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# Zimbra Collaboration Server 7.1.3

## Open Source Edition Release Notes

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These release notes describe the new features and enhancements that are available in the ZCS 7.1.3 Open Source release. Review the Known Issues section for a list of outstanding issues in this release before installing or upgrading.

The following sections are included in the release notes:

[Major New Feature Enhancements for 7.1 on page 2](#)

[Enhancements in 7.1.3 on page 2](#)

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**Note:** *If you are upgrading from 6.X, for a detailed description of the major enhancements made in ZCS 7, read the ZCS 7.0 release notes. Also review the User Interface Changes document. Both of these documents are on the [Zimbra website, Support section, http://www.zimbra.com/support/documentation/zcs-ne-documentation.html](http://www.zimbra.com/support/documentation/zcs-ne-documentation.html)*

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## Major New Feature Enhancements for 7.1

- Open ID Consumer Support (Bug 17147)
- Certificate authentication support (Bug 29625)
- Phonetic contact fields (Bug 52823)

### Enhancements in 7.1.3

- Ability to have POP3/IMAP login with a user ID other than the user's mail addresses. See Bug 21794 to configure this option. (Bug 21794)
- 
- The font list in Zimbra Web Client has been changed. The list now includes these fonts:
  - Arial = Sans Serif
  - Times New Roman = Serif
  - Arial Black = Wide Block
  - Courier New = Monospaced
  - Comic Sans MS = Comic
  - Lucida Console = Console
  - Garamond = Garamond
  - Georgia = Elegant
  - Tahoma = Professional
  - Terminal = Terminal
  - Trebuchet MS = Modern
  - Verdana = Wide

(Bug 61679)

- Images can now be pasted in the email message body when working in the Google Chrome browser. (Bug 63720)
- Filter processing actions are now logged. The command to turn on filter logging is **zmprov aal <user@example.com> zimbra.filter trace**. (61184)
- A new account/COS attribute **zimbraPasswordMinDigitsOrPuncs** has been added to allow the administrator to specify the minimum number of numeric or ASCII punctuation characters required in a password. The regular expression of the allowed punctuation characters can be specified using the **zimbraPasswordAllowedPunctuationChars** attribute. (Bug 60973)
- IPv6 is supported for external facing interfaces on the edge servers (MTA, Nginx). (Bug 63685)
- Postfix and Amavis enhancement for IPv6. (Bug 63709)

## Enhancements in 7.1.2

- Red Hat® Enterprise Linux®, AS/ES 6 (64-bit, mid-version) GA for 7.1.2. (Bug 46506)
- Two-way SSL authentication is supported on systems with reverse proxy enabled. (Bug 58152)
- Two sets of localconfig keys were added, one for sInternalConnMgr and another for sExternalConnMgr. See After the Upgrade is Complete on page 14 for a list of keys that were deprecated and new keys that replaced them.

If you have modified any of the deprecated keys from the default value, you need to re-apply the same changes to the corresponding new keys.

(Bug 59707)

- The Socialcast account can now be configured using the Social Zimlet. (Bug 60813)
- A new admin view button has been added to the delegated admin view options. The Help Search View in the admin console can now be added to a delegated admin's role. (Bug 61009)
- A RegEx rule for email validation can be configured from the administration console Global Settings and Domains Advanced tabs, Account Email Validation Setting section. In the **Regular expression for invalid email address** field, enter the text string to identify invalid email addresses.

For example, if you enter **test@\\d+.com**, email addresses with a number in the domain name are invalid. (test@123.com or test@1.com etc.)

This validation does not work in the standard Zimbra Web Client. (Bug 60979)

## Enhancements in 7.1.1

- Users can now recover any items, including Briefcase files, contacts, appointments, that have been deleted or emptied from their Trash folders. Bug 51562
- When a message is dragged to the mini calendar to make a new appointment, a dialog displays asking if the sender and other recipients in the mail should be added to the appointment. (Bug 13096)

## System Updates for 7.0 and 7.1

Red Hat Enterprise Linux, AS/ES 6 (64-bit, mid-version) **Deprecated Platforms (for Open Source Edition):**

- Debian 5 (32- and 64-bit)
- Fedora 11 (32- and 64-bit)
- Red Hat Enterprise Linux 4 (32-bit)

- Red Hat Enterprise Linux 5 (32-bit)
- SUSE Linux Enterprise Server 10 (32-bit)
- Ubuntu 8.04 LTS (32-bit)

**Note:** *Deprecated platforms will EOL after ZCS 7.0*

#### **End Of Life Platforms (for Open Source Edition)**

- Ubuntu 6.06 LT (32- and 64-bit)
- Mac OS X 10.4 Tiger (32-bit)
- Debian 4 (32-bit)
- Fedora 7 (32-bit)

**Note:** *End-of-Life platforms are not available for ZCS 7.0 and will not be available in the future.*

#### **Browser Support (Zimbra Web Client):**

- Internet Explorer 6.0 is no longer supported in Advanced Web Client and only supported in Standard Web Client.

## **Major Fixes in 7.1 Releases**

### **Major Issues Fixed for 7.1.3**

|       |                                                                                                                                                                         |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11562 | New users created in Active Directory are now displayed in the Zimbra Web Client GAL.                                                                                   |
| 56458 | Fixed issues that caused the mail TAR file to not generate correctly when users export their mail.                                                                      |
| 58159 | When invoked as the ssh forced command via the command=option in the authorized_keys file, the zmrzd script is made to allow rsync traffic from mailbox move operation. |
| 59061 | Fixed issues that caused junk characters to be added to text attachments in Task or Calendar appointments.                                                              |
| 59103 | When composing in a new window, the window is now wide enough to fit the Select Addresses dialog.                                                                       |
| 59988 | Security fix.                                                                                                                                                           |
| 60323 | <b>zmskindeploy</b> no longer appends duplicate information to a skin's ccs file.                                                                                       |

|       |                                                                                                                                                                                                                                                                                                  |
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| 60480 | <p>Fixed issues that caused full headers and encoded messages to display on the Samsung Galaxy S II.</p> <p><b>Important.</b> After ZCS is upgraded to 7.1.3, Samsung Galaxy mobile device users running Android must re-provision their accounts (delete and re-add the A/C on the device.)</p> |
| 60563 | <p>If users have the Undo-Send zimlet enabled and are seeing the problem of sending blank emails, they should disable the Undo Send Zimlet on their Zimlets Preferences page</p>                                                                                                                 |
| 61253 | <p>When replying to or forwarding a message, the body of the compose window is always pre populated with the appropriate text.</p>                                                                                                                                                               |
| 61435 | <p>Dangling IMAP folder subscriptions resulting in mail.NO_SUCH_FOLDER error has been fixed.</p>                                                                                                                                                                                                 |
| 61605 | <p>Fixed issues with the bubble mode that caused only the first email address of a group list to receive the email message.</p>                                                                                                                                                                  |
| 61634 | <p>Security fix.</p>                                                                                                                                                                                                                                                                             |
| 62083 | <p>Moving calendar events between calendars with using Apple -iCal 5 now works.</p>                                                                                                                                                                                                              |
| 62494 | <p>External email addresses with <b>sendToDistList</b> right to a distribution list can now send to the distribution list successfully.</p>                                                                                                                                                      |
| 62617 | <p>Shared Calendars now works correctly on iCal.</p>                                                                                                                                                                                                                                             |
| 62621 | <p>The description "Always show email address with names" has been changed to "Display names in place of email addresses when available."</p>                                                                                                                                                    |
| 62726 | <p>Fixed the page width that displays with the standard Zimbra Web Client when the screen resolution is &lt;=1024. When the display is modified for this screen resolution, the Group Mail by and View are displayed in a drop-down menu.</p>                                                    |
| 63100 | <p>Fixed the issue that caused a deadlock because of a race condition where two threads try to lock two mailboxes in a different order.</p>                                                                                                                                                      |
| 63195 | <p>A new OS/3rd party prerequisite is being added starting in 7.1.3. nc or netcat is used as part of the watchdog process in zmconfigd. Customers might need to install this application on their servers prior to upgrading.</p>                                                                |

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## Major Issues Fixed for 7.1.2

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 31323           | The waitset API now works correctly when a mailbox is moved from one server to another. The wait set returns the <b>WRONG_HOST_FOR_ACCOUNT</b> error type when a mailbox is moved.                                                                                                                                                                                                                                                                                                                          |
| 58404           | <b>ServletOutputStream</b> was not adhering to Servlet Spec 2.5 and throwing wrong IO Exception type, causing a HTTP500 error for any HTTP "HEAD" request. The Servlet API version was updated to adhere to Servlet Spec 2.5 and throw correct exception.                                                                                                                                                                                                                                                   |
| 59144           | The list name field can now be edited when domain administrators create a DL in Google Chrome or Apple Safari.                                                                                                                                                                                                                                                                                                                                                                                              |
| 59889           | Fixed the issue that caused Internet Explorer 8 and 9 to hang when the Google maps or Yahoo! Zimlets were opened.                                                                                                                                                                                                                                                                                                                                                                                           |
| 60209/<br>62051 | ZCS now handles recurrence series update in a way compatible with Microsoft Exchange. When the organizer updates the time of a series, all the exception instances will be blown away. ZWC warns about this when the organizer is about to make the change.<br><br>Customers who prefer the old behavior, where updates to the series are applied without affecting exception instances, can set the account/COS attribute <b>zimbraCalendarKeepExceptionsOnSeriesTimeChange</b> to TRUE (default is FALSE) |
| 60596           | Applying the Mysql51.pl script requires all Zimbra services except mysql.server to be stopped. See the MySQL table description on page -14.                                                                                                                                                                                                                                                                                                                                                                 |
| 60734           | In ZWC, the quota information now displays even when the quota is unlimited.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 60748           | When using Chrome for ZWC, the issue that caused the new line to be added below the signature when composing a reply has been fixed.                                                                                                                                                                                                                                                                                                                                                                        |

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|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 60798 | Beginning with 7.1.2, Access and trace logs are now written to the <b>/opt/zimbra/log</b> directory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 60998 | <p>There is an message indexing issue where the subject was mistakenly repeated during the index that results in incorrect search results when using quotes in a phrase query.</p> <p>For an example of the issue, if the subject is One Two Three Four and the search query is "Four One", the search results return the subject, One Two Three Four.</p> <p>But a subject search for a phrase consisting of the last word of the subject followed by the first word should not match.</p> <p>The issue has been fixed, but to fix the indexing after an upgrade you will need to reindex all messages.</p> |

### Major Issues Fixed for 7.1.1

To see a list of all the changes for this release, see the [Zimbra Product Portal](http://pm.zimbra.com/pm_release.php?rel=7.1&prod=zcs), ([http://pm.zimbra.com/pm\\_release.php?rel=7.1&prod=zcs](http://pm.zimbra.com/pm_release.php?rel=7.1&prod=zcs))

|       |                                                                                                                                                                       |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 29902 | Address Book photos up to 2MB (default limit) now sync to devices via mobile sync, and can be configured via the LC key <b>zimbra_activesync_contact_image_size</b> . |
| 34350 | UI change admin console. A new label, <b>List Member</b> , was created to search for a member of a distribution list from the admin console.                          |
| 40308 | Declined events now are displayed as grayed out in public shared calendars viewed using the standard ZWC.                                                             |
| 40506 | Fixed issues that caused CalDAV notifications to appear as sent "on behalf of" when there was an alias for the account.                                               |
| 53062 | UI change. Account quota is now displayed as a bar under the name in ZWC.                                                                                             |
| 53090 | Contact information that includes custom fields, including "other phone" label, now sync correctly.                                                                   |
| 53206 | Fixed the contact form to insert a space before the Postal Code so that the contact information displays correctly.                                                   |

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| 55289 | <p>Worked around an Android issue where emails forwarded from Android devices cannot be viewed on Android devices when connecting to ZCS via mobile sync. Instead of forwarding a message as an RFC822 .eml attachment, inline forwarding with plain/text content is now used by default. For customers using Android 3.0 devices that support .eml attachments, they can set the LC config key <b>zimbra_mobile_smart_forward_rfc822_enabled</b> to TRUE (default is FALSE).</p> <p>Note: Starting in ZCS 8.0, this will be controlled by the COS/acct level attribute <b>zimbraMobileSmartForwardRFC822Enabled</b> (default is FALSE).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 57182 | <p>Before migrating accounts from the admin console, the CA certificate of the source computer must be migrated to the destination server.</p> <p>To do this, use the UNIX <b>scp</b> command to securely transfer the certificate between the computers.</p> <p>For example: moving a certificate for accounts migrating from Server_A to Server_B would be run as <b>scp ca.pem</b> from Server_A to Server_B</p> <ol style="list-style-type: none"> <li>1. Copy the certificate, <b>ca.pem</b> on Server_A to the directory <b>/tmp/</b>. On Server-A type <pre data-bbox="656 1056 1370 1115">\$ sudo cp /opt/zimbra/ssl/zimbra/ca/ca.pem /tmp/</pre> </li> <li>2) Use <b>scp</b> to securely transfer the ca.pem certificate from Server_A to Server_B. On Server_B type <pre data-bbox="656 1251 1182 1276">\$ scp Server_A:/tmp/ca.pem /tmp/</pre> </li> <li>3. Import the <b>ca.pem</b> in the <b>/tmp/</b> directory into Server_B's keystore <pre data-bbox="656 1413 1354 1472">\$ sudo /opt/zimbra/bin/zmcertmgr addcacert /tmp/ca.pem</pre> </li> <li>4) Log in to the admin console from Server_B, and run the account migration wizard.</li> </ol> |
| 57402 | <p>Contact information for birthday and anniversary are saved correctly in the Dutch (NL) version of ZWC.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 57542 | <p>UI Change. ZWC Help now includes additional links to the Zimbra <b>Help Central Online</b> and to the <b>New Features</b> document. Also there is an <b>About</b> link that displays the ZCS version that is running.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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| 57785 | Issues that caused amavisd to not attach the HTML or text signature have been fixed.                                                                                                                                                                                                                                                                                 |
| 58636 | Task lists with a large number of tasks now displays correctly.                                                                                                                                                                                                                                                                                                      |
| 58735 | Administrator notification when there is change to Zimbra service status now works.                                                                                                                                                                                                                                                                                  |
| 59304 | If running a search after upgrading from pre-7.0 to ZCS 7 is not finding Chinese, Korean or Japanese words, you will need to reindex the content of the accounts after you upgrade. If reindex is not acceptable, you can set the COS/account attribute <b>zimbraTextAnalyzer</b> to "StandardAnalyzer" to keep using StandardAnalyzer instead of UniversalAnalyzer. |
| 59720 | To improve how fast filters run through messages, the value for zimbraFilterSleepInterval was changed to 1ms. Note: If the value is set to 0, the filtering will run faster, but only set this to 0 if the server has sufficient CPU power.                                                                                                                          |

### Major Issues Fixed for 7.1

To see a list of all the changes for this release, see the [Zimbra Product Portal](http://pm.zimbra.com/pm_release.php?rel=7.1&prod=zcs), ([http://pm.zimbra.com/pm\\_release.php?rel=7.1&prod=zcs](http://pm.zimbra.com/pm_release.php?rel=7.1&prod=zcs))

|       |                                                                                                                                                                                                                                                                                                                            |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 56870 | Tuned InnoDB fsync parameters.<br><br>The innodb_max_dirty_pages_pct was changed to 30% and the log file size (innodb_log_file_size) was changed from 100 MB to 500 MB.<br><br>Old MySQL log files are being moved to <b>/opt/zimbra/data/tmp</b> and can be removed once the upgrade has been confirmed to be successful. |
| 57716 | Fixed issues that made Jetty time outs truncate GAL sync.                                                                                                                                                                                                                                                                  |
| 28727 | Non-2047 encoded subjects are now parsed correctly using the default charset.                                                                                                                                                                                                                                              |
| 56939 |                                                                                                                                                                                                                                                                                                                            |

### Security Fixes for 7.1.1

- Upgrade to Postfix 2.7.4 to resolve memory corruption in Postfix SMTP server Cyrus SASL support (CVE-2011-1720).
- Resolved an issue when re-authenticating as another user after session expiration, content displayed from the previously authenticated account. (Bug 59846)

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## Beta Features in ZCS 7.1

The following features included with ZCS 7.1 are considered BETA quality. These feature **should not be enabled** in a production environment and are not supported.

- A new calendar view, Free/Busy View, can be enabled from the COS/ Account Features tab. This view lets users set up a free busy schedule to track the free busy status of different people and resources in one place. (Bug 34827, 55904)
- **zmmsgtrace** replacement was added to 7.1.1. This is zmmsgtrace: version 1.05. Description follows.

### Usage:

```
zmmsgtrace [options] [<mail-syslog-file>...]
```

```
--id|i "msgid"                # case sensitive regex
--sender|s "user@domain"      # case insensitive regex
--recipient|r "user@domain"  # case insensitive regex
--srchost|F "hostname_or_ip" # case insensitive regex
--desthost|D "hostname_or_ip" # case insensitive regex
--time|t "start_ts,end_ts"    # YYYYMM[DD][HH[MM[SS]]]
--year "YYYY"                 # file year if no YYYY in file
--nosort                      # do not sort @ARGV files by mtime
--debug                       verbose output useful for debugging
--help                        display a brief help message
--man                         display the entire man page
```

### Where:

```
<mail-syslog-file> defaults to "/var/log/zimbra.log"
```

```
Files ending in '.gz', '.bz' or '.bz2' will be read using gzip or
bunzip2.
```

This is considered a BETA for 7.1. (Bug 41078)

## Future Changes to ZCS

This section documents major changes to future releases of ZCS.

- Extra and experimental Zimlets in **/opt/zimbra/zimlets-experimental** and **opt/zimbra/zimlets-extra** will be removed from ZCS installation in the next major release of ZCS. Zimlets will be available from the Zimbra Gallery, <http://gallery.zimbra.com>. (Bug 52813)

- Zimbra Instant Messaging (IM) capabilities are going to be removed in the next major release of ZCS. These capabilities include the embedded IM server and the Zimbra IM Client (part of the Zimbra Web Client). Zimbra IM is marked BETA and **should not be enabled** in a production environment and is not a supported feature.
- Family Mailbox feature is not supported in ZCS 7.X and will be removed in the next major release of ZCS. We plan to provide a capability to enable multi-account support in ZWC as a replacement for the Family Mailbox feature.

## Upgrade Process

To upgrade from 5.0.x or 6.0.x to 7.1.x, download the latest ZCS 7.1.x and run the upgrade.

## Before You Upgrade

The following may need to be done before you upgrade.

### Zimbra Database Integrity Check

Some customers have had corrupted databases prior to upgrade, and the upgrade has in some of those cases exacerbated the problem. In order to detect any corrupted databases as early as possible, we have added an optional step to check the MySQL database with **zmdbintegrityreport** prior to making any system changes. You are prompted to decide if you would like to run the **zmdbintegrityreport**.

The **zmdbintegrityreport** can take minutes to an hour to run, depending on your system size and disk bandwidth.

**Note:** *The **zmdbintegrityreport** is run on a weekly basis from cron on all zimbra-store nodes. Large sites can opt to disable this by setting `zmlocalconfig -e zmdbintegrityreport_disabled=TRUE`. If you choose to disable this, it is recommended that the integrity reports be run by hand during the your normal maintenance windows and prior to running any ZCS upgrades.*

### Preparing your OS

Before you upgrade ZCS, Zimbra recommends that the operating system is updated with the latest patches that have been tested with ZCS.

**Important:** *If your OS is SUSE Linux Enterprise Server 11, make sure you have SP1 installed. Zimbra supports only SLES11, SP1. (Bug 52031)*

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## Verify Certificates Expiration Date

ZCS 7.1.x requires a valid self-signed or commercial SSL certificate for communication between some components. The self-signed certificates that are automatically created by the ZCS install have a default expiration of 365 days.

If you have an ZCS installation that is over one year old and are using self-signed certificates, your certificates will need to be updated either prior to the upgrade or immediately following the upgrade.

After you upgrade, the following commands run as the zimbra user will regenerate the self-signed SSL certificates:

- **sudo zmcertmgr createca -new**
- **sudo zmcertmgr deployca**
- **sudo zmcertmgr deploycrt self -new**

## Upgrade Instructions

Go to [www.zimbra.com](http://www.zimbra.com) Open Source Edition Download page for the latest version of the software.

**Important:** Even though the upgrade process does not delete accounts on the mailbox server, you should back up the mailbox server before you begin the upgrade. After you upgrade, you should back up your server again.

When you run the install script, if ZCS is already installed, you will be asked if you want to upgrade. Follow the instructions in this release note to perform the upgrade. For additional information, refer to the installation guide.

### Single-Server Upgrade Steps

Read the release notes before you begin.

You do not need to stop the services before upgrading. The upgrade process automatically stops and starts the services as required for the upgrade.

**Important:** *Zimbra recommends that you run a command such as the UNIX command, Immune to Hangups (**nohup**), so that the session does not terminate before the upgrade is completed. This is important when the upgrade includes restoring a configuration that has a large number of accounts.*

1. Log in as root to the Zimbra server and **cd** to the directory where the Zimbra Collaboration Server Open Source Edition archive tar file is saved (cd /var/tmp). Type the following commands:

**tar xzvf zcs.tgz**, to unpack the file

**cd [zcsversionfullname]**, to change to the correct directory

`./install.sh`, to begin the upgrade installation

The upgrade script begins by checking for an existing installation .

2. The Zimbra software agreement is displayed. Read this software license agreement and type **Y**.
3. The installer checks for prerequisites. If any are missing, the upgrade stops. Next, **Do you want to verify message store database integrity (Y)** is displayed. The default is Yes. This step runs `zmdbintegrityreport` to verify that the MySQL database is not corrupt before upgrading to the latest ZCS.  
  
The `zmdbintegrityreport` can take minutes to an hour to run, depending on your system size and disk bandwidth. It is preferable that you run `zmdbintegrityreport` at the time of the ZCS upgrade. If you choose to skip this now, the `zmdbintegrityreport` will run during a regular scheduled interval after the upgrade is finished.
4. When **Do you wish to upgrade? [Y]** is displayed, press **Enter** to continue. The upgrade packages are unpacked.
5. The packages are listed. The installer also lists packages that are not installed. If you want to install the packages at this time, type **Y**; otherwise press **Enter**. The upgrade checks that there is enough space to perform the upgrade. If there is not enough space, the upgrade stops.
6. When **The system will be modified. Continue? [N]** is displayed, type **Y** and press **Enter**. The Zimbra server is stopped, and the older packages are removed. The upgrade process verifies which version of ZCS is being run and proceeds to upgrade the services, restores the existing configuration files, and restarts the server. If you have a configuration with a large number of accounts created, this can take a while.
7. If you have not set the time zone, you will be asked to set it. This sets the time zone in the default COS. The time zone that should be entered is the time zone that the majority of users in the COS will be located in.
8. When **Configuration complete – press return to exit** displays, press **Enter**. The upgrade is complete.

## Multi-Server Environment Upgrade Steps

Before you begin, stop all the servers in your ZCS environment. To do this, on each server, as `zimbra` type `zmcontrol stop`.

**Important:** Upgrade the servers in the following order: LDAP server, MTA server, and then mail store server. The LDAP master server should be running as you upgrade the other servers.

1. Log in as `root` to the Zimbra server and `cd` to the directory where the Zimbra Collaboration Server upgrade archive tar file is saved (`cd /var/tmp`). Type the following commands:  
  
`tar xzvf zcs.tgz`, to unpack the file

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`cd [zcsversionfullname]`, to change to the correct directory

`./install.sh`, to begin the upgrade installation

The upgrade script begins by checking for an existing installation.

2. The Zimbra software agreement is displayed. Read this software license agreement and enter **Y**.
3. The installer checks for prerequisites. If any are missing, the upgrade stops.
4. When you upgrade the mail store server, the installer displays **Do you want to verify message store database integrity (Y)** is displayed. The default is **Yes**. This step runs `zmdbintegrityreport` to verify that the MySQL® database is not corrupt before upgrading to the latest ZCS.

Running `zmdbintegrityreport` can take minutes to an hour to run, depending on your system size and disk bandwidth. It is preferable that you run `zmdbintegrityreport` at the time of the ZCS upgrade. If you choose to skip this now, the `zmdbintegrityreport` will run during a regular scheduled interval after the upgrade is finished.

When the mySQL software versions are changed during upgrades, the underlying database tables need to be upgraded. The `zmdbintegrityreport` does this automatically during its first run and will report the changes. These are normal and should not cause alarm when upgrading.

5. When **Do you wish to upgrade? [Y]** is displayed, press **Enter** to continue. The upgrade packages are unpacked.
6. The packages you want to install on the server should be marked **Y**. All other packages should be marked **N**.  
  
The upgrade checks that there is enough space to perform the upgrade. If there is not enough space, the upgrade stops.
7. When **The system will be modified. Continue?** is displayed, type **Y** and press **Enter**. The server is stopped and the older packages are removed. The upgrade process verifies which version of ZCS is being run and proceeds to upgrade the services, restores the existing configuration files, and restarts the system. If you have a configuration with a large number of accounts created, this can take a while.
8. When **Configuration complete – press return to exit** displays, press **Enter**. The upgrade is complete. Continue to upgrade each server.

### After the Upgrade is Complete

After you completed the upgrade to 7.1, the following bullet items may need to be addressed.

- MySQL table upgrade is required after upgrading to ZCS 7.0 or later. MySQL table upgrades are not automatically run during the upgrade to 7.0 based on time that it takes this process to run. There is no known performance impact when running in production without doing this MySQL table upgrade. Customers can avoid these errors in the `zmbdbintegrityreport` output by executing `/opt/zimbra/libexec/scripts/migrate20100913-Mysql51.pl`. (Bug 24329, 50557)

Applying the `Mysql51.pl` script requires all Zimbra services except `mysql.server` to be stopped.

This script should be executed on all the mailstore servers where the `mailboxd` process is running. For a 4000 mailbox, 250 MB mailbox size, the script could take about 70 minutes to run. Customers should schedule their maintenance window accordingly.

To run the script:

1. Switch to zimbra user.

```
su - zimbra
```

2. Stop `mailboxd` services to avoid email communications that might cause an interruption.

```
zmmailboxdctl stop
```

3. Execute the perl script to upgrade the database tables.

```
/opt/zimbra/libexec/scripts/migrate20100913-Mysql51.pl
```

4. Start the `mailboxd` service.

```
zmmailboxdctl start
```

- If your self-signed SSL certificates have expired, update them. See [Verify Certificates Expiration Date on page 12](#).
- If you have configured the following keys, you will need to replace them as described here.

The following keys are deprecated:

```
httpclient_client_connection_timeout  
httpclient_connmgr_connection_timeout  
httpclient_connmgr_idle_reaper_connection_timeout  
httpclient_connmgr_idle_reaper_sleep_interval  
httpclient_connmgr_keepalive_connections  
httpclient_connmgr_max_host_connections  
httpclient_connmgr_max_total_connections  
httpclient_connmgr_so_timeout  
httpclient_connmgr_tcp_nodelay
```

and are replaced by the following keys:

---

`httpclient_internal_client_connection_timeout`  
`httpclient_internal_connmgr_connection_timeout`  
`httpclient_internal_connmgr_idle_reaper_connection_timeout`  
`httpclient_internal_connmgr_idle_reaper_sleep_interval`  
`httpclient_internal_connmgr_keepalive_connections`  
`httpclient_internal_connmgr_max_host_connections`  
`httpclient_internal_connmgr_max_total_connections`  
`httpclient_internal_connmgr_so_timeout`  
`httpclient_internal_connmgr_tcp_nodelay`  
`httpclient_external_client_connection_timeout`  
`httpclient_external_connmgr_connection_timeout`  
`httpclient_external_connmgr_idle_reaper_connection_timeout`  
`httpclient_external_connmgr_idle_reaper_sleep_interval`  
`httpclient_external_connmgr_keepalive_connections`  
`httpclient_external_connmgr_max_host_connections`  
`httpclient_external_connmgr_max_total_connections`  
`httpclient_external_connmgr_so_timeout`  
`httpclient_external_connmgr_tcp_nodelay`

- If your pam configuration rules disallow null passwords, you will need to define a password for the Zimbra UNIX account after the upgrade. This will allow SSH key authentication for checking remote queues. (Bug 12807)

### Upgrading new 7.0 Features

The following features can be enabled from the ZCS administration console, COS or Account>Features tab:

- Ability to let users recover deleted items. Enable **Dumpster folder** (Bug 30582, 45284)
- Ability to send mail at a later time. Enable **Mail send later**. (Bug 7524, 51673)

### Removing current version and performing a clean install for ZCS

If you do not want to upgrade, but prefer to install ZCS Open Source Edition as a new installation, when you run the ZCS install script, enter **N** (no) when asked **Do you wish to upgrade?**

A warning displays asking if you want to delete all existing users and mail. If you enter **Yes**, all users, mail, and previous files are removed before proceeding with the new installation. Refer to the installation guides for installation instructions.



## Status of Your Customizations to ZCS after Upgrade

Upgrading to the newest release does not delete your accounts or change your configuration.

Configuration settings stored in LDAP and localconfig are preserved during upgrades. Any files installed by ZCS may be deprecated and/or overwritten during upgrades, removing any customizations. This includes customized themes, logo branding changes, and crontab changes.

Zimlets that you customized and deployed are preserved during the upgrade. As upgrading of customized Zimlets can not be tested before the release, Zimbra recommends that you verify that your customized Zimlets work correctly after the upgrade.

All entries between the designated comments in the Zimbra crontab file are overwritten with new defaults upon upgrade.

## Known Issues

Zimbra engineering has identified a number of issues with the software, and we are actively working to resolve them. Following are the issues that are most likely to occur. All known bugs are listed in Zimbra's Bugzilla database, available on the Zimbra web site, at [www.zimbra.com](http://www.zimbra.com).

### General Known Issues

| Issue # | Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | <p>Known third-party browser issues</p> <p>Some browser issues can affect how the Zimbra administration console and Zimbra Web Client work.</p> <p>When you get a browser error, try reloading the browser to continue.</p> <ul style="list-style-type: none"> <li>• If you use the Firefox browser, the cursor position may not be visible in the text boxes, and you have no visual feedback to continue to enter text. Even though you cannot see the cursor, type in the boxes as normal.</li> <li>• If mail is displayed in HTML format, you cannot select the text with the mouse.</li> </ul> |
| 48997   | <p>Customers currently on ZCS 6.0.8 and using a non-default password change listener should make sure that the zimbraPasswordChangeListener attribute is set up correctly at the domain level, before upgrading to ZCS 7.1.</p> <p>To check the value of the attribute, run</p> <pre>\$ zmprov gd YOUR_DOMAIN zimbraPasswordChangeListener</pre> <p>To change the value, say, to the samba password listener, run</p> <pre>\$ zmprov md YOUR_DOMAIN zimbraPasswordChangeListener sambapassword</pre>                                                                                                |

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|              |                                                                                                                                                                                                               |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>55174</b> | Calendar Week Numbers displayed in the mini-calendar are wrong when the Calendar preferences for <b>Start week on</b> is set to Monday.                                                                       |
| <b>55459</b> | If the Short Cut Trainer Zimlet is enabled, when a message is deleted a script error is displayed. To avoid this, disable this Zimlet. This is not a supported Zimlet.                                        |
| <b>54278</b> | Family Mailbox is not supported in ZCS 7.0. See Future Changes to ZCS on page 10 for more information.                                                                                                        |
| <b>53728</b> | VMware does not support Red Hat Cluster Suite on ESX/ESXi.                                                                                                                                                    |
| <b>47823</b> | A forwarded recurring appointment instance will not update the organizer's attendee list. Therefore, if the organizer modifies the appointment, the user with the forwarded appointment will not get updated. |
| <b>44540</b> | After activating or updating a license, the administrator can run <b>zmprov fc -a license</b> to immediately flush the license cache on all mailbox nodes.                                                    |
| <b>51641</b> | Third-party issue. iPhone calendar may not sync correctly when declining or accepting an appointment in ZWC after the appointment has already been accepted/declined from iPhone.                             |
| <b>60563</b> | The Undo Send Zimlet may cause messages to be sent with no content in the body. To avoid this, disable the Zimlet.                                                                                            |

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## Product Documentation

Online help and ZCS documents are available on the administration console. Documentation can also be found on the Zimbra web site in pdf, and the Zimbra wiki has articles that the support team and the community have written in response to troubleshooting and administration issues.

## Bug Reporting

If you encounter problems with this software, go to <http://bugzilla.zimbra.com> to submit a bug report. Make sure to provide enough detail so that the bug can be easily duplicated. Also, to discuss issues and this software in general, please visit our community forums at <http://www.zimbra.com/forums>.

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ZCS 7.1.3 September 2011