimbra.com)... 18.164.199.225
Connecting to files.zimbra.com (files.zimbra.com)[18.164.199.225]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 437395011 (417M) [application/x-tar]
Saving to: 'zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz'

zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64 100%[=====] 417.13M  3.87MB/s  in 97s

2025-04-10 06:03:19 (4.32 MB/s) - 'zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz' saved [437395011/437395011]

root@mtal:~# tar -xzf zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz
root@mtal:~# vi /etc/hosts
root@mtal:~#
root@mtal:~# vi /etc/resolv.conf
root@mtal:~#
root@mtal:~# cd zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557
root@mtal:~/zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557#
```

```
Select the packages to install
Install zimbra-ldap [Y] n
Install zimbra-logger [Y] n
Install zimbra-mta [Y] y
Install zimbra-dnscache [Y] n
Install zimbra-snmp [Y] y
Install zimbra-license-daemon [Y] n
Install zimbra-store [Y] n
Install zimbra-apache [Y] n
Install zimbra-spell [Y] n
Install zimbra-memcached [Y] n
Install zimbra-proxy [Y] y
Install zimbra-archiving [N] n
Install zimbra-onlyoffice [Y] n
Checking required space for zimbra-core

Installing:
  zimbra-core
  zimbra-mta
  zimbra-snmp
  zimbra-proxy
  zimbra-license-tools
  zimbra-mta-patch
  zimbra-proxy-patch

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

```
Main menu

1) Common Configuration:
2) zimbra-mta:           Enabled
3) zimbra-snmp:          Enabled
4) zimbra-proxy:         Enabled
5) Enable default backup schedule: yes
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]
Save config in file: [/opt/zimbra/config.38107]
Saving config in /opt/zimbra/config.38107...done.
The system will be modified - continue? [No] yes
```

```
root@mtal:~#
root@mtal:~#
root@mtal:~# su - zimbra

zimbra@mtal:~$
zimbra@mtal:~$ zmcontrol status
Host mtal.bt.bt
      amavis           Running
      antispam          Running
      antivirus          Running
      archiving          Running
      memcached          Running
      mta                Running
      opendkim           Running
      proxy              Running
      snmp                Running
      stats              Running
      zmconfigd          Running
zimbra@mtal:~$ █
```

SAME STEPS FOR MTA2 INSTALLATION

3. Mailbox installation

- Install basic package (perl)
- Add entry in /etc/hosts file
- Download the Zimbra tar file and extract it

```
root@mailbox1:~# vi /etc/hosts
root@mailbox1:~#
root@mailbox1:~#
root@mailbox1:~# wget https://files.zimbra.com/downloads/10.1.0_GA/zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz
--2025-04-10 07:02:19-- https://files.zimbra.com/downloads/10.1.0_GA/zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz
Resolving files.zimbra.com (files.zimbra.com)... 54.192.46.49
Connecting to files.zimbra.com (files.zimbra.com)|54.192.46.49|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 437395011 (417M) [application/x-tar]
Saving to: 'zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz'

zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64 100%[=====] 417.13M  2.46MB/s   in 1m 58s

2025-04-10 07:04:18 (3.52 MB/s) - 'zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz' saved [437395011/437395011]

root@mailbox1:~# tar -xzf zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz
root@mailbox1:~# vi /etc/resolv.conf
root@mailbox1:~#
root@mailbox1:~#
root@mailbox1:~# cd zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557
root@mailbox1:~/zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557# ./install.sh
```

```
Select the packages to install
Install zimbra-ldap [Y] n
Install zimbra-logger [Y] y
Install zimbra-mta [Y] n
Install zimbra-dnscache [N] n
Install zimbra-snmp [Y] y
Install zimbra-license-daemon [Y] y
Install zimbra-store [Y] y
Install zimbra-apache [Y] y
Install zimbra-spell [Y] y
Install zimbra-convertd [Y] y
Install zimbra-memcached [Y] n
Install zimbra-proxy [Y] n
Install zimbra-archiving [N] n

Install zimbra-onlyoffice [Y] y
Checking required space for zimbra-core
Checking space for zimbra-store

Installing:
  zimbra-core
  zimbra-logger
  zimbra-snmp
  zimbra-license-daemon
  zimbra-store
  zimbra-apache
```

```
zimbra-rabbitmq-server
...done
```

Installing local packages (27):

```
zimbra-timezone-data
zimbra-common-core-jar
zimbra-common-mbox-conf-attrs
zimbra-common-mbox-conf-msgs
zimbra-common-mbox-native-lib
zimbra-common-mbox-conf-rights
zimbra-common-mbox-conf
zimbra-common-mbox-db
zimbra-common-mbox-docs
zimbra-common-core-libs
zimbra-core
zimbra-logger
zimbra-snmp
zimbra-mbox-conf
zimbra-mbox-war
zimbra-mbox-service
zimbra-mbox-webclient-war
zimbra-mbox-admin-console-war
zimbra-mbox-store-libs
zimbra-mbox-ews-service
zimbra-store
zimbra-apache
zimbra-spell
zimbra-license-tools
zimbra-license-extension
zimbra-network-store
zimbra-convertd
...done
```

Installing extra packages (6):

```
zimbra-modern-ui
zimbra-modern-zimlets
zimbra-zimlet-document-editor
zimbra-zimlet-classic-document-editor
zimbra-zimlet-classic-set-default-client
zimbra-patch
...
```

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

Main menu

  1) Common Configuration:
  2) zimbra-logger:          Enabled
  3) zimbra-snmp:           Enabled
  4) zimbra-store:          Enabled
  5) zimbra-spell:          Enabled
  6) zimbra-convertd:       Enabled
  7) zimbra-onlyoffice:     Enabled
  8) zimbra-license-daemon: Enabled
  9) Default Class of Service Configuration:
10) Enable default backup schedule: yes
   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]
Save config in file: [/opt/zimbra/config.30126]
Saving config in /opt/zimbra/config.30126...done.
The system will be modified - continue? [No] yes
```

```
root@mailbox1: ~/zcs-NETW( × + ∨

com_zimbra_adminversioncheck...done.
com_zimbra_tooltip...done.
com_zimbra_email...done.
com_zimbra_bulkprovision...done.
com_zimbra_attachmail...done.
Finished installing common zimlets.
Installing network zimlets...
com_zimbra_securemail...done.
com_zimbra_click2call_cisco...done.
zimbra-zimlet-set-default-client...done.
zimbra-zimlet-emptysubject...done.
zimbra-zimlet-user-sessions-management...done.
zimbra-zimlet-classic-document-editor...done.
zimbra-zimlet-install-pwa...done.
zimbra-zimlet-classic-set-default-client...done.
com_zimbra_mobilesync...done.
com_zimbra_two_factor_auth...done.
com_zimbra_license...done.
com_zimbra_click2call_mitel...done.
com_zimbra_converttd...done.
com_zimbra_hsm...done.
com_zimbra_smime_cert_admin...done.
zimbra-zimlet-secure-mail...done.
zimbra-zimlet-date...done.
com_zimbra_ucconfig...done.
zimbra-zimlet-calendar-subscription...done.
com_zimbra_voiceprefs...done.
com_zimbra_backuprestore...done.
zimbra-zimlet-additional-signature-setting...done.
zimbra-zimlet-document-editor...done.
com_zimbra_delegatedadmin...done.
Finished installing network zimlets.
Restarting mailboxd...done.
Creating galsync account for default domain...done.
Setting up zimbra crontab...done.

Moving /tmp/zmsetup.20250410-072339.log to /opt/zimbra/log

Configuration complete - press return to exit
```

```
root@mailbox:~# su - zimbra
zimbra@mailbox:~$ zmcontrol status
Host mailbox.bt.bt
      converttd           Running
      logger              Running
      mailbox              Running
      onlyoffice           Running
      service webapp       Running
      snmp                 Running
      spell                Running
      stats                Running
      zimbra webapp        Running
      zimbraAdmin webapp   Running
      zimlet webapp        Running
      zmconfigd            Running
zimbra@mailbox:~$
```

Log server same as a mailbox server
some steps also need to be done on all servers for logger host configuration -

<https://wiki.zimbra.com/wiki/Configuring-Logger-Host>

Archive server installation

Ref link -

[https://wiki.zimbra.com/wiki/How_to_install_and_configure_Archive_server_in_Zimbra#:~:text=Go%20to%20the%20Home%20%3E%20Configure,and%20check%20Archiving%20and%20Discovery.&text=5\)%20Creating%20a%20Dedicated%20Archive%20COS.](https://wiki.zimbra.com/wiki/How_to_install_and_configure_Archive_server_in_Zimbra#:~:text=Go%20to%20the%20Home%20%3E%20Configure,and%20check%20Archiving%20and%20Discovery.&text=5)%20Creating%20a%20Dedicated%20Archive%20COS.)

- Install basic package (perl)
- Add entry in /etc/hosts file
- Download the Zimbra tar file and extract it

```
root@archive: ~/zcs-NETWORK
root@archive:~# wget https://files.zimbra.com/downloads/10.1.0_GA/zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz
--2025-04-10 08:42:45-- https://files.zimbra.com/downloads/10.1.0_GA/zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz
Resolving files.zimbra.com (files.zimbra.com)... 18.164.199.225
Connecting to files.zimbra.com (files.zimbra.com)[18.164.199.225]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 437395011 (417M) [application/x-tar]
Saving to: 'zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz'

zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64 100%[=====>] 417.13M  3.24MB/s  in 2m 31s

2025-04-10 08:45:16 (2.76 MB/s) - 'zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz' saved [437395011/437395011]

root@archive:~# tar -xzf zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557.tgz
root@archive:~# cd zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557
root@archive:~/zcs-NETWORK-10.1.0_GA_4633.UBUNTU20_64.20240610085557# ./install.sh |
```

```
and zimbra-patch (repo)
and zimbra-mta-patch (repo)
and zimbra-proxy-patch (repo)
and zimbra-ldap-patch (repo)

Select the packages to install

Install zimbra-ldap [Y] n
Install zimbra-logger [Y] n
Install zimbra-mta [Y] n
Install zimbra-dnscache [N] n
Install zimbra-snmp [Y] y
Install zimbra-license-store [Y] n
Have you installed zimbra-license-daemon + package on different node [N] y
Please enter the zimbra-license-daemon host [] lds.bt.bt
Install zimbra-apache [Y] n
Install zimbra-spell [Y] n
Install zimbra-convertd [N] n
Install zimbra-memcached [N] n
Install zimbra-proxy [Y] n
Install zimbra-archiving [Y] y
Install zimbra-onlyoffice [Y] n

Checking required space for zimbra-core
Checking space for zimbra-store
```

```
Install zimbra-convertd [Y] y
Install zimbra-memcached [Y] n
Install zimbra-proxy [Y] n
Install zimbra-archiving [N] y
Install zimbra-onlyoffice [Y] n
Checking required space for zimbra-core
Checking space for zimbra-store
Checking required packages for zimbra-store
MISSING: libreoffice

###WARNING###

One or more suggested packages for zimbra-store are missing.
Some features may be disabled due to the missing package(s).

Installing:
  zimbra-core
  zimbra-snmp
  zimbra-store
  zimbra-apache
  zimbra-spell
  zimbra-convertd
  zimbra-archiving
  zimbra-license-tools
  zimbra-license-extension
  zimbra-network-store
  zimbra-modern-ui
  zimbra-modern-zimlets
  zimbra-zimlet-document-editor
  zimbra-zimlet-classic-document-editor
  zimbra-zimlet-classic-set-default-client
  zimbra-patch

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

Main menu

- 1) Common Configuration:
- 2) zimbra-snmp: Enabled
- 3) zimbra-store: Enabled
- 4) zimbra-spell: Enabled
- 5) zimbra-convertd: Enabled
- 6) Default Class of Service Configuration:
- 7) Enable default backup schedule: yes
- 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]
Save config in file: [/opt/zimbra/config.31343]
Saving config in /opt/zimbra/config.31343...done.
The system will be modified - continue? [No] yes|

```
root@archive: ~/zcs-NETWOF × + ▾

com_zimbra_email...done.
com_zimbra_bulkprovision...done.
com_zimbra_attachmail...done.
Finished installing common zimlets.
Installing network zimlets...
com_zimbra_securemail...done.
com_zimbra_click2call_cisco...done.
zimbra-zimlet-set-default-client...done.
zimbra-zimlet-emptysubject...done.
zimbra-zimlet-user-sessions-management...done.
zimbra-zimlet-classic-document-editor...done.
zimbra-zimlet-install-pwa...done.
zimbra-zimlet-classic-set-default-client...done.
com_zimbra_mobilesync...done.
com_zimbra_two_factor_auth...done.
com_zimbra_license...done.
com_zimbra_click2call_mitel...done.
com_zimbra_converttd...done.
com_zimbra_hsm...done.
com_zimbra_smime_cert_admin...done.
zimbra-zimlet-secure-mail...done.
zimbra-zimlet-date...done.
com_zimbra_ucconfig...done.
zimbra-zimlet-calendar-subscription...done.
com_zimbra_voiceprefs...done.
com_zimbra_backupprestore...done.
zimbra-zimlet-additional-signature-setting...done.
com_zimbra_xmbxsearch...done.
zimbra-zimlet-document-editor...done.
com_zimbra_archive...done.
com_zimbra_delegatedadmin...done.
Finished installing network zimlets.
Restarting mailboxd...done.
Creating galsync account for default domain...done.
Setting up zimbra crontab...done.

Moving /tmp/zmsetup.20250410-085916.log to /opt/zimbra/log

Configuration complete - press return to exit
```

7 39°C

```
root@archive:~# su - zimbra
zimbra@archive:~$ zmcontrol status
Host archive.bt.bt
    archiving           Running
    convertd            Running
    logger              Running
    mailbox             Running
    service webapp      Running
    snmp                Running
    spell               Running
    stats               Running
    zimbra webapp        Running
    zimbraAdmin webapp  Running
    zimlet webapp        Running
    zmconfigd           Running
zimbra@archive:~$
```

LDS NODE INSTALLATION

- Install basic package (perl)
- Add an entry in /etc/hosts file
- Download the Zimbra tar file and extract it

Only need to select the license-daemon package and fill the required details

- 1 `zmprov gcf zimbraLicenseDaemonServerHost`
 - 2 `zmprov ms `zmhostname` +zimbraServiceEnabled`
- license-daemon
- 3 `zmlicensectl --service status`
 - 4 `zmlicensectl --service restart`
 - 5 `zmconfigdctl restart`
 - 6 `zmcontrol status`
 - 7 `zmprov gcf zimbraLicenseDaemonServerHost`

8 zmlicensectl --service status

```
root@lds:~#  
root@lds:~#  
root@lds:~# su - zimbra  
zimbra@lds:~$ zmcontrol status  
Host lds.bt.bt  
    license-daemon    Running  
    stats             Running  
    zmconfigd         Running
```