This release note describes the new features and enhancements that are available in the ZCS 7.2.4 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 7.2 on page 2
• Enhancements in 7.2.3 on page 2
• System Updates for 7.2 on page 2
• Major Issues Fixed for 7.2.4 on page 3
• Major Issues Fixed for 7.2 on page 3
• Security Fixes for 7.2 on page 6
• Beta Features in ZCS 7.2 on page 6
• Future Changes to ZCS on page 7
• Upgrade Process on page 7
• Before You Upgrade on page 7
• Status of Your Customizations to ZCS after Upgrade on page 13
• Known Issues on page 14
• Product Documentation on page 16
• Bug Reporting on page 19

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.
Major New Feature Enhancements for 7.2

Enhancements in 7.2.3

• Added support for migrating data from 7.2.3 FileBlobStore to 8.0.3 (and higher) ExternalStoreManager implementations. (Bug 79636)

Enhancements in 7.2.1

• SUSE Linux Enterprise Server 11 SP2 is now a tested and supported platform.

Upgrading from previous SUSE Linux Enterprise Server versions.

• Disable zimbra services.
• Upgrade ZCS per zimbra installation guide using the ZCS build for SUSE Linux Enterprise Server 11 SP2.

(Bug 71422)

• Added support for VALARM ACTION=NONE. (Bug74229)

Enhancements in 7.2

• New updates in the install include
  • Upgrading Crypt-OpenSSL-RSA to .027 (Bug 69579)
  • Upgraded to Perl Berkeley DB module 0.43 (Bug 69566)
  • Upgraded to Postfix 2.7.8 (Bug 69880)

System Updates for 7.2

Deprecated Platforms for Open Source Edition (Bug 71357)

• Debian 5 (32-bit and 64-bit)
• Fedora 11 (64bit x 86)
• Fedora 13 (64-bit)
• Red Hat Enterprise Linux 4 (32bit and 64-bit)
• Red Hat Enterprise Linux 5 (32bit and 64-bit)
• SUSE Linux Enterprise Server 10 (32bit and 64-bit)
• Ubuntu 8.04 LTS (32-bit and 64-bit)

Note: Deprecated platforms will EOL after ZCS 7.2
Browser Support (Zimbra Web Client):

Internet Explorer 6.0 is not supported for view the Advanced Web Client. It is only supported for viewing the Standard Web Client.

Major Issues Fixed for 7.2

To see a list of all the changes for this release, see the Zimbra Product Portal, (http://pm.zimbra.com/pm_release.php?rel=7.0&prod=zcs)

Major Issues Fixed for 7.2.4

<table>
<thead>
<tr>
<th>35965</th>
<th>Private events within shared calendars no longer show the organizer’s name.</th>
</tr>
</thead>
<tbody>
<tr>
<td>42332</td>
<td>Fixed the issue which caused stat-charts to not display properly.</td>
</tr>
<tr>
<td>76512</td>
<td>When running zmproxypurge, all aliases are purged.</td>
</tr>
<tr>
<td>79136</td>
<td>Fixed the issue which caused an error when using spell check if language preference is set to Japanese.</td>
</tr>
<tr>
<td>79603</td>
<td>Fixed the issue that caused the attendee status in an appointment to not be updated, even though the invitation was accepted.</td>
</tr>
</tbody>
</table>

Major Issues Fixed for 7.2.3

<table>
<thead>
<tr>
<th>56743/79145</th>
<th>Fixed issue causing items not to display or giving an error when downloading or selecting files in the sub-folders of a shared briefcase.</th>
</tr>
</thead>
<tbody>
<tr>
<td>62727</td>
<td>When composing an email and selecting <em>Always compose in new window</em> and <em>Add new contacts to Emailed Contacts</em>, the recipient address now registers in Emailed Contacts correctly.</td>
</tr>
<tr>
<td>79039</td>
<td>Fixed issue causing Calendar resources to be double booked.</td>
</tr>
<tr>
<td>79480</td>
<td>Free/Busy for appointments in 2013 now display when viewed in Exchange 2007</td>
</tr>
<tr>
<td>79506</td>
<td>Shared calendars can now display in a separate window.</td>
</tr>
<tr>
<td>79621</td>
<td>The proxy no longer retries HTTP POST requests. This previously caused unnecessary load on the mail store.</td>
</tr>
<tr>
<td>79926</td>
<td>Optimized the locking of the Provisioning object.</td>
</tr>
<tr>
<td>80379</td>
<td>Fixed Brazil timezone issue affecting the week of daylight savings time.</td>
</tr>
</tbody>
</table>

Major Issues Fixed for 7.2.2

<table>
<thead>
<tr>
<th>62321</th>
<th>Fixed issue that caused fresh Lion installation with Zimbra iSync Connector to duplicated iCal accounts.</th>
</tr>
</thead>
<tbody>
<tr>
<td>63357</td>
<td>Task list view fields are now updated after they are edited.</td>
</tr>
</tbody>
</table>
Major Issues Fixed for 7.2.1

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>31536</td>
<td>Mailbox data can be recovered from the redo log. In order to do redo replay, the server must be stopped and the account data must exist in LDAP. If the account does not exist in LDAP, it must be re-provisioned before redo replay can restore the mailbox data.</td>
</tr>
<tr>
<td>65475</td>
<td>Quarantined email is retained for 30 days not 7 days.</td>
</tr>
<tr>
<td>76700</td>
<td>ZCS cluster zimlet was trying to access httpOnly cookie which is no longer available after release 7.2.0. This resulted in a session expired on the admin console. The Cluster zimlet has been fixed to pass the correct parameters.</td>
</tr>
<tr>
<td>73298/76851/77472</td>
<td>Calendar. Issues in Calendar localized version around Reminder timer and saving appointments has been fixed.</td>
</tr>
<tr>
<td>77027</td>
<td>Install and Upgrade. The MTA restarts correctly after upgrade or install.</td>
</tr>
<tr>
<td>77070</td>
<td>PST migration. PST migration now only imports new and incremental data when Ignore previously imported items option is selected.</td>
</tr>
<tr>
<td>77478</td>
<td>The fix moves the endTransaction() call into a finally block so that it is invoked regardless of error. Previously, an error during search could leave the mailbox in a locked state.</td>
</tr>
</tbody>
</table>
Major Fixes in 7.2

41078  zmmsgtrace replacement was added to 7.1.1 and is GA in 7.2.
This is zmmsgtrace: version 1.05. Description follows.
Usage:
    zmmsgtrace [options] [<mail-syslog>...]

    --idji "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"  # YYYYMMDDHHMMSS
    --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> defaults to "/var/log/zimbra.log"

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

44587  Added support for charset iso-8859-8-i

50606  When users use QuickAdd to create an appointment, users are notified if a location they select is restricted.

56930  Issue with the browser menu not displaying correctly when right-clicking an address in the email has been fixed.

58632  Fixed the issue that caused some incoming messages to be blank when displayed.

62160  The server will no longer display duplicate UIDs to IMAP clients. This is now caught internally and a warning is logged. This bug is opened as NEEDINFO as there is a possibility that all the symptoms in the bug were not addressed with this fix.

62962  Fixed the problem that caused breaks with amavisd and prevented anti-virus from running when commas were used in zimbraMtaMyNetworks.

64466/  Delete IMAP cache data directory orphaned from Ecache implementation in bug 64467.
64467

66388  Banned-content emails now go to the Virus Quarantine Account.

66800  A warning that all exceptions (before and after this instance) in the series will be deleted is now displayed when modifying future instances of an appointment.

67894  Calendar sync now works after moving appointments. Now it gracefully skips any mail item present in the calendar folder causing exception during sync by the ActiveSync clients. This fix prevents any 5xx response from the server.
Security Fixes for 7.2

Release 7.2 includes several security fixes.

Beta Features in ZCS 7.2

The following feature included with ZCS 7.2 are considered BETA quality. This feature should not be enabled in a production environment and is 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)

**Future Changes to ZCS**

This section documents major changes to future releases of ZCS.

• **zimbra_posixaccount** and **zimbra_samba** extensions will be removed from ZCS installation in the next major release of ZCS. They will be available from the Zimbra Gallery, [http://gallery.zimbra.com](http://gallery.zimbra.com) and be supported and maintained by the Zimbra Community. (Bug 72160)

• Zimbra Desktop will EOL in a future release of Zimbra but ZD 7.2 will be supported with Zimbra 8. The technology choices to provide offline access to Zimbra have expanded since the release of Zimbra Desktop 1.0.

• 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](http://gallery.zimbra.com). (Bug 52813)

• The Social and LinkedIn Zimlets will be moved to the Zimbra Gallery in a future release to be supported and maintained by the Zimbra Community.

• HTTPStoreManager is deprecated in 7.2 and EOL in 8. ZCS 8 will include a new StoreManager SDK for integrations with third party storage solutions.

• 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 6.0.x to 7.2.x, download the latest ZCS 7.2.x and run the upgrade.

**Before You Upgrade**

The following might 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 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)

Verify Certificates Expiration Date

ZCS 7.2.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 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.

Important: VMware recommends that an install or upgrade session be run with a UNIX command such as “screen” to help prevent an install or upgrade session from terminating before it is completed. This is important when the upgrade includes restoring a configuration that has a large number of accounts.

Example command usage: screen ./install.sh

Note: You cannot revert to a previous ZCS release after you upgrade.

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.

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.

4. 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.

5. When Do you wish to upgrade? [Y] is displayed, press Enter to continue. The upgrade packages are unpacked.
6. 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.

7. 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.

8. 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.

9. When Configuration complete – press return to exit displays, press Enter. The upgrade is complete.

Multi-Server Environment Upgrade Steps

Upgrade the servers in the following order. Update each server one at a time.

- LDAP master server. The LDAP master server must be running as you upgrade the other servers.
- LDAP replicas
- MTA servers
- Proxy servers
- Mail store servers

Procedure

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
   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 it's 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 7.2, the following bullet items may need to be addressed.

- If you upgrading from 6.X to to ZCS 7.0 or later, MySQL table upgrade is required after upgrading. MySQL table upgrades are not automatically run during the upgrade to 7.X, because of the 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 zmdbintegrityreport 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 mailbox 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 8.

   • 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
   ```
Enabling new 7. X 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)

Remove Current Version and Perform Clean Install of 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

<table>
<thead>
<tr>
<th>Issue #</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Known third-party browser issues</td>
<td>Some browser issues can affect how the Zimbra administration console and Zimbra Web Client work. When you get a browser error, try reloading the browser to continue.</td>
</tr>
<tr>
<td>• 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.</td>
<td></td>
</tr>
<tr>
<td>• If mail is displayed in HTML format, you cannot select the text with the mouse.</td>
<td></td>
</tr>
<tr>
<td>76843</td>
<td>Installing Certificate from the administration console issue: If you do not have an existing .csr on the server, the Download the CSR link in the Certificate Installation Wizard does not work. Work around: Make sure that a .csr file is in the <code>${zimbra_home}/mailboxd/webapps/zimbraAdmin/tmp/current.csr</code> directory before you begin. When you configure the new certificate from the administration console, make sure you check Replace the existing CSR on the Generate the Certificate Signing Request page in the certificate installation wizard.</td>
</tr>
<tr>
<td>48997</td>
<td>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.x. To check the value of the attribute, run $ zmprov gd YOUR_DOMAIN zimbraPasswordChangeListener To change the value, say, to the samba password listener, run $ zmprov md YOUR_DOMAIN zimbraPasswordChangeListener sambapassword</td>
</tr>
<tr>
<td>55174</td>
<td>Calendar Week Numbers displayed in the mini-calendar must be set to Monday to display the correct European week numbers.</td>
</tr>
<tr>
<td>55459</td>
<td>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.</td>
</tr>
<tr>
<td>50272</td>
<td>Harmless errors are reported by the zmdbintegrityreport.</td>
</tr>
<tr>
<td>ID</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>54278</td>
<td>Family Mailbox is not supported in ZCS 7.X. See Future Changes to ZCS on page 7 for more information.</td>
</tr>
<tr>
<td>53728</td>
<td>VMware does not support Red Hat Cluster Suite on ESX/ESXi.</td>
</tr>
<tr>
<td>47823</td>
<td>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.</td>
</tr>
<tr>
<td>44540</td>
<td>After activating or updating a license, the administrator can run <code>zmprov fc -a license</code> to immediately flush the license cache on all mailbox nodes.</td>
</tr>
<tr>
<td>51641</td>
<td>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.</td>
</tr>
<tr>
<td>60563</td>
<td>The Undo Send Zimlet might cause messages to be sent with no content in the body. To avoid this, disable the Zimlet.</td>
</tr>
</tbody>
</table>
The ability to completely disable SSL Renegotiation might be desirable for some environments, but due to the performance degradation it is not optimal to use as a default setting.

The SslSelectChannelConnector can be forced to disable client renegotiate requests via the "allowRenegotiate" attribute, for said connector, in jetty.xml.in/jetty.xml.

The default setting is allowRenegotiate=TRUE. Explicitly setting to "FALSE" will configure ZCS to always disallow SSL renegotiation for the SSL connector in question. A mailboxd restart is required for this change.

For instance:

```xml
<New id="ssl" class="org.eclipse.jetty.server.ssl.SslSelectChannelConnector">
  <Set name="Port">%%zimbraMailSSLPort%%</Set>
  <Set name="allowRenegotiate">FALSE</Set>
  <Set name="useDirectBuffers">%%zimbraMailUseDirectBuffers%%</Set>
  <Set name="maxIdleTime">30000</Set>
  <Set name="lowResourcesMaxIdleTime">10000</Set>
  <Set name="Acceptors">2</Set>
  <Set name="keystore"><SystemProperty name="jetty.home" default=".">/etc/keystore</Set>
  <Set name="password">@@mailboxd_keystore_password@@</Set>
  <Set name="KeyPassword">@@mailboxd_keystore_password@@</Set>
  <Set name="ExcludeCipherSuites">
    <Array type="java.lang.String">
      %%zimbraSSLExcludeCipherSuitesXML%%
    </Array>
  </Set>
  <Set name="Forwarded">true</Set>
</New>
```

When receiving an encrypted message with attachments, the Download, Briefcase and Remove links are not displayed, and the size of the attachment is not available.

Zimbra logger is not directly supported in mixed syslog (rsyslog, syslogd, sysklogd) environments due to formatting differences between the varying systems.

**Product Documentation**

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

**XML Examples for use with the Account Migration Wizard from the Administration Console**

The following are three examples of the XML file structure to provision accounts and import data.

**Example of provisioning accounts.** The following example shows an XML file that is used to provision multiple email accounts without importing mail:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ZCSImport>
  <ImportUsers>
    <User>
      <sn>Sample</sn>
      <givenName>Sam</givenName>
      <displayName>Sam Sample</displayName>
      <RemoteEmailAddress>ssample@example.com</RemoteEmailAddress>
      <password>test123</password>
      <zimbraPasswordMustChange>TRUE</zimbraPasswordMustChange>
    </User>
    <User>
      <sn>Zackry</sn>
      <givenName>Zak</givenName>
      <displayName>Zak Zackry</displayName>
      <RemoteEmailAddress>zzackry@example.com</RemoteEmailAddress>
      <password>test123</password>
      <zimbraPasswordMustChange>TRUE</zimbraPasswordMustChange>
    </User>
  </ImportUsers>
</ZCSImport>
```
Example of provisioning accounts from externally hosted domains. The following example shows an XML file that is used to provision multiple email accounts for an externally hosted domain without importing mail. In this example, the zimbraMailTransport attribute of newly provisioned accounts will be set to point to external SMTP server instead of the ZCS server.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ZCSImport>
  <SMTPHost>smtp.example.com</SMTPHost>
  <SMTPPort>25</SMTPPort>
  <ImportUsers>
    <User>
      <sn>Sample</sn>
      <givenName>Sam</givenName>
      <displayName>Sam Sample</displayName>
      <RemoteEmailAddress>sam@example.com</RemoteEmailAddress>
    </User>
    <User>
      <sn>Zackry</sn>
      <givenName>Zak</givenName>
      <displayName>Zak Zackry</displayName>
      <RemoteEmailAddress>zzackry@example.com</RemoteEmailAddress>
    </User>
  </ImportUsers>
</ZCSImport>
```

Example of importing email. The following example shows an XML file that is used to import email for one account via IMAP from a gmail account without provisioning the email account in ZCS. The account must be provisioned on ZCS before running this type of XML file.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ZCSImport>
  <IMAPHost>imap.gmail.com</IMAPHost>
  <IMAPPort>993</IMAPPort>
  <ConnectionType>ssl</ConnectionType>
  <UseAdminLogin>0</UseAdminLogin>
  <ImportUsers>
    <User>
      <sn>Sample</sn>
      <givenName>Sam</givenName>
      <displayName>Sam Sample</displayName>
      <RemoteEmailAddress>sam@example.com</RemoteEmailAddress>
      <RemoteIMAPLogin>sam@example.com</RemoteIMAPLogin>
      <remoteIMAPPassword>test123</remoteIMAPPassword>
    </User>
  </ImportUsers>
</ZCSImport>
```
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.

-----------------------------------------------------------------------------------------------

Copyright © 2013 VMware, Inc. All rights reserved.

VMware and Zimbra are registered trademarks or trademarks of VMware, Inc. in the United States and/or other jurisdiction. All other marks and names mentioned herein may be trademarks of their respective companies.

ZCS 7.2.4

June 2013