

How To Install Zimbra Collaboration Suite 8.6.0 On CentOS 7

By **Jijo**



Zimbra Collaboration Suite (ZCS) is a groupware product created by Zimbra, Inc. It is widely used in the world. Users can share folders, contacts, schedules and other things, using a very rich web interface. Currently the latest version of Collaboration Suite is Zimbra 8.6.0. It brings new features, improvements in Mail server and it provides a better web client experience. [Click here](#) to view the new improvements and fixes in Zimbra Collaboration Suite 8.6.0. In this tutorial, I will explain how to install Zimbra 8.6.0 on RHEL 7 or CentOS 7.

Prerequisites

- CentOS 7 server.
- **root** access to the server.
- A fully qualified domain name (FQDN) for your Zimbra mail server mx record and ensure your domain is configured correctly.

First you need to do some initial setup in the server

1. Configure /etc/hosts and hostname

2. Allow iptables to by-pass all zimbra ports.

3. Disabled SELINUX

```
[root@centos7 ~]# vim /etc/sysconfig/selinux
```

Change **enforcing** to **disabled** :

```
# This file controls the state of SELinux on the system.
# SELINUX= can take one of these three values:
#   enforcing - SELinux security policy is enforced.
#   permissive - SELinux prints warnings instead of enforcing.
#   disabled - No SELinux policy is loaded.
SELINUX=disabled
# SELINUXTYPE= can take one of these two values:
#   targeted - Targeted processes are protected,
#   minimum - Modification of targeted policy. Only selected processes are
protected.
#   mls - Multi Level Security protection.
SELINUXTYPE=targeted
```

4. Stop any MTA services installed in the server

```
[root@centos7 ~]# systemctl stop postfix
[root@centos7 ~]# systemctl disable postfix
[root@centos7 ~]# systemctl stop sendmail
[root@centos7 ~]# systemctl disable sendmail
```

5.Update the OS

```
[root@centos7 ~]# yum update -y
```

6.Install the required packages and libraries by issuing the following command :

```
[root@centos7 ~]# yum install perl perl-core ntpd nmap sudo libidn gmp libaio  
libstdc++ unzip sysstat sqlite -y
```

Now, the server is ready for install Zimbra 8.6.0.

Download Zimbra Open Source Edition 8.6.0

Issue the following command to download ZCS 8.6.0

```
wget https://files.zimbra.com/downloads/8.6.0_GA/zcs-  
8.6.0_GA_1153.RHEL7_64.20141215151110.tgz
```

Extract the downloaded tar file :

Using the following command you can extract the tar file, We downloaded in previous step

```
tar xzf zcs-8.6.0_GA_1153.RHEL7_64.20141215151110.tgz
```

Go to extracted ZCS Open Source Edition :

```
cd zcs-8.6.0_GA_1153.RHEL7_64.20141215151110
```

Start the installation with the following command :

Now, we are going to install the ZCS package using the script

```
./install.sh --platform-override
```

You can see the following screen when starting the script.

```
./install.sh --platform-override
```

```
Operations logged to /tmp/install.log.14668
```

```
Checking for existing installation...
```

```
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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AGREEMENT, THEN DO NOT DOWNLOAD, INSTALL OR USE THE PRODUCT.

License Terms for the Zimbra Collaboration Suite:

<http://www.zimbra.com/license/zimbra-public-eula-2-5.html>

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

Checking for prerequisites...

FOUND: NPTL
FOUND: nmap-ncat-6.40-4
FOUND: sudo-1.8.6p7-11
FOUND: libidn-1.28-3
FOUND: gmp-5.1.1-5
FOUND: libaio-0.3.109-12
FOUND: libstdc++-4.8.2-16.2
FOUND: unzip-6.0-13
FOUND: perl-core-5.16.3-283

Checking for suggested prerequisites...

FOUND: perl-5.16.3

FOUND: sysstat

FOUND: sqlite

Prerequisite check complete.

Checking for installable packages

Found zimbra-core

Found zimbra-ldap

Found zimbra-logger

Found zimbra-mta

Found zimbra-dnscache

Found zimbra-snmp

Found zimbra-store

Found zimbra-apache

Found zimbra-spell

Found zimbra-memcached

Found zimbra-proxy

Select the packages to install

Install zimbra-ldap [Y]

Install zimbra-logger [Y]

Install zimbra-mta [Y]

Install zimbra-dnscache [Y] N

Install zimbra-snmp [Y]

Install zimbra-store [Y]

Install zimbra-apache [Y]

Install zimbra-spell [Y]

Install zimbra-memcached [Y]

Install zimbra-proxy [Y]
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

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

Removing /opt/zimbra
Removing zimbra crontab entry...done.
Cleaning up zimbra init scripts...done.
Cleaning up /etc/ld.so.conf...done.
Cleaning up /etc/security/limits.conf...done.

Finished removing Zimbra Collaboration Server.

Installing packages

zimbra-core.....zimbra-core-8.6.0_GA_1153.RHEL7_64-
20141215151110.x86_64.rpm...done
zimbra-ldap.....zimbra-ldap-8.6.0_GA_1153.RHEL7_64-
20141215151110.x86_64.rpm...done
zimbra-logger.....zimbra-logger-8.6.0_GA_1153.RHEL7_64-
20141215151110.x86_64.rpm...done
zimbra-mta.....zimbra-mta-8.6.0_GA_1153.RHEL7_64-
20141215151110.x86_64.rpm...done
zimbra-snmp.....zimbra-snmp-8.6.0_GA_1153.RHEL7_64-
20141215151110.x86_64.rpm...done

```
zimbra-store.....zimbra-store-8.6.0_GA_1153.RHEL7_64-
20141215151110.x86_64.rpm...done
zimbra-apache.....zimbra-apache-8.6.0_GA_1153.RHEL7_64-
20141215151110.x86_64.rpm...done
zimbra-spell.....zimbra-spell-8.6.0_GA_1153.RHEL7_64-
20141215151110.x86_64.rpm...done
zimbra-memcached.....zimbra-memcached-8.6.0_GA_1153.RHEL7_64-
20141215151110.x86_64.rpm...done
zimbra-proxy.....zimbra-proxy-8.6.0_GA_1153.RHEL7_64-
20141215151110.x86_64.rpm...done
Operations logged to /tmp/zmsetup01032015-084819.log
Installing LDAP configuration database...done.
Setting defaults...No results returned for A lookup of centos7.unixmen.local
Checked nameservers:
    192.168.0.70
No results returned for AAAA lookup of centos7.unixmen.local
Checked nameservers:
    192.168.0.70
```

```
DNS ERROR resolving centos7.unixmen.local
It is suggested that the hostname be resolvable via DNS
Change hostname [Yes]
Please enter the logical hostname for this host [centos7.unixmen.local]
mail.example.com
No results returned for A lookup of mail.example.com
Checked nameservers:
    192.168.0.70
```

```
DNS ERROR resolving mail.example.com
It is suggested that the hostname be resolvable via DNS
Re-Enter hostname [Yes]
Please enter the logical hostname for this host [centos7.unixmen.local]
mail.example.local
```

```
DNS ERROR resolving MX for mail.example.local
It is suggested that the domain name have an MX record configured in DNS
Change domain name? [Yes]
```

Create domain: [mail.example.local] example.local

MX: mail.example.local (192.168.0.70)

Interface: 127.0.0.1

Interface: ::1

Interface: 192.168.0.70

done.

Checking for port conflicts

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
   +Create Admin User: yes
   +Admin user to create: admin@example.local
***** +Admin Password UNSET
   +Anti-virus quarantine user: virus-
quarantine.fsbv7fj6r0@example.local
   +Enable automated spam training: yes
   +Spam training user: spam.7xlmrmrh3@example.local
   +Non-spam(Ham) training user: ham.rt_1on1o@example.local
   +SMTP host: mail.example.local
   +Web server HTTP port: 8080
   +Web server HTTPS port: 8443
   +Web server mode: https
   +IMAP server port: 7143
   +IMAP server SSL port: 7993
   +POP server port: 7110
   +POP server SSL port: 7995
   +Use spell check server: yes
   +Spell server URL:
http://mail.example.local:7780/aspell.php
   +Enable version update checks: TRUE
   +Enable version update notifications: TRUE
   +Version update notification email: admin@centos7.unixmen.local
   +Version update source email: admin@centos7.unixmen.local
```


+Install mailstore (service webapp): yes
+Install UI (zimbra,zimbraAdmin webapps): yes

7) zimbra-spell: Enabled
8) zimbra-proxy: Enabled
9) Enable VMware HA: no
10) Default Class of Service Configuration:
s) Save config to file
x) Expand menu
q) Quit

Address unconfigured (**) items (? - help) 6

Store configuration

1) Status: Enabled
2) Create Admin User: yes
3) Admin user to create: admin@example.local
** 4) Admin Password UNSET
5) Anti-virus quarantine user: virus-
quarantine.fsbv7fj6r0@example.local
6) Enable automated spam training: yes
7) Spam training user: spam.7xlmrmrh3@example.local
8) Non-spam(Ham) training user: ham.rt_1on1o@example.local
9) SMTP host: mail.example.local
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.example.local:7780/aspell.php
19) Enable version update checks: TRUE
20) Enable version update notifications: TRUE
21) Version update notification email: admin@centos7.unixmen.local
22) Version update source email: admin@centos7.unixmen.local

23) Install mailstore (service webapp): yes

24) Install UI (zimbra,zimbraAdmin webapps): yes

Select, or 'r' for previous menu [r] 4

Password for admin@example.local (min 6 characters): [SBmeBXtA] password

Store configuration

1) Status: Enabled

2) Create Admin User: yes

3) Admin user to create: admin@example.local

4) Admin Password set

5) Anti-virus quarantine user: virus-
quarantine.fsbv7fj6r0@example.local

6) Enable automated spam training: yes

7) Spam training user: spam.7xlmrmrh3@example.local

8) Non-spam(Ham) training user: ham.rt_1on1o@example.local

9) SMTP host: mail.example.local

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.example.local:7780/aspell.php

19) Enable version update checks: TRUE

20) Enable version update notifications: TRUE

21) Version update notification email: admin@centos7.unixmen.local

22) Version update source email: admin@centos7.unixmen.local

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@centos7.unixmen.local]
admin@example.local

Store configuration

```
1) Status: Enabled
2) Create Admin User: yes
3) Admin user to create: admin@example.local
4) Admin Password set
5) Anti-virus quarantine user: virus-
quarantine.fsbv7fj6r0@example.local
6) Enable automated spam training: yes
7) Spam training user: spam.7x1mrmrh3@example.local
8) Non-spam(Ham) training user: ham.rt_1on1o@example.local
9) SMTP host: mail.example.local
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.example.local:7780/aspell.php
19) Enable version update checks: TRUE
20) Enable version update notifications: TRUE
21) Version update notification email: admin@example.local
22) Version update source email: admin@centos7.unixmen.local
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@centos7.unixmen.local] admin@example.local

Store configuration

```
1) Status: Enabled
2) Create Admin User: yes
3) Admin user to create: admin@example.local
4) Admin Password set
```

```

5) Anti-virus quarantine user:          virus-
quarantine.fsbv7fj6r0@example.local
6) Enable automated spam training:     yes
7) Spam training user:                 spam.7xlmrmrh3@example.local
8) Non-spam(Ham) training user:       ham.rt_1on1o@example.local
9) SMTP host:                          mail.example.local
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.example.local:7780/aspell.php
19) Enable version update checks:      TRUE
20) Enable version update notifications: TRUE
21) Version update notification email:  admin@example.local
22) Version update source email:       admin@example.local
23) Install mailstore (service webapp): yes
24) Install UI (zimbra,zimbraAdmin webapps): yes

```

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-snmpp:        Enabled
6) zimbra-store:        Enabled
7) zimbra-spell:        Enabled
8) zimbra-proxy:        Enabled
9) Enable VMware HA:    no
10) 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]
Save config in file: [/opt/zimbra/config.23920]
Saving config in /opt/zimbra/config.23920...done.
The system will be modified - continue? [No] yes
Operations logged to /tmp/zmsetup01032015-084819.log
Setting local config values...done.
Initializing core config...Setting up CA...done.
Deploying CA to /opt/zimbra/conf/ca ...done.
Creating SSL zimbra-store certificate...done.
Creating new zimbra-ldap SSL certificate...done.
Creating new zimbra-mta SSL certificate...done.
Creating new zimbra-proxy SSL certificate...done.
Installing mailboxd SSL certificates...done.
Installing MTA SSL certificates...done.
Installing LDAP SSL certificate...done.
Installing Proxy SSL certificate...done.
Initializing ldap...done.
Setting replication password...done.
Setting Postfix password...done.
Setting amavis password...done.
Setting nginx password...done.
Setting BES searcher password...done.
Creating server entry for mail.example.local...done.
Setting Zimbra IP Mode...done.
Saving CA in ldap ...done.
Saving SSL Certificate in ldap ...done.
Setting spell check URL...done.
Setting service ports on mail.example.local...done.
Setting zimbraFeatureTasksEnabled=TRUE...done.
Setting zimbraFeatureBriefcasesEnabled=TRUE...done.
Setting TimeZone Preference...done.
Initializing mta config...done.
Setting services on mail.example.local...done.
Adding mail.example.local to zimbraMailHostPool in default COS...done.
Creating domain example.local...done.
Setting default domain name...done.
Creating domain example.local...already exists.
```

```
Creating admin account admin@example.local...done.
Creating root alias...done.
Creating postmaster alias...done.
Creating user spam.7xlmrmrh3@example.local...done.
Creating user ham.rt_1on1o@example.local...done.
Creating user virus-quarantine.fsbv7fj6r0@example.local...done.
Setting spam training and Anti-virus quarantine accounts...done.
Initializing store sql database...done.
Setting zimbraSmtphostname for mail.example.local...done.
Configuring SNMP...done.
Setting up syslog.conf...done.
Starting servers...done.
Installing common zimlets...
    com_zimbra_proxy_config...done.
    com_zimbra_mailarchive...done.
    com_zimbra_attachmail...done.
    com_zimbra_url...done.
    com_zimbra_phone...done.
    com_zimbra_date...done.
    com_zimbra_ymemoticons...done.
    com_zimbra_clientuploader...done.
    com_zimbra_srchhighlighter...done.
    com_zimbra_tooltip...done.
    com_zimbra_webex...done.
    com_zimbra_bulkprovision...done.
    com_zimbra_email...done.
    com_zimbra_adminversioncheck...done.
    com_zimbra_cert_manager...done.
    com_zimbra_viewmail...done.
    com_zimbra_attachcontacts...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 (8.6.0_GA_1153_RHEL7_64)
The ADMIN EMAIL ADDRESS created (admin@example.local)
```

Notify Zimbra of your installation? [Yes] no

Notification skipped

Setting up zimbra crontab...done.

Moving /tmp/zmsetup01032015-084819.log to /opt/zimbra/log

Configuration complete - press return to exit

Start zimbra services :

```
su - zimbra
```

```
zmcontrol start
```

Access admin panel via browser :

https://<your_zimbra_domain.com>:7071

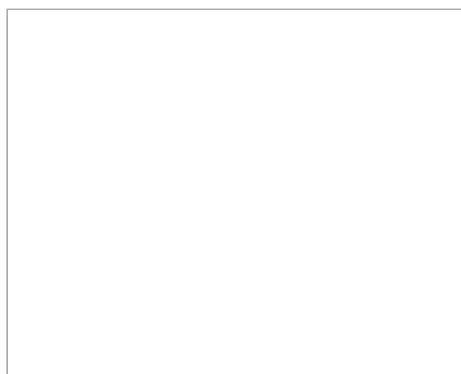
or directly by IP:

<https://192.168.0.70:7071>

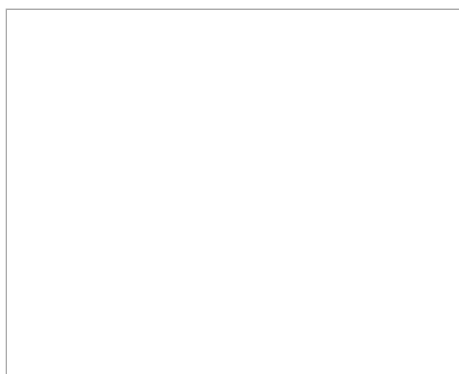
To log in, the user is **admin** and the password used in the installation script.

All done, Congratulations !!!

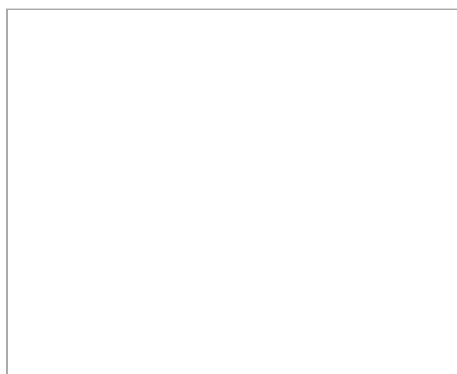
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