Release Overview

This release note refers to the Zimbra Collaboration Suite Open Source Edition 5.0.26 release from Zimbra, Inc. This is a generally available (GA) release expected to run in production environments.

The Zimbra Collaboration Suite Open Source Edition 5.0.26 is a next generation collaboration solution. ZCS provides next generation messaging and collaboration tools, including email, address books, group calendaring functionality, task lists, and Web document authoring and sharing, along with rich browser-based interfaces for both end-users and administrators. A comprehensive feature list is available on the Zimbra web site at www.zimbra.com.

Before you install the upgrade, please review the Known Issues section for a list of outstanding issues in this release.
New Features for 5.0

Following is a list of major enhancements for ZCS 5.0.X.

- Task Lists. Disabled by default when you upgrade; for new installations, the Tasks feature is enabled. A new Tasks tab is added to the application tabs. The tasks list feature includes the ability to create multiple task lists, create tasks, manage a task, including setting the priority and tracking the progress.

- Documents. On by default when you upgrade and for new installations. Documents is a document sharing and collaboration application that gives you a central place on the Zimbra Web Client to develop, organize, and share information.

- Briefcase. Off by default when you upgrade; for new installations, Briefcase is enabled. Briefcase lets you save files on the Zimbra Web Client so that you can access them whenever you log on to the ZWC.

- Delegated Mailbox. Users can share any of their email folders, including the Inbox and sub-folders.

- Users can be notified when their mailbox is almost full (quota feature).

- Calendar entries can be marked private or public.

- Search for an appointment up to 180 days in the future.

- Photos and images can be uploaded and synced to the address book contacts list.

- Message priority can be set.

- Instant notification of email messages can be enabled.

- Major changes to the administration console include:
  - Layout of the administration console has been improved. You can open more than one function at a time. Tabs are opened above the Content pane.
  - Search queries can be saved.
  - Search for all administrators and domain administrators on ZCS.
  - Last login time is displayed from the administration console Accounts content pane.
  - Default time zone set in the COS/Admin can now be changed by users. This timezone is used for Zimbra Mobile and the standard Zimbra Web client.
  - Monitoring, Server Statistics for individual servers now includes a Sessions tab that displays information about active web client, administrator and IMAP sessions.
  - Certificates can be managed and installed from the administration console.
• The Jetty Web server is now used as the server container that the Zimbra software runs within. Reference to this servlet is called \texttt{mailboxd}
• Domain name can be changed from the zmprov CLI
• Ngnix is used to support more scalable POP/IMAP proxy
• Domain's status can be set, including status of Suspended
• Account level logging can be configured
• ZCS HTTP mode now includes Redirect. Redirect mode redirects any users connecting via HTTP to a HTTPS connection
• If more than one language locale has been installed on ZCS, users have the option to select the locale that is different from the browser language settings from the Preferences, General tab
• Major import and migration feature enhancements:
  • Tasks can be imported/migrated
  • The types of items (appointments, email, contacts, and tasks) to import can be selected
  • Photos associated with contacts can be imported/migrated
  • Appointments and tasks private status is retained

\textbf{Enhancements for 5.0.X}

\textbf{New Features for 5.0.22, 5.0.23, 5.0.24, 5.0.25}

No new features were added.

\textbf{New Features for 5.0.20}

No new open source features for 5.0.20

\textbf{New Features for 5.0.19}

No new open source features for 5.0.19

\textbf{New Features for 5.0.18}

No new open source features for 5.0.18

\textbf{New Features for 5.0.17}

5.0.17 was not released.
New Features for 5.0.16

- Resource accounts are marked as Busy when a resource accepts a meeting invite. This will avoid the issue of double booking a resource. (Bug 26407)
- ZCS 5.0.16 support Internet Explorer 8 (Bug 24377)
- A new tool is available to migrate ZCS accounts to another ZCS server when moving accounts between two separate ZCS installs. Individual account data, including email messages, contacts, calendar, tasks are migrated as tar files. This is a BETA release. See Beta-quality features included with ZCS 5.0., page 17. (Bug 30163)
- ZCS now can determine the correct MIME type for a file so that these files open in the correct application (Bug 32536).
- The zmprov CLI now includes a command to create an alias domain, createAliasDomain (alias-domain-name) (local-domain-name|id) (attri1 value 1 [attr2 value2...]] (Bug 35574)
- Administrators are notified when the mailbox server disk is near full. The default is to send out warning alerts when the threshold is 85% and a critical alert when the threshold is 95%. This threshold can be configured. (Bug 16900 33010)
- Free Busy Interop is GA at 5.0.16. Viewing the Free/Busy Schedule of users that are across a mix of ZCS servers and third party email servers can be configured. For this release, this interop feature can be configured between ZCS and Microsoft Exchange Servers.

New Features for 5.0.15

No new features were introduced in the 5.0.15 release. 5.0.15 fixed a ZCO network edition issue.

New Features for 5.0.14

- Calendar Resources can now be configured to accept appointments for some of the invitations in a recurring meeting if the number of conflicts for the resource is within the configured limit. The Maximum Allowed Number of Conflicts and the Maximum Allowed Percent of Conflicts can be configured from the Administration console. (Bug 35259)
- Domino Migration Wizard has been enhanced so that when Contact migration option is the only selection, other unnecessary folders are not replicated. (Bug 34916)
- ZCO. Customizations made by the administrator are now available for all users to change. (Bug 35196)
- When upgrading ZCS a Logger Database Integrity check can be run. See Zimbra Logger Database Integrity Check (5.0.14), page 45.
New Features for 5.0.13

No new features were introduced in the 5.0.13 release.

A severe regression (bug 35100) was introduced in ZCS 5.0.12 that allows a global or domain administrator, using the command line or administrative interfaces, to add an active account or distribution list as an alias for other accounts or distribution lists which results in the deletion of the active account or distribution list’s LDAP entry. The correct behavior is for the server to respond with an error that the name is already in use, and ZCS 5.0.13 is being released to correct this one issue.

New Features for 5.0.12

• Global administrators can create messages of the day (MOTD) that can be viewed when global and domain administrators log on to the administration console. A new global or domain multi-value attribute zimbraAdminConsoleLoginMessage can be used to create a MOTD that is viewed by administrators when they log into the administration console.

The message is created from the CLI zmprov. For example, to create a message type:

```
zmprov md domainexample.com zimbraAdminConsoleLoginMessage
"message to display"
```

Run the command again to create additional messages, but add a plus sign (+) before the attribute.

```
zmprov md domainexample.com +zimbraAdminConsoleLoginMessage
"second message to display"
```

The admin sees the message at the top left of the admin console. They can close the message view. The same message displays every time the admin logs in until the message is replaced or removed.

To remove a specific message, type the attribute, adding a minus sign (-) before the attribute and repeat the message exactly.

```
zmprov md domainexample.com -zimbraAdminConsoleLoginMessage
"message to display"
```

To remove all messages, type the attribute and add single quotes at the end.

```
zmprov md domainexample.com zimbraAdminConsoleLoginMessage ''
```

(Bug 33026)

• The ability to run a Postfix SMTP Access Policy Daemon. This Daemon is only useful for customers using alias domains in ZCS, see wiki article ManagingDomains. Customers will want to enable this functionality specifically for alias domains to reduce the risk of backscatter spam. To enable this functionality, after upgrading to ZCS 5.0.12, do the following:

  a. Set the LC key. Type

  ```
  zmlocalconfig -e postfix_enable_smtpd_policyd=yes
  ```

  b. Stop postfix. Type postfix stop
c. Type `zmprov mcf +zimbraMtaRestriction "check_policy_service unix:private/policy"`

d. **Restart postfix. Type `postfix start`**

The policy daemon runs after initially being spawned with the LC key `postfix_policy_time_limit`, which defaults to 3600 seconds (one hour). This default value should not be lower.

To disable this function, run

```
zmlocalconfig -e postfix_enable_smtpd_policyd=no
zmprov mcf -zimbraMtaRestriction "check_policy_service unix:private/policy"
```

After setting `zmlocalconfig` and `zmprov`, stop/start Postfix.

(Bug 33358)

- Zimbra server keeps a persistent cache of unread counts and quota. Infrequently, we run into a bug in the server that causes these values to be out of sync with the actual data in the mailbox.

The RecalculateMailboxCounts request/command can be used to repair a particular mailbox and reconcile the persisted values. To run, type `zmprov rmc <user@example.com>`.

**Note:** Recalculating is expensive and administrators should take care to schedule the reconciliation so it is done off peak hours and one mailbox at a time.

(Bug 29637)

- Admins can now customize theme colors from the administration console by entering either the six-digit hexadecimal color code or selecting from the color picker. (Bug 33929)

- There is a new global/domain attribute, `zimbraAdminConsoleLDAPAuthEnabled` that when set to TRUE, exposes external auth configuration options for the domain administrator. The default is FALSE. When this is set to TRUE, the following attributes can be changed for the domain in the domain administration app.

  - zimbraAuthMech
  - zimbraAuthLdapURL
  - zimbraAuthLdapBindDn
  - zimbraAuthLdapSearchBase
  - zimbraAuthLdapSearchFilter
  - zimbraAuthLdapSearchBindDn
  - zimbraAuthLdapSearchBindPassword

(Bug 31363)
• Added an optional domain attribute, \texttt{zimbraDomainAliasTargetId} that is used to point back to the local domain from an alias domain. This attribute is set on the alias domain. It should be set to the zimbrald of the local (non-alias) domain. For example, if localdomain.com has zimbrald of 3e521554-13c5-4319-a883-ba69f77e17af, and aliasdomain.com is an alias of localdomain.com,

\begin{verbatim}
zmprov md aliasdomain.com zimbraDomainAliasTargetId 3e521554-13c5-4319-a883-ba69f77e17af
\end{verbatim}

With this attribute users will be able to authenticate using their alias domain ID. (Bug 33720)

• A new login page has been developed that allows for branded login on a per-domain basis on a generic (non-virtual-host) URL. The intent of this is to allow branding and secure login without requiring a SSL certificate to be present. The new login page resides at /zimbra/public/brandedlogin.jsp. It takes on the query parameter, customerDomain, that is the ZCS-provisioned domain that should be used to present branding per the "chameleon" attributes such as zimbraSkinLogoURL.

As an example procedure consider the following scenario:

• mail.customer.com is a virtual hosted domain

• customer.com is the ZCS provisioned domain

• mail.serviceprovider.com is the real address of your server that has a matching SSL certificate.

On the customer.com domain:

• For log in, set \texttt{zimbraWebClientLoginURL} to

\begin{verbatim}
\end{verbatim}

• For log out, set \texttt{zimbraWebClientLogoutURL} to

\begin{verbatim}
\end{verbatim}

When users go to http://mail.customer.com with no auth token, they are redirected to the zimbraWebClientLoginURL and presented with a login page that matches the branding configured for their domain. After successfully authenticating they are redirected back to http://mail.customer.com with an auth token.

(Bug 32515)

• An alternate location for password changes can be configured that allows users to change their passwords outside of the ZCS change password page. In order to configure this, set \texttt{zimbraChangePasswordUrl} on each domain. This variable should be set to a URL that provides the password changing function for the users of that domain. For example, if you have a page https://portal.example.org/changePassword that handles password changes for your organization, you would set

\begin{verbatim}
zmprov md example.org zimbraChangePasswordUrl https://
\end{verbatim}
portal.example.org/changePassword

(Bug 33916 and 34027)

• **StartTLS** can now be enabled from the administration console when configuring External LDAP authentication for a domain. On the administration console go to **Domain>Configure Authentication>External LDAP**. (Bug 31361)

• ZWC Preferences includes a new tab, **Import/Export**. The **Calendar** and the **Contacts** import/export feature has been moved to this tab and a new feature, **Account** import/export has been introduced.

Account import/export lets you export all or specific items of your mailbox data. You can export and save the data to your computer or other location. The mailbox data is saved as a tar-gzipped (tgz) file and can be easily imported to restore your account. When the this data is exported, the data are not removed from your account.

### New Features for 5.0.11

• Bulk Provisioning. Global administrators can provision multiple accounts at once from the administration console using the Bulk Provisioning wizard. A .csv file with account information is uploaded, and the Bulk Provisioning wizard is used to create the accounts. Each row in the .csv file is an account entry that consists of the user account name@email address, the display name, and a password (optional). If the .csv file does not include a password, a random password is generated for the account. When users log in the first time, they are prompted to change the password. (Bug 31430)

• Mail moved to the Junk folder or from the Junk folder from an IMAP/Outlook user’s folder now is used to train the anti-spam filter. (Bug 9532)

• A script to watch for auth failures on a per IP basis is now created. It will send email to the global administrator if either of these two conditions occurs:
  • 10 failures from a given IP in one minute
  • 20 failures from the sum of all IP’s in one minute

(Bug 32586)

• The CLI **zmcaHck** can be configured to send notification email when an appointment is out of sync. Email can be sent to the organizer, attendee and users depending upon the specified parameters. It can also be configured to not send an email. (Bug 31697)

### New Features for 5.0.10

• DNS MX validation check is now available from the administration console. This check compares domain MX setting against the **zimbraInboundSmtpHostname** setting, if set. If this attribute is not set, the
domain MX setting is checked against zimbraSmtpHostname. Marks the records valid if found, otherwise links to a wiki document for information about how to set up DNS MX. (Bug 31157)

- When the zimbraSmtpSendAddAuthenticatedUser globalconfig attribute is set to TRUE, ZCS now adds an X-Authenticated_user header to outgoing messages. The globalconfig attribute default is FALSE. (Bug 30833)

- When a user connects to the admin console using an unsupported browser, such as Safari and Chrome, an error dialog displays. (Bug 31328)

- When an account is created from the administration console, now the global admin or the domain admin can set the time zone for the user. The domain admin sets this in the General information section. (Bug 31020)

- In the standard Zimbra Web Client, Preferences>General now includes the time zone setting. Users can set their preferred timezone to format and display date/timestamps for email. (Bug 30744)

- When Zimbra Proxy is configured, you can now configure to display the ZCS version in the banner greeting for POP and IMAP. Default is not to show the version. (Bug 30555)

- Yahoo! Translator is now available as a Zimlet used for translating text. (Bug 24976)

- You can configure a direct link from the domain admin's ZWC account to the administration console. The link, called Domain Admin, displays in the top right corner next to Help. From the CLI zmprov either global or domain, set attribute zimbraWebClientAdminReference with the administration console URL. (Bug 30098)

- A new command, zmcalchk as been added to ZCS. This command checks the consistency of appointments on the Zimbra calendar. For example, it checks if all attendees and organizers of an event on the calendar agree on start/stop times and occurrences of a meeting. (Bug 30614)

- Ubuntu 8.04 LTS x86 and x86_64 is GA for the Network Edition.

**New Features for 5.0.9**

- Ubuntu 8.04 GA for Open Source and Beta for Network Edition (Bug 23154)

- New global and server settings can be set so that when a mailbox quota is reached, messages received to that mailbox are bounced instead of deferred. The attribute is zimbraLmtp PermanentFailureWhenOverQuota. The default is FALSE, messages are deferred. (Bug 27838)

- Address Book contacts list now displays an email address for contacts that do not have a name set up on the contact form. (Bug 12088)
• Right-clicking on the **From** field of a message listed in the Content pane now includes the selection **Edit as New**. This opens the message so that it can be sent as a new message rather than having to forward the message. (Bug 28717)

• You can set the option to not redirect users who use a screen with resolution of 800 x 600 to the standard ZWC by COS or by account. The default is set to TRUE, the standard ZWC is opened when this screen resolution is detected. (Bug 28471)

• Sharing and REST URL generation now works correctly when http proxy is enabled. New attributes can be set globally or by domain:
  - **zimbraPublicServiceHostname**
  - **zimbraPublicServiceProtocol**
  - **zimbraPublicServicePort**

  When generating REST URL’s:
  - If domain.zimbraPublicServiceHostname is set, use
    zimbraPublicServiceProtocol + zimbraPublicServiceHostname + zimbraPublicServicePort
  - Otherwise it falls back to the server (account's home server) attributes:
    - protocol is computed from server.zimbraMailMode
    - hostname is server.zimbraServiceHostname
    - port is computed from the protocol.

  (Bug 29458)

• Added an admin logout URL. The attribute domain/globalconfig domain Info attribute **zimbraAdminConsoleLogoutURL**. Logging out of the admin console sends the user to this URL. (Bug 28583)

• The attribute **zimbraAdminConsoleLoginURL** is used to redirect user to the login page when the user is not authenticated or authentication has expired. (Bug 29973)

• The ZCS version can be displayed on the initial banners for POP and IMAP. The default is FALSE, the version number is not displayed. To display the version number in the banner, change server/global config boolean attributes **zimbraLmtpExposeVersionOnBanner**, **zimbraPop3ExposeVersionOnBanner**, **zimbraImapExposeVersionOnBanner** to TRUE (Bug 29401)

### New Features for 5.0.8

No new features were introduced in the 5.0.8 release.

### New Features for 5.0.7

The follow are a list of enhancements to the Zimbra Web Client
• Users can now set up alerts to be notified when new email messages arrive in their Inbox, when an appointment reminder pops up, and when an IM message is received. The alerts can be a sound notification or a visual notification. These notifications can be enabled in the appropriate ZWC Preferences tabs. (Bug 7482, 6625)

• A new role has been added to the sharing feature. The new role is Admin and gives the grantee the additional sharing privileges to re-share the folder with another grantee. (Bug 26363)

• Calendar includes the following recent enhancements:
  • Users can now select which calendar to save an appointment to when they accept the invite. After the invite is displayed in the Calendar, they can move it to another calendar. (Bug 6737)
  • A Calendar zimlet was developed to make it easier to view free time to make schedule meetings easier. The Zimlet is named com_zimbra_calscheduler. When this Zimlet is deployed the free/busy status of attendees displays when you click on a time slot on the Calendar Schedule page. This Zimlet can be used to look up availability and suggest possible appointment times. (Bug 7173 and 19298)
  • Zimbra Web Client users can now specify which users can see their Free/Busy information and who can invite them to meetings. The default is to allow all users to see the free/busy information and to allow all users to send an invite to the user. Users can change these defaults in the Preferences>Calendar tab to allow only specified addresses. (Bug 22913)
  • Users can share their calendars and specify if they want the grantee to be able to create, edit or delete private appointments. When they set up share properties, if they check Allow user(s) to see my private appointments, the grantee has the privileges set in the Role to view or manage private meetings. If this is not checked, private appointments are not viewed or managed. (Bug 27722)
  • When an invitation to a meeting is received, users can ignore reminder set by the organizer and use the one set in their preferences. (Bug 28663 28728)
  • Users can email a copy of the free/busy view of their calendars. In Calendar, they right-click on the Calendar title in the Navigation pane and select Mail Free & Busy link. An compose email message window opens with the link displayed in the text field. Email recipients can click the link to see the meetings times that are schedule. They do not see information about the meetings. (Bug 24955)
  • The ZWC online Help is presented in the same language as the Zimbra Web Client language setting selected in the Preferences>General tab. (Bug 27635)
Other enhancements

- When POP3 users who have “keep messages on server” enabled are migrated from an existing mail system to ZCS, the Zimbra server assigns new UIDLs to messages that are different from the UIDLs these messages had in the old mail system. This will cause users’ POP3 clients to redownload all the old mail from the new Zimbra server because the UIDLs appear different. In order to help avoid this badness during migration, a new attribute, `zimbraPrefPop3DownloadSince`, has been created. Administrators can set this preference on the Zimbra accounts at the time of the migration so the Zimbra POP3 server will only let users download new messages delivered since the migration. An example of the CLI to use is as follows: `zmprov -l ma user@server.example.com zimbraPrefPop3DownloadSince 20080501000000Z`. In this example, only email messages after 1 May 2008 will be downloaded. (Bug 27293)

- If `zimbraPrefPop3DownloadSince` attribute has been set on an account for migration purposes (see Bug 27293), and at a later date, if users need to redownload all their POP3 mail (for example, when they have a new computer or reinstall their POP3 client), than they can change this download date preference in the user preferences tab in the Zimbra Web Client. After which they will be able to download all their mail going back to the earliest message in the mailbox these settings are configured in Preferences>Mail>Access from Other Mail Clients. (Bug 27912)

- ZCS implemented IMAP4 ACL extensions that allows shared folders via IMAP client. (Bug 6937)

- ZCS Documentation major updates for 5.0.7
  - The ZCS Administration Guide now includes description of the Zimlets that are available (Zimlets chapter); Zimbra Proxy chapter that describes Zimbra Proxy and how to configure HTTP Proxy, if not configured during install, and Managing Other ZCS Features chapter that describes legal intercept for law enforcement and creating mailbox snapshots for legal discovery.

New Features for 5.0.6

- Users now set their preferences to view their messages by conversation or by messages and whether to show the Reading Pane from the View link on the ZWC toolbar. They are no longer set from the Preferences tab (Bug 7781)

- LDAP logging has been increased to help debug sync problems. When you upgrade to 5.0.6, the LDAP default setting will be changed to reflect the increased value. (Bug 27699)

If you want to preserve the previous default value, set the LDAP log level back to 32768. Type the following command:
zmlocalconfig -e ldap_log_level=32768.
ldap stop
ldap start

• When composing an email in the HTML compose mode in ZWC, users can insert hyper links. Users can create the text and the link target. The text displays in colored, underlined in body of the email. (Bug 5419)

• ZWC now supports nesting calendars within different ZCS folders, such as Calendar, Contact and Mail folders. Users cannot create the nested grouping. The ZCS administrator creates a nested list of calendars from the CLI or a nested Calendar grouping is imported with a migration. (Bug 6410)

  The CLI command defines the grouping. The command is written as
  zmmailbox -z -m user1 -V appointment /Calendar/CalCall

  This would create a calendar called CalCall nested under Calendar.

• Flexible alarm schedule in Calendar has been implemented. When users create an appointment or a meeting in Calendar, they can set a reminder notification time for each appointment or meeting they create. Invites will be reminded of the meeting at the time set for the notification. This reminder can be set up to 18 hours before the meeting. (Bug 8854)

• Users can now set their preference for how messages are marked as read. The preference, “When I read a message in the reading pane” is set from the Preferences Mail tab. The “mark read” preference only applies to messages that are displayed in the reading pane. If users double-click on a message which displays in the message view, or displays the message in a separate window, such as when using the detach button, the message is marked as read immediately. (Bug 16337)

• Mac OS X Leopard (10.5) is release as GA for Open Source ZCS. It is Beta for Network Edition ZCS.

• Ubuntu 64 bit is now GA, beginning with 5.0.6

**New Features for 5.0.5**

• X-Mailer is now added to Zimbra emails by default and can be disabled by setting `zimbraSmtpSendAddMailer` to FALSE in global config. (Bug 6237)

• HTTP proxy is supported (Beta). This includes REST sharing, Caldav, and Zimbra mobile. For Zimbra Mobile, ZCS redirect/forwards to the correct host. (Bug 9469)

• For new installations, an additional Common Menu item has been added. **Require secure interprocess communications.** By default this is set to **Yes**. This means that ZCS will use startTLS with the LDAP server with Amavis and Postfix. If this is set to No, ZCS disables the use of startTLS with the LDAP server.

  ZCS install checks to see if startTLS works with the LDAP server. If it does not, a warning is logged to the setup log file and this setting is set to No.
If you want to manually disable the use of startTLS for Postfix and Amavis when talking to the LDAP server, set the ldap_starttls_supported localconfig value to 0. Then run zmmtainit to update the postfix configuration files, and zmmtaconfig amavis to update the amavis config files. Then restart the system. (Bug 24762)

New Features for 5.0.3

• Set the purge run schedule from the administration console. You can set the duration of time that the server should "rest" between purging mailboxes from the administration console, Global settings or Server settings, General tabs. (Bug 24823)

• Viewing the Free/Busy Schedule of users that are across a mix of ZCS servers and third party email servers can be configured. (Beta) See the Help topic Making Free/Busy Schedule View Available, in the administration console for details. (beta) (Bugs 25615, 25857)

• When an auto-reply message is enabled for an account in the ZWC, the start and stop dates to use the message can be set. (Bug 10071)

• Law Enforcement (aka lawful/legal intercept) can be configured. User messages can be intercepted and sent to another mailbox. Once intercept is turned on, any time that the user sends a message, receives a message, or saves a draft, an intercept message is sent to the specified mailbox with the original message attached. (Bug 17539)

• ClamAV™ upgraded to 0.92.1.

New Features for 5.0.2

• Spell check is now available in the standard Zimbra Web Client. (Bug 16819). To use spell check in the standard ZWC, HTML Compose must be checked in the account Preferences tab.

• LDAP configuration can now be enabled separately for GAL search and for GAL Sync. When ZCS is installed, the default is GAL search and GAL Sync have the same configuration. You can change this from the administration console in the GAL configuration wizard and new domain wizard. (Bug 21247)

• Change to spam filtering. In ZCS 5.0.1 and earlier, user filters were run before the spam filter check was run. This meant that if the user filtered mail into a folder, spam would not be identified and sent to the Junk folder. Beginning with 5.0.2, spam check is completed first and messages identified as spam are moved to the Junk folder. With this change, users cannot write a filter to move false positive spam out of the Junk folder. You can create a spam white list for individual accounts that allows an account to identify email addresses that should not be marked as spam. To do this, type zmprov ma <account@example.com> +amavisWhiteListSender <name@example.com> +amavisWhiteListSender <name2@example2.com>
Note: If you prefer ZCS 5.0.2 or later to use the spam filter function as it works for 5.0.1 and earlier, you can set the zimbraSpamApplyUserFilters option to True. This can be done by COS or for individual accounts. (Bug 23886)

Miscellaneous Important Notices

• With 5.0.18, ZCS was updated to ClamAV to 0.95.1. ClamAV announced end of life for ClamAV 0.94.x. If you are running 5.0.17 or earlier must upgrade to 5.0.18 or later for Clam AV to continue to work.

• 5.0.7 - Adding appointment reminders capability to user accounts. Beginning with ZCS 5.0.5, Calendar appointment reminder notification on the Zimbra Web Client is sync’d from the Zimbra server. For appointments, especially recurring appointments that were created before 5.0.5, reminder notification will not work. In 5.0.7, administrators can use a tool to apply default reminders to existing appointments that do not have reminders. This can be run for one account or for all accounts on a server. For each appointment in the future that does not have a reminder set, a reminder is added. The reminder notice time is determined by the value set in the user’s Preferences >Calendar, Show reminders field.

The tool is run from the CLI as follows:

/opt/zimbra/libexec/zmfixreminder <options>

Usage options

- a <email> - to fix the named account
- a all - to fix all accounts on this server
- o <output directory> - This is where temp files are created. The default is to use the current working directory.

• 5.0.7 Instant Messaging zimbraXMPPEnabled controls the Zimbra IM component. If TRUE, then IM is enabled, if FALSE, then IM is disabled. When upgrading, the upgrade process does not change the value of zimbraXMPPEnabled. That means that if XMPP was enabled before the upgrade it will stay enabled. Beginning with 5.0.7, IM is not automatically enabled when ZCS is upgraded. (Bug 28280)

• 5.0.6 When users log into ZWC and Zimbra Web Client detects a screen resolution of 800x600, the user is automatically redirected to the Standard Zimbra Web Client.

• 5.0.6 ZCS has downgraded to JDK 1.5.0_15 (Bug 27890)

• 5.0.6 Two different settings are configured to set the maximum size for messages with attachments that be sent and to set the maximum size for files that can be uploaded to Documents or Briefcase.
• The maximum message size, including attachments that can be sent is configured in the Global Settings MTA tab, **Maximum message size** field.

• The maximum size of an uploaded file for Documents or Briefcase is set in the Global Settings General tab, **Maximum size of an uploaded file for Documents or Briefcase (kb)** field.

• **5.0.6** The default values for Postfix queues have been adjusted and they are now configured from `zmlocalconfig`. (Bug 25546) The new localconfig attributes with default values are:
  
  • `lmtp_connection_cache_destination=“”`
  • `lmtp_connection_cache_time_limit=4s`
  • `queue_run_delay=300s`
  • `minimal_backoff_time=300s`
  • `maximal_backoff_time=4000s`

  **Note:** These attributes and the default values will be enforced when you upgrade.

• **5.0.6** The Web proxy always redirect https initial login to http. (Bug 28169) See Known Issues for the workaround.

• In the event that your upgrade to 5.0.3 failed, use the forums for information about how fix your upgrade.

• An iCal calendar URL that includes spaces does not work in ZWC. Users need to replace spaces in the URL with underscores when they create an iCal calendar. (Bug 23614)

• Identifying a corrupted Index. Previous to 5.0.3, all messages were indexed before they are delivered. Beginning with 5.0.3, the server does not block delivery if the index is corrupt. If the server detects a corrupt index, it will log a message to the zimbra.index.logger that starts with “Possibly corrupt index” at the WARN level. The administrator is responsible for monitoring the zimbra.index log at the WARN level for messages about corrupt indexes. When this message is displayed, the administrator will need to correct the problem. Correcting the problem may mean reindexing the mailbox, fixing disk space issues on the index volume, etc. **Note:** Text searches on the account might or might not fail with errors when the index is corrupt. The administrator cannot count on the user reporting a failed text search to identify that the index is corrupt. (Bug 21244)

• Yahoo Search is now included in the ZWC UI. Yahoo search lets users access the Web from within ZWC. It displays in the ZWC search area. If you do not want users to search the Web from ZWC, you can disable this feature from the CLI. Type: `zmprov mc <cos> zimbraFeatureWebSearchEnabled FALSE` (Bug 23275)
• With the introduction of Nginx for proxy, memcached is shipped as the caching layer to cache LDAP lookups. Memcache does not have authentication and security features so the servers should have a firewall set up appropriately. The default port is 11211 and is controlled by zimbraMemcacheBindPort conf setting in zimbraserver. (Bug 22869)

• For SMTP auth to work in round-robin fashion for authentication, the administration port 7071 must be visible from each MTA servers. (Bug 6218)

• The email retention policy for email, trashed and spam messages is set by COS. When the message purge function runs is set by the message purge command. Message purge is no longer scheduled through the crontab.

Now, the server manages the message purge schedule. You can set the duration of time that the server should “rest” between purging mailboxes from the administration console, Global settings or Server settings, General tabs. By default, message purge is scheduled to run every 1 minute. If the message purge schedule is set to 0, messages are not purged.

• First time installations of 5.0.9 or later on OSX 10.4 or OSX 10.5 require a reboot of their Macintosh after installation. (Bug 30609)

**Beta-quality features included with ZCS 5.0.**

These features included with ZCS 5.0.x are considered beta quality and have known issues.

• Beginning with 5.0.16, a new migration tool, zmztozmig, has been developed to migrate accounts from one ZCS server to another ZCS server when moving accounts between two separate ZCS installs.

  *Note: This is not the same as zmmailboxmove, where an account is moving between two mailbox server that are part of the same install and have the same LDAP master.*

Account data, including email messages, attachments, contacts, calendar, tasks and Briefcase folders for individual accounts are migrated as tar files. (Bug 30163)

Before you migrate ZCS users to the other server, their accounts must be provisioned on the new server.

The zmztozmig.conf file, in /opt/zimbra/conf, is the input file and is modified to include the following migration details. When the migration details have been added to zmztozmig.conf, run zmztozmig to migrate the files. A common log file, ztozlog*.log, is created for the complete process and separate log files are created for each account migration as well.

<table>
<thead>
<tr>
<th>SourceZCSServer</th>
<th>Source server IP or name</th>
</tr>
</thead>
</table>

December 2010
**SourceAdminUser** | Source server admin user name  
**SourceAdminPwd** | Source server admin password  
**SourceAdminPort** | Source ZCS server admin port - 7071  
**TargetZCSServer** | Destination server IP or name  
**TargetAdminUser** | Destination server admin user name  
**TargetAdminPwd** | Destination server admin password  
**TargetAdminPort** | Destination ZCS server admin port-7071  
**Threads** | Number of accounts to be migrated simultaneously. It is recommended that you set this at a low number of threads, such as 4 and then review the source/destination ZCS server CPU usage I/O rate and writes to disk per second. If the server has power to run more threads, you can increase the threads one at a time.  
**WorkingDirectory=/opt/zimbra/data/zmztozmig/work** | The directory path where the tar’d account is downloaded.  
**FailedDirectory=/opt/zimbra/data/zmztozmig/failed** | The directory path where tar’d account files are moved, if the account migration fails for any reason.  
**SuccessDirectory=/opt/zimbra/data/zmztozmig/successes** | The directory where tar’d account files are moved after successful migration, if the KeepSuccessFiles parameter is set to TRUE.  
**LogDirectory=/opt/zimbra/data/zmztozmig/logs** | The directory where log files are saved.  
**KeepSuccessFiles=FALSE** | If you want to keep the downloaded tar account files after the migration, set this to TRUE. Set this to FALSE to delete the files.  
**DomainMap=example.com domain.tld** | If accounts are migrated from one domain to another domain, specify the source domain and destination domain. For example, mysourcedomain.com mydestinationdomain.com. You can create multiple DomainMap entries if the Accounts list contains accounts from different domains.
Accounts=test@example.com,test2@example.com

ZimbraMailTransport

<table>
<thead>
<tr>
<th>Accounts</th>
<th>Comma separated list of accounts to be migrated.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZimbraMailTransport</td>
<td>This is optional. Include this entry if you want to change the ZimbraMailTransport to some other MTA.</td>
</tr>
</tbody>
</table>

**usage:** zmztozmig - [options]

--version -v Prints the version
--help -h Displays usage options for this command
--ConfigFile -f Config file path. The default file is /opt/zimbra/conf/zmztozmig.conf
--debug -d Prints verbose debug messages

- Beginning with 5.0.5, HTTP proxy is in Beta. This includes REST sharing, Caldav, and Zimbra mobile. For Zimbra Mobile, ZCS redirect/forwards to the correct host. (Bug 9469)

This has been documented in the administrator’s guide and the multi-server installation guide. Please note this correction to the documentation:

From the Note: ZimbraMailReferMode is a server/global config, not a local config.

Also, note that the `zimbra_auth_always_send_refer` value is migrated to ZimbraMailReferMode when you upgrade. Note that in the upgrade, existing users who rely on this value keep their existing behavior.

- Beginning with 5.0.5, Mac OS X V10.5 (Leopard) support is introduced for Open Source ZCS and Beta for Network Edition ZCS. (Bug 21441)

- **Instant Messaging** - IM lets users exchange messages in real time with other users in ZCS. Users can create buddy lists. IM interactions are saved to the Chat folder. The IM feature is disabled for upgrades and new installations.

**Note:** Update about Instant Messaging feature - In order to ensure the scalability of our server software and provide a quality experience to our customers, we have removed IM interoperability with AOL and MSN that was present in previous 5.0.0 beta releases. This functionality may be restored in a future release.

- **Zimbra Toaster** is a stand-alone application that notifies users when new email is delivered to their ZCS mailbox. The install format is an .msi file.
## Major Fixes in 5.0 Releases

### Major Issues Fixed for 5.0.26

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>53181</td>
<td>Upgraded to clamav 0.96.5</td>
</tr>
<tr>
<td>54125</td>
<td>5.0.26 includes a patched version of OpenSSL to address security issue identified in CVE-2010-4180. <strong>Note:</strong> This is a patched version of OpenSSL, not a new version. (It uses the same version numbering as the previous release.)</td>
</tr>
<tr>
<td>54338</td>
<td>Upgraded to Apache 2.2.17 for multiple bug and security fixes.</td>
</tr>
</tbody>
</table>

### Major Issues Fixed for 5.0.25

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>53002</td>
<td>5.0.25 includes a patched version of OpenSSL to address security issue identified in CVE-2010-3864. <strong>Note:</strong> This is a patched version of OpenSSL, not a new version. (It uses the same version numbering as the previous release.)</td>
</tr>
</tbody>
</table>
Major Issues Fixed for 5.0.24

To see a list of all the changes for this release, see the Zimbra Product Portal, (http://pm.zimbra.com/pm_patch.php?patch=5_0_24&status=Future&rel=5.0&relName=Franklin)

<table>
<thead>
<tr>
<th>37596</th>
<th>Fixed bug that prevented some Safari users from being able to reply to or forward HTML messages.</th>
</tr>
</thead>
<tbody>
<tr>
<td>41884</td>
<td>When a renameAccount involves a domain change ({old-localpart}@{old-domain} -&gt; {new-localpart}@{new-domain}), all aliases of the account in the same old domain are also renamed to the new domain. If any of such aliases has the same local part as the account's new local part, there will be a name clash between the two email addresses after the rename. We now correctly detect the situation and throw ACCOUNT_EXISTS. Before the fix, it used to proceed with the primary rename, set zimbraMailAlias of the account to the same as the account's new primary address, but can't create the alias entry, because the email address has been taken.</td>
</tr>
<tr>
<td>42010</td>
<td>Fixed shortcut keys for copying and pasting text in IE.</td>
</tr>
<tr>
<td>43387</td>
<td>Fixed bug that prevented some Safari users from logging in to the advanced client.</td>
</tr>
<tr>
<td>47586</td>
<td>ZCS backup zip code supports Zip64 format.</td>
</tr>
</tbody>
</table>

Major Issues Fixed for 5.0.23

To see a list of all the changes for this release, see the Zimbra Product Portal, (http://pm.zimbra.com/pm_patch.php?patch=5_0_23&status=Future&rel=5.0&relName=Franklin)
<table>
<thead>
<tr>
<th>Issue Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>42143 (also 42774)</td>
<td>Feature added to Migration tools to support migration using XML configuration.</td>
</tr>
<tr>
<td>44243</td>
<td>Scrolling while using the Firefox 3.6 browser now works.</td>
</tr>
</tbody>
</table>
| 44528         | Updated ZCS with the latest OpenLDAP to fix issues with replicas failing to sync with the master LDAP after an upgrade. IMPORTANT: After upgrading the LDAP servers, on the replicas you must do the following: 1. Run `zmprov -l mcf`  
  `zimbraMailUseDirectBuffers TRUE`  
  2. Restart zimbra.  
  • `zmcontrol stop`  
  • `zmcontrol start` |
| 28846         | Fixed issues with calendar that broke IE page rendering on initial load |
| 39706         | Calendar repeat events now match between ZWC and iCal calendars. |
| 43766         | The issue causing SpamAssassin to incorrectly tag some email generated in 2010 as spam has been fixed. |
| 28654         | ZCS has been officially tested against SLES 10 SP3 |
| 42758         | The user mapping feature was added to the migration tool for GroupWise. |
| 42721         | Added paging for contact and resource search results. A page has 100 results. |
| 43895         | Mail filters cannot be saved if the value in the selected condition is blank (null). |

**Major Issues Fixed for 5.0.22**

To see a list of all the changes for this release, see the Zimbra Product Portal, (http://pm.zimbra.com/pm_patch.php?patch=5_0_22&status=Future&rel=5.0&relName=Franklin)
### Major Issues Fixed for 5.0.21

To see a list of all the changes for this release, see the Zimbra Product Portal, (http://pm.zimbra.com/pm_patch.php?patch=5_0_21&status=Future&rel=5.0&relName=Franklin)

<table>
<thead>
<tr>
<th>Issue Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>42148</td>
<td>Now when you share an account with a user that uses another language, the user can read email messages in the shared account.</td>
</tr>
<tr>
<td>43518</td>
<td>In the Standard ZWC, the session time-out issues have been fixed and users are no longer redirected to the log in page.</td>
</tr>
</tbody>
</table>

### Major Issues Fixed for 5.0.20

To see a list of all the changes for this release, see the Zimbra Product Portal, (http://pm.zimbra.com/pm_patch.php?patch=5_0_20&status=Future&rel=5.0&relName=Franklin)

<table>
<thead>
<tr>
<th>Issue Numbers</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>42242, 42508, 42509</td>
<td>Several security vulnerabilities were addressed.</td>
</tr>
<tr>
<td>42748</td>
<td>Fixed errors that made IMAP searches fail if ID is enclosed in &lt;&gt;.</td>
</tr>
<tr>
<td>42482</td>
<td>When viewing messages on the Android mobile device, messages are no longer truncated.</td>
</tr>
<tr>
<td>28654</td>
<td>The SUSE OS is now SUSE Linux Enterprise Server 10 (32 and 64 bit), SP3</td>
</tr>
<tr>
<td>37018</td>
<td>Fixed a bug where a filter that referenced Contact data could prevent delivery of the message.</td>
</tr>
<tr>
<td>37259</td>
<td>When upgrading to 5.0.20, Batched Indexing is enabled by default. For upgrades, <code>zimbraBatchedIndexingSize</code> is set to 20 if the value is 0.</td>
</tr>
<tr>
<td>40450</td>
<td>Calendar appointment notes now display in Public shared calendars.</td>
</tr>
<tr>
<td>40793 and 40862</td>
<td>Issues that caused the Change Password feature to not work have been fixed.</td>
</tr>
</tbody>
</table>
### Major Issues Fixed for 5.0.19

To see a list of all the changes for this release, see the Zimbra Product Portal, [http://pm.zimbra.com/pm_patch.php?patch=5_0_19&status=Future&rel=5.0&relName=Franklin](http://pm.zimbra.com/pm_patch.php?patch=5_0_19&status=Future&rel=5.0&relName=Franklin)

<table>
<thead>
<tr>
<th>27407</th>
<th>qshape is fixed</th>
</tr>
</thead>
<tbody>
<tr>
<td>29483</td>
<td>ZCS now flushes idle IndexWriters in a multi threaded way to improve throughput of index flushing under load. Also fixed bug where in some cases, we could ‘leak’ LRU entries causing the system’s IndexWriterCache to stop functioning and requiring a server restart.</td>
</tr>
<tr>
<td>32536</td>
<td>Fixed caldav 400 bad request issue where text/xml was being converted to application/xml. Also, we now use the browser-specified content type when the server is unable to detect it.</td>
</tr>
<tr>
<td>34227</td>
<td>zmfixperms now uses a fixed list of directories to change ownership and permissions. This avoids problems with secondary store and HSM volumes created after the initial installation, being recursively traversed with chown/chmod.</td>
</tr>
<tr>
<td>36042</td>
<td>Fixed issues with log rotation that caused cluster to failover</td>
</tr>
<tr>
<td>36665</td>
<td>Admin console now passes correct COS ID for zimbraDomainDefaultCOSId; also, validation is added in server to ensure that zimbraDomainDefaultCOSId is set to a valid COS ID.</td>
</tr>
<tr>
<td>38104</td>
<td>The correct Free/Busy information is displayed when a grantee makes a new meeting request for the grantor</td>
</tr>
<tr>
<td>39793</td>
<td>A cross-site scripting (XSS) vulnerability was fixed in Documents.</td>
</tr>
<tr>
<td>39804</td>
<td>Fixed issue that caused a log in failure in a shared accounts when one of the shared accounts was deleted</td>
</tr>
</tbody>
</table>
Major Issues Fixed for 5.0.18

To see a list of all the changes for this release, see the Zimbra Product Portal, (http://pm.zimbra.com/pm_patch.php?patch=5_0_18&status=Future&rel=5.0&relName=Franklin)

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>19702</td>
<td>Trash/junk lifetime is now based on the time a message is moved to Trash or Junk folder.</td>
</tr>
<tr>
<td>21750</td>
<td>Resources can be searched for across domains.</td>
</tr>
<tr>
<td>32162</td>
<td>Appointment reminder pop-ups work as expected.</td>
</tr>
<tr>
<td>38112</td>
<td>Recipients receive notice of meeting invitations that are sent out from iCal.</td>
</tr>
<tr>
<td>38470</td>
<td>PATH was added to the env_keep section of /etc/sudoers</td>
</tr>
<tr>
<td>39002</td>
<td>The security issue addressed in the ZCS emergency patch release was fixed in this release as well. This security issue allowed remote, unauthorized access to files readable by the zimbra user on the MBS. Users of 5.0.18 do not need to install the emergency patch.</td>
</tr>
<tr>
<td>39003</td>
<td>A smaller security hole was fixed. This hole was exploitable generally only by attackers that were familiar with bug 39002.</td>
</tr>
</tbody>
</table>

Major Issues Fixed for 5.0.16

To see a list of all the changes for this release, see the Zimbra Product Portal, (http://pm.zimbra.com/pm_patch.php?patch=5_0_16&status=Future&rel=5.0&relName=Franklin)

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>23215</td>
<td>Now appointments are saved without creating a blob file.</td>
</tr>
<tr>
<td>31489</td>
<td>CalDAV. Can now send an invitation with iCal when the account is setup using an alias</td>
</tr>
<tr>
<td>Issue Number</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------</td>
</tr>
<tr>
<td>33274</td>
<td>Redo logs are deleted if they were successfully copied to the backup destination.</td>
</tr>
<tr>
<td>35297</td>
<td>The Week view in Calendar should no longer go blank.</td>
</tr>
<tr>
<td>35459</td>
<td>Sharing of publicly shared folders can now be revoked from the ZWC.</td>
</tr>
<tr>
<td>35523</td>
<td>The issues that caused time in appointment details to be inconsistent with DST time is summary views has been fixed.</td>
</tr>
<tr>
<td>36545</td>
<td>Logswatch not running after nightly log rotation has been fixed.</td>
</tr>
<tr>
<td>37259</td>
<td>Batched Indexing is enabled by default. For upgrades, zimbraBatchedIndexingSize is set to 20 if the value is 0.</td>
</tr>
</tbody>
</table>

**Major Issues Fixed for 5.0.14**

To see a list of all the changes for this release, see the Zimbra Product Portal, [http://pm.zimbra.com/pm_patch.php?patch=5_0_14&status=Future&rel=5.0&relName=Franklin](http://pm.zimbra.com/pm_patch.php?patch=5_0_14&status=Future&rel=5.0&relName=Franklin)

<table>
<thead>
<tr>
<th>Issue Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>35761</td>
<td>The security risk that was found in the Instant Messaging (IM) application has been fixed.</td>
</tr>
<tr>
<td>34537</td>
<td>The \texttt{zmdbintegrityreport} is run on a weekly basis from cron on all zimbra-store nodes. Large sites can opt to disable this by setting \texttt{zmlocalconfig -e zmdbintegrityreport_disabled=TRUE}. If customers choose to disable this, it is recommended that the integrity reports be run by hand during the customer’s normal maintenance windows and prior to running any ZCS upgrades.</td>
</tr>
</tbody>
</table>

**Major Issues Fixed for 5.0.12**

To see a list of all the changes for this release, see the Zimbra Product Portal, [http://pm.zimbra.com/pm_patch.php?patch=5_0_12&status=Future&rel=5.0&relName=Franklin](http://pm.zimbra.com/pm_patch.php?patch=5_0_12&status=Future&rel=5.0&relName=Franklin)
<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6082</td>
<td>Calendar. When there are meeting changes to a shared calendar, the calendar is refreshed automatically to show the changes. Now admins who manage many calendars will automatically get updates as they make changes and will not need to hit refresh to update the calendars.</td>
</tr>
<tr>
<td>14725</td>
<td>On UBUNTU/DEBIAN if /opt or /opt/zimbra are symlinks, the upgrade stops after printing the following error message: <strong>Installation cannot continue if either /opt or /opt/zimbra are symbolic links</strong>. There is a workaround (using bind mounts) briefly described in the bug that can be used if customers want to continue beyond this point. For all other OSes the symlink is preserved.</td>
</tr>
<tr>
<td>24153</td>
<td>Commercial certs on multi node installs can be installed from the admin console.</td>
</tr>
<tr>
<td>25613</td>
<td>Contact name that starts with the number ‘9’ display correctly.</td>
</tr>
<tr>
<td>26213</td>
<td>The organizer of a meeting now receives an appointment reply when an instance of a recurring appointment is changed.</td>
</tr>
<tr>
<td>31535</td>
<td>Email messages with inline images that are forwarded from a SmartZone account display in the body of the email message.</td>
</tr>
<tr>
<td>32120</td>
<td>The admin console no longer opens another session when View Mail is clicked from Aliases or Resources.</td>
</tr>
<tr>
<td>32254</td>
<td>When a new attendee is added to a recurring appointment’s series, the attendee is added to all future exceptions, including canceled instances. Exceptions in the past are not sent to the new attendee as they are no longer relevant.</td>
</tr>
<tr>
<td>32566</td>
<td>ZCS 5.0.12 upgraded to MySQL 5.0.67. This resolves a MySQL bug (20358) that was causing the MySQL server to die.</td>
</tr>
<tr>
<td>32885</td>
<td>Reference to the word “zimbra” in ZWC Parameters&gt;Import/Export tab was changed to “account”.</td>
</tr>
<tr>
<td>33025</td>
<td>Upgraded to clamav 0.94.1 in ZCS 5.0.12.</td>
</tr>
<tr>
<td>33040</td>
<td>Documents Notebook now shows attachments and images correctly.</td>
</tr>
</tbody>
</table>
33108 Admin can now search by the complete email address, not just account name.

33238 Users can now create personal appointments without getting a JS error when group calendar is disabled.

33366 Fixed issues that caused Domino migrations to hang or take a long time and cause the migration to fail.

33379 The Zimlet tab in the admin console now works correctly.

33428 Additional documentation is available in /opt/zimbra/docs/

33604 Service status error when upgrading from 5.0.11 has been fixed.

33728 Domain admins can now modify street and streetAddress fields for accounts.

33764 For the advanced ZWC, when zimbraSkinLogoURL is not set, the App Banner link is not removed.

34196 Error messages that display in ZWC have been improved to display more useful error information. This information can be copied and pasted, as well.

34364 Address Book. Information that is entered in the Work tab now displays in the auto-complete drop-down display.

34180 When contacts are imported/exported, the default file type is now set to the correct .csv format.

34412 The Calendar Resource no longer allows double booking when meetings overlap. The second request is declined.

33372 The New Folder button displays correctly in the folder list header.

**Major Issues Fixed for 5.0.11**

To see a list of all the changes for this release, see the Zimbra Product Portal, (http://pm.zimbra.com/pm_patch.php?patch=5_0_11&status=Future&rel=5.0&relName=Franklin)
<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>20555</td>
<td>You can now enable the use of dspam by setting the localconfig attribute <code>amavis_dspam_enabled</code> to True on MTA nodes. <code>zmlocalconfig -e amavis_dspam_enabled=true</code> The default is to ship with dspam disabled.</td>
</tr>
<tr>
<td>24153</td>
<td>Installing commercial cert on a multi node install from the admin console now works.</td>
</tr>
<tr>
<td>31242</td>
<td>Sharing a folder and assigning the admin permissions on the folder now works correctly.</td>
</tr>
<tr>
<td>31602</td>
<td>SSL certificates and keys now are correctly installed on non-LDAP servers.</td>
</tr>
<tr>
<td>31964</td>
<td>Users can now read an HTML email in their web client from Internet Explorer</td>
</tr>
<tr>
<td>31978</td>
<td>When you right-click the email content pane column header to modify the email view, disabling the Received column no longer disables the Inbox view.</td>
</tr>
<tr>
<td>32011</td>
<td>The global administrator can change passwords from the administration console.</td>
</tr>
<tr>
<td>32127</td>
<td>Search by Domains now works</td>
</tr>
</tbody>
</table>

**Major Issues Fixed for 5.0.10**

To see a list of all the changes for this release, see the Zimbra Product Portal, [http://pm.zimbra.com/pm_patch.php?patch=5_0_10&status=Future&rel=5.0&relName=Franklin](http://pm.zimbra.com/pm_patch.php?patch=5_0_10&status=Future&rel=5.0&relName=Franklin)

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9858</td>
<td>Zimlets that add buttons to the compose toolbar now display correct in the “new window” compose page.</td>
</tr>
<tr>
<td>24868</td>
<td><code>zmcluctl status</code> cluster monitoring has been improved to monitor all services.</td>
</tr>
<tr>
<td>26652</td>
<td>When the Junk folder is emptied, the content is hard deleted. It is <strong>not</strong> moved to the Trash folder.</td>
</tr>
<tr>
<td>Bug Number</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>-------------</td>
</tr>
<tr>
<td>27645</td>
<td>Exceptions to a recurring meeting are no longer lost when the organizer of the meeting makes a change to the series of a recurring meeting.</td>
</tr>
<tr>
<td>28598</td>
<td>Fixed issues with appointment reminder in Calendar that caused alert information about meetings to display at the wrong time. Reminders should display correctly now.</td>
</tr>
<tr>
<td>29627</td>
<td>To address the issue that caused fatal mailbox error when contact folder was too large, the value of <code>zimbraContactMaxNumEntries</code> is now set to 10000. Important: When upgrading to 5.0.10, this attribute value is changed to 10000. Previously the value was 0 (unlimited) and this value can cause this error to occur.</td>
</tr>
<tr>
<td>30002</td>
<td>Fixed issue that caused LDAP not to identify a canonical address in a non-local domain. A non-existing domains is cached so ZCS does not repeatedly search LDAP for non-existing domains.</td>
</tr>
<tr>
<td>30128</td>
<td>IMAP/POP proxy capability command is now configurable, and default configuration includes all capabilities supported by the ZCS back end IMAP/POP servers. In earlier releases capability response before authentication was a limited set which caused some clients to disable features supported by the ZCS back end IMAP/POP servers.</td>
</tr>
<tr>
<td>30633</td>
<td>For better support running <code>zmproxyinit</code> against remote nodes, <code>-r</code> command has been reconfigured. The old <code>-r</code> option has become the <code>-t</code> option.</td>
</tr>
<tr>
<td>30948</td>
<td>Documents wiki templates on all Domains can be upgraded at once using <code>zmprov ut</code>. This updates the Notebook templates for all Notebook system accounts including domain Notebook accounts. This is upgraded on a per server basis. <code>-h</code> is used to specify the target host for <code>zmprov ut</code>.</td>
</tr>
</tbody>
</table>
### Major Issues Fixed for 5.0.9

To see a list of all the changes for this release, see the Zimbra Product Portal, (http://pm.zimbra.com/pm_patch.php?patch=5_0_9&status=Future&rel=5.0&relName=Franklin)

<table>
<thead>
<tr>
<th>Issue Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>31001</td>
<td>Proxy configuration was added to The Server General Information tab in the administration console includes as a new checkbox “This server is a reverse proxy lookup target”. If this is selected then Server &gt; IMAP &gt; Enable clear text login is automatically checked and grayed out.</td>
</tr>
<tr>
<td>31080</td>
<td>Fixed issues in Zimbra Web Client - Clicking the From column in ZCS now sorts messages in the content pane correctly.</td>
</tr>
<tr>
<td>23154</td>
<td>Ubuntu 8.04 is GA for Open Source Edition and Beta for the Network Edition</td>
</tr>
<tr>
<td>25882</td>
<td>ZCO - GAL entries are no longer added to the Inbox folder</td>
</tr>
<tr>
<td>26457</td>
<td>Searching shared contacts now works.</td>
</tr>
<tr>
<td>28085</td>
<td>Installing commercial certs from the admin console for single nodes now works.</td>
</tr>
<tr>
<td>28471</td>
<td>The option to disable redirect to the Standard ZWC for 800 x 600 screens is now set by COS</td>
</tr>
<tr>
<td>28717</td>
<td>When you right-click on the From field in a message, you can now select <strong>Edit as New</strong>. Use this feature to send a message without having to forward the message.</td>
</tr>
<tr>
<td>28843</td>
<td>Shortcut keys are now localizable.</td>
</tr>
<tr>
<td>29138</td>
<td><code>zimbraPublicServiceHostname</code> now works when <code>zimbraMailReferMode</code> is set to reverse-proxy.</td>
</tr>
<tr>
<td>29204</td>
<td>Public Shared documents can now be viewed when using http proxy</td>
</tr>
<tr>
<td>29328</td>
<td>Calendars are now shared properly between servers</td>
</tr>
<tr>
<td>29395</td>
<td>Updated postfix configuration to use proxymaps to improve reliability and performance.</td>
</tr>
<tr>
<td>29379</td>
<td>The printing issues when using Firefox 3 are resolved</td>
</tr>
<tr>
<td>Patch Number</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------</td>
</tr>
<tr>
<td>29438</td>
<td>Fixed issue that made Zimlet icons not display correctly</td>
</tr>
<tr>
<td>29458</td>
<td>Sharing now works correctly when http proxy is enabled. See New Features for 5.0.9</td>
</tr>
<tr>
<td>29475</td>
<td>zmcertmgr now detects and corrects line endings before concatenating chains</td>
</tr>
<tr>
<td>29479</td>
<td>Zimbra proxy. zmproxyinit does not run against a remote server.</td>
</tr>
<tr>
<td>29544</td>
<td>Can now open a shared Calendar in a new window</td>
</tr>
<tr>
<td>30126</td>
<td>Zimbra proxy default nginx capability list now includes IDLE and AUTH=PLAIN and NAMESPACE for imapsync</td>
</tr>
<tr>
<td>30165</td>
<td>Fixed issues that caused java.lang.OutOfMemoryError: Direct buffer memory error.</td>
</tr>
<tr>
<td>30609</td>
<td>Fixed issue with the max process limits being set too low on OSX. Set to 2048 for 10.4 and 10.5. 1000 for 10.4 server. Note: OSX 10.4 and 10.5 MAC servers must be rebooted after upgrading to 5.0.9 or later from 5.0.8 or previous release.</td>
</tr>
</tbody>
</table>

**Major Issues Fixed for 5.0.8**

To see a list of all the changes for this release, see the Zimbra Product Portal, (http://pm.zimbra.com/pm_patch.php?patch=5_0_8&status=Future&rel=5.0&relName=Franklin)

<table>
<thead>
<tr>
<th>Patch Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>29706</td>
<td>Fixed the issue in themes that caused only the first domain custom colors and logos to display. The server name is included in cache ID so that each domain generates its own skin resources.</td>
</tr>
<tr>
<td>29600</td>
<td>The upgrade can fail while attempting to update LDAP if the installed certificate contains a host name not equal to the zimbra server host name. You should take the steps described in IMPORTANT: 5.0.7 Upgrade Issue, page 49 to prevent this.</td>
</tr>
<tr>
<td>29350</td>
<td>Calendar now displays the background color of meetings correctly: for <strong>accept</strong> (opaque), <strong>tentatively accepted</strong> (somewhat transparent), or <strong>declined</strong> (very transparent).</td>
</tr>
</tbody>
</table>
Fixed issues with Calendar that caused meetings to disappear from shared calendars when the delegatee is invited.

The ability to move between fields by tabbing now works when composing in a new window.

Fixed - ICSA formatter no longer locks mailbox during socket write.

CTL-Shift-b double click on a contact name, now works correctly for contacts that do not have an email address.

The following Zimbra Proxy issues are fixed

Customers using SASL/GSSAPI auth will be more easily able to use this with proxy.
When upgrading to ZCS 5.0.9 and use Zimbra proxy, you are prompted to enter the “Bind password for Nginx ldap users.” This is only required for GSSAPI auth.

Sharing now works when using proxy.

Proxy stability improved.

Proxy stability improved.

Additional default capabilities were added to the CAPA list returned when proxy is used.

Microsoft Office 2007 format extensions are now supported.

In the ZWC administration console Mail Feature, External POP3/IMAP access has been split into two different features, External IMAP access and External POP access. This feature has been available from the CLI beginning with 5.0.2.

When using Firefox for ZWC, you can now right-click on an attachment to use the “Save as” option.

Calendar - The ability to hit Search to view all resources and all locations has been added back to Calendar.
| 19394 | Calendar. When users export their calendars, they can choose different csv formats to export into. In Preferences>Calendar>Export, the drop-down displays the list. |
| 24926 | Previously in Calendar, recurring meeting limit was hard-coded to a maximum setting. Now it can be configured. For no limitations, set all limits to 0 (zero). These are controlled by Global Config attributes. The default values are:  
  - zimbraCalendarRecurrenceMaxInstances 0  
  - zimbraCalendarRecurrenceDailyMaxDays 730  
  - zimbraCalendarRecurrenceWeeklyMaxWeeks 520  
  - zimbraCalendarRecurrenceMonthlyMaxMonths 360  
  - zimbraCalendarRecurrenceYearlyMaxYears 100  
  - zimbraCalendarRecurrenceOtherFrequencyMaxYears 1  
  (continued) These are set during a new install of ZCS and upgrades. When you upgrade to 5.0.7, to have users accounts set to these defaults settings, you will need to run zmfixcalendtime -a all.  
  When upgrading to 5.0.7 or later, to set recurring limits other than the defaults and update the existing appointments for all accounts with these limits:  
  1. Run zmprov mcf <attribute> to set the default limits  
  2. Restart the server.  
  3. Run zmfixcalendtime -a all to make the change to all accounts on the server. **Note:** to change a single account, run zmfixcalendtime -a <user> |
| 26109 | You can now set a mix of ports for mail and proxy through the zmproxyinit command. In most cases this is not necessary as the ports are set during ZCS install. |
| 27725 | Two server/globalconfig attribute, were created as extensions for the MTA:  
  - zimbraMtaSmpdpMilters  
  - zimbraMtaNonSmpdpMilters  
  These are used for external postfix milter programs. For more information about using these attributes, see the article, Postfix before-queue Milter support, <http://www.postfix.org/MILTER_README.html> |
<table>
<thead>
<tr>
<th>Bug Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>27989</td>
<td>Fixed the issue with zimbra proxy where, the zimbraMailMode was incorrectly set to mixed.</td>
</tr>
<tr>
<td>28037</td>
<td>Zimbra Web Client email attachments do not open when used with Safari if Safari is configured to block pop up messages. When this happens, the following error message displays, “oops! browser is blocking pop-ups.” Users will need to enable pop ups to see email attachments.</td>
</tr>
<tr>
<td>28083</td>
<td>Improvements to zmproxyinit. For new installs, two new menu options are configured, if Zimbra Proxy is not installed. Configure store for use with reverse mail proxy: Configure store for use with reverse web proxy: The default setting is FALSE. Setting them to TRUE will cause the various store specific pieces related to proxying to be set for mail and/or Web proxy.</td>
</tr>
<tr>
<td>28085</td>
<td>Fixed the issue that caused the zmcertmgr to not break down the concatenated commercial cert from LDAP when installing certs.</td>
</tr>
<tr>
<td>28175</td>
<td>Fixed syslog setup on OpenSUSE</td>
</tr>
<tr>
<td>28497</td>
<td>Fixed 5.0.6 bug that made ZWC upgrades incorrectly set the openladp-data ownership to root:root.</td>
</tr>
<tr>
<td>28633</td>
<td>Fixes appointment reminder notification for Zimbra Web Client. The admin can run a tool to add reminder notification to accounts that do not have reminder notification for future appointments. See Miscellaneous Important Notices, page 15.</td>
</tr>
<tr>
<td>29038</td>
<td>All mail modes are supported with Zimbra Proxy. Note: See Known Issues, Bug 29380.</td>
</tr>
<tr>
<td>29386</td>
<td>A new menu item to track the Zimbra Proxy mailbox mode is configured during Zimbra Proxy install. The Proxy server mode can have the same values as the store server modes. (http, https, both, mixed, and redirect). See Known Issues, Bug 29380.</td>
</tr>
</tbody>
</table>
## Major Issues Fixed for 5.0.6

<table>
<thead>
<tr>
<th>Issue Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>19283</td>
<td>ZCO - With shared calendars and an invite is sent by the grantee on behalf of the grantor, the grantee is now notified. ZCO puts a reply-to header on all delegated meeting requests.</td>
</tr>
<tr>
<td>11189</td>
<td>Deleting an alias deletes the alias object in all cases. When adding an alias of an account or DL, alias entries that exist but point to non-existing entries are cleaned up before the alias is added.</td>
</tr>
<tr>
<td>14777</td>
<td>The server was sending XML back for errors which would break the Advanced ZWC client. This has been fixed.</td>
</tr>
<tr>
<td>23869</td>
<td>The birthday field now displays in standard Zimbra Web Client Address Book.</td>
</tr>
<tr>
<td>24066</td>
<td>Inline images now display in the message instead of being made into attachment links.</td>
</tr>
<tr>
<td>25845</td>
<td>The bug with REST import/export of calendar that caused a large space usage increase in appointments has been fixed. Note this bug particularly impacted Lightning.</td>
</tr>
</tbody>
</table>
| 25854        | 1. Free appointments and declined appointments no longer have the same opacity when viewed in the Calendar.  
2. When an meeting invitation is shown as tentative in free/busy and an invitee accepts the meeting, the meeting is displayed as if it was accepted, not a tentative meeting. |
<p>| 26114        | When using Safari 3.1, attachments can now be sent with an email. |
| 26432        | When viewing your email in Message view, and performing a search, the first result found will now display in rich text format if users are viewing their messages in rich text. |
| 26786        | Extra protections have been put into Zimbra utilities to avoid problems associated with re-writing config files when a file system is full. |
| 27428        | Fixed the issue that prevented GAL results from displaying when clicking on To or Cc to address an email message. |
| 27537        | Message Queue now properly displays pop ups. |</p>
<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>19927</td>
<td>A new tool is available to check for consistency between the database and blobs is available. Note that we do not generally recommend running this. This should only be run if you have reason to suspect there is a problem such as you see missing blob statement. Important: This command should not be run when the mailbox server is running!</td>
</tr>
<tr>
<td>---</td>
<td>Ubuntu 64 bit is now GA, beginning with 5.0.6</td>
</tr>
</tbody>
</table>

**Major Issues Fixed for 5.0.5**

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5594</td>
<td>The Web server mode <strong>Both</strong> is no longer remapped to <strong>Mixed</strong>. <strong>Both</strong> is a valid mode.</td>
</tr>
<tr>
<td>13194</td>
<td>The Help systems in Zimbra Web Client and in the administration console now open correctly</td>
</tr>
<tr>
<td>14088</td>
<td>Logger database optimization is now default to run only once per day. The interval can be configured with localconfig key, <code>logger_logprocess_optimize_interval</code>, the value is in seconds.</td>
</tr>
<tr>
<td>21441</td>
<td>Mac OS X V10.5 (Leopard) support is introduced for Open Source ZCS (Beta)</td>
</tr>
<tr>
<td>21452</td>
<td>Cross mailbox search is no longer displayed for the domain admin function.</td>
</tr>
<tr>
<td>24700</td>
<td>Documents - Notebook templates that have been modified are saved when ZCS is upgraded to the next release.</td>
</tr>
<tr>
<td>24897</td>
<td>Ubuntu system file <code>/etc/pam.d/su</code> is modified to allow for greater system resources to be allocated to ZCS.</td>
</tr>
<tr>
<td>25246</td>
<td>Logging to default syslog mail facilities will be disabled beginning with new installations of 5.0.5 Existing customers that would like to reduce their log volumes can rerun <code>zmsyslogsetup</code>.</td>
</tr>
<tr>
<td>25370</td>
<td>In the admin console, the Backup status now correctly shows the latest backup for each server.</td>
</tr>
<tr>
<td>25834</td>
<td>ZCS upgraded Amavisd to 2.5.4</td>
</tr>
<tr>
<td>26114</td>
<td>Attachments are now sent with email messages when using Safari 3.1</td>
</tr>
<tr>
<td>Issue Number</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------</td>
</tr>
<tr>
<td>26544</td>
<td>Postfix upgraded to 2.4.7</td>
</tr>
<tr>
<td>26935</td>
<td>zmcertmgr options have changed. New options include creatcrt and savecrt. Certs are now stored in LDAP using zimbraSSLCertificate and zimbraSSLPrivateKey</td>
</tr>
</tbody>
</table>

**Major Issues Fixed for 5.0.4**

<table>
<thead>
<tr>
<th>Issue Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>26122</td>
<td>Fixed the proxy server issue where an invalid POP command could cause the proxy server to crash.</td>
</tr>
</tbody>
</table>
# Major issues fixed in 5.0.3

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>24793</td>
<td>The Rest interface now works for importing .csv using curl.</td>
</tr>
<tr>
<td>24519</td>
<td>When the zimbra proxy package is installed, the ports are set for a proxy type of configuration regardless of whether or not proxy is installed.</td>
</tr>
<tr>
<td>24066</td>
<td>Inline images are now rendered in the message instead of being shown as attachments.</td>
</tr>
<tr>
<td>24860</td>
<td>The detached compose window now opens without delay.</td>
</tr>
<tr>
<td>24537</td>
<td>When using Internet Explorer, popup menus now close correctly.</td>
</tr>
<tr>
<td>24048</td>
<td>Skins (Themes) can now be deployed when the source and destination directories are not the same. The servers must be restarted when you deploy the skin.</td>
</tr>
<tr>
<td>24562</td>
<td>Mailbox move now works correctly.</td>
</tr>
<tr>
<td>24829</td>
<td>Created default DB_CONFIG for amavisd. Also added support for a custom DB_CONFIG for amavisd. BDB with Amavis is being disabled beginning with 5.0.3.</td>
</tr>
<tr>
<td>24120</td>
<td>convertd failures no longer stops mail delivery.</td>
</tr>
<tr>
<td>20785</td>
<td>Full backups start as scheduled in the crontab.</td>
</tr>
<tr>
<td>24170</td>
<td>Context menus now display and close correctly.</td>
</tr>
<tr>
<td>23905</td>
<td>When modifying a skin, the URL link will now correctly go to the URL you specify instead of to zimbra.com.</td>
</tr>
<tr>
<td>24505</td>
<td>Under certain conditions IMAP copy of a draft message could crash the server. This has been fixed.</td>
</tr>
<tr>
<td>24541</td>
<td>Upgrading a LDAP replica no longer deletes mime tree from the LDAP master.</td>
</tr>
<tr>
<td>24507</td>
<td>Fixed the issue that caused the server to hang when it was unable to commit a db transaction.</td>
</tr>
<tr>
<td>24772</td>
<td>Outgoing messages are no longer blocked when the size of the message being sent is below the maximum message size.</td>
</tr>
<tr>
<td>25214</td>
<td>When logging in and selecting the mobile client, Zimbra correctly loads the mobile client.</td>
</tr>
<tr>
<td>24012</td>
<td>The “last Logged in” field in the admin console Accounts view now is updated when using an external LDAP.</td>
</tr>
</tbody>
</table>
### Major Issues Fixed for 5.0.2

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>18503</td>
<td>All results from the GAL now sync to Outlook.</td>
</tr>
<tr>
<td>22311</td>
<td>The issues that caused mailxd to use excessive CPU have been fixed.</td>
</tr>
<tr>
<td>22468</td>
<td>The conf/ldap-v*.cf files are rewritten with the new LDAP password. Absence of this password caused mail delivery to stop after upgrade. See <a href="#">Changes to ZCS configuration passwords, page 46</a>.</td>
</tr>
<tr>
<td>23330</td>
<td>When upgrading from 4.5.x to 5.0.2, Postfix upgrades correctly.</td>
</tr>
<tr>
<td>23627</td>
<td>LDAP replication now works after upgrading to 5.0.2. Note: Specific upgrade procedures are required for the LDAP replica servers to go from 4.5.10 or earlier to 5.0.2. See <a href="#">Upgrade Process, page 42</a>.</td>
</tr>
<tr>
<td>23637</td>
<td>Right-clicking on a message and selecting New Filter now works.</td>
</tr>
</tbody>
</table>

### Major Issues Fixed for 5.0.1

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>23196</td>
<td>Mailboxd updated to address the security issue that WEB-INF files were visible on the Web</td>
</tr>
<tr>
<td>19601</td>
<td>Poorly written LDAP clients that aborted before the results from the LDAP master server were received caused the LDAP master to hang. This has been fixed.</td>
</tr>
<tr>
<td>Bug Number</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------</td>
</tr>
<tr>
<td>23253</td>
<td>Even if you have expired CA certs, after you upgrade to 5.0 email messages will be delivered</td>
</tr>
<tr>
<td>6388</td>
<td>If an EMPTY_RESPONSE exception happens when using IE, ZCS retries the request.</td>
</tr>
<tr>
<td>22961</td>
<td>The ldap_master_url must be in lower case. The script now automatically converts uppercase letters to lower case.</td>
</tr>
<tr>
<td>23225</td>
<td>Folder names with non-ASCII characters that are created in a stand alone web client now display correctly in the Zimbra Web Client.</td>
</tr>
<tr>
<td>23488</td>
<td>Tags can now be marked with the color orange</td>
</tr>
<tr>
<td>22981</td>
<td>Columns now display correctly when languages other than English are selected.</td>
</tr>
<tr>
<td>23445</td>
<td>Outlook 2003 IMAP connection is no longer dropped after upgrading to ZCS 5.0</td>
</tr>
<tr>
<td>23434</td>
<td>Mac OS 10 only. OpenLDAP library is no longer linked as part of the xcode developer product. The error displayed is Library not loaded: /usr/lib/libtdl.3.dylib</td>
</tr>
</tbody>
</table>

### Product Documentation

Zimbra documentation is included in the installation and the pdf files can be accessed from the administration console, Help Desk page. Online help is available on the administration console and on the Zimbra Web Client. Documentation can also be found on the Zimbra web site.

### Additional ZCS Components included in Download

When the Zimbra Collaboration Suite is installed, the following additional components are saved to http://<server>/zimbra/downloads/index.html.

Links to these files are available from the administration console Downloads page.

- **ZCS Migration Wizard for Exchange** .exe file. Use the Migration Wizard .exe file to migrate Microsoft® Exchange server email accounts to the Zimbra server. Accounts from Microsoft Exchange 2000, 2003, and 5.5 can be migrated. See the ZCS Migration Wizard for Exchange Guide.

- **ZCS Migration Wizard for Lotus Domino** .exe file. Use the Migration Wizard for Domino .exe file to migrate Lotus Domino server email accounts to the Zimbra server. Accounts from Lotus Notes 6.0 or later can be migrated. See the ZCS Migration Wizard for Domino Guide.
• Zimbra Collaboration Suite Import Wizard for Outlook .exe file.
  Users can use this file to import their Outlook .pst files to the Zimbra server. See Import Wizard for Outlook Guide.

System Requirements Updates for 5.0

New operating systems supported for 5.0 includes SUSE ES10 (32 and 64 bit).

Beginning with 5.0.20, the SUSE OS is, SUSE Linux Enterprise Server 10 (32 and 64 bit), SP3

End of Life Builds

The following operating systems are no longer supported:

• Mac PPC
• Mandriva
• SUSE ES 9

Note: For more information about migrating from EOL versions, see the MigrationFromEOL wiki page,

Upgrade Process

Important: Only ZCS systems at 4.5.7 or later can upgrade directly to 5.0.x. If you are running a version earlier than 4.5.7, you must first upgrade from 4.5.x to 4.5.11 before you upgrade to 5.0.x.

See Upgrading from 4.5.6 or earlier, page 47 and Upgrading from 5.0.2 or earlier, page 48 for specific details about new scripts to run during the upgrade. These scripts can be found in the /opt/zimbra/libexec/scripts on the latest 5.0.x install, or you can extract them from the core rpm package.

Note: Macintosh servers with OSX 10.4 or OSX 10.5 must be rebooted after upgrading to 5.0.9 or later from ZCS 5.0.8 or previous release.

Upgrading from 4.5.6 or earlier

If you are upgrading from 4.5.6 or earlier to 5.0.x the process to prepare and then upgrade would be as follows. Doing steps 3 and 6 before you upgrade will shorten the actual time it takes to upgrade.

1. If you have LDAP Replication Servers, you must modify each LDAP replica server before you upgrade the LDAP master server. See the instructions at LDAP Replication Servers, page 44. If you do not have LDAP replica servers, continue with step 2.

2. Download ZCS 4.5.11
3. Run the `migrateLargeMetadata.pl` script found in 4.5.11 to widen the metadata column before upgrading. (optional)

4. Upgrade to 4.5.11. Note: If they do not run `migrateLargeMetadata.pl`, the script is automatically run during the upgrade to 4.5.11.

5. Download 5.0.x.

6. Run the `migratePreWidenSizeColumns.pl` to shorten the time it takes to upgrade. (optional)

7. Upgrade to 5.0.x. Note: If you do not run `migratePreWidenSizeColumns.pl`, the script is automatically run during the upgrade to 5.0.x.

**Upgrading from 4.5.7 through 4.5.10 to 5.0.x**

If you are upgrading from 4.5.7 through 4.5.10 to 5.0.x the process to prepare and then upgrade would be as follows. Doing step 4 before you upgrade will shorten the actual time it takes to upgrade.

1. If you have LDAP Replication Servers, you must modify each LDAP replica server before you upgrade the LDAP master server. See the instructions at LDAP Replication Servers, page 44. If you do not have LDAP replica servers, continue with step 2.

2. Download 5.0.x.

3. Run the `migratePreWidenSizeColumns.pl` to shorten the time it takes to upgrade. (optional)

4. Upgrade to 5.0.x. Note: If you do not run `migratePreWidenSizeColumns.pl`, the script is automatically run during the upgrade to 5.0.x.

**Upgrading from 4.5.11 through 5.0.2 to 5.0.x**

If you are upgrading from 4.5.11 through 5.0.2 to 5.0.x the process to prepare and then upgrade would be as follows. Doing steps 2 before you upgrade will shorten the actual time it takes to upgrade.

1. Download 5.0.x.

2. Run the `migratePreWidenSizeColumns.pl` to shorten the time it takes to upgrade. (optional)

3. Upgrade to 5.0.x. Note: If you do not run `migratePreWidenSizeColumns.pl`, the script is automatically run during the upgrade to 5.0.x.

**Upgrading from 5.0.3 or later to 5.0.x**

Download the latest ZCS 5.0.x and run the upgrade.
Before you Upgrade

The following may need to be done before you upgrade.

LDAP Replication Servers

Important: If you have LDAP replica servers configured for ZCS, when you upgrade from 4.5.10 or earlier to 5.0, you must modify each LDAP replica server before you upgrade the LDAP master server. (Bug 23627)

The procedure is as follows:

1. To extract the zimbra.schema file from the current version, you can use the following command to find the exact path in the LDAP package.

   ```
   # rpm -qlp currentversionZCSinstallldappackagefullfilename.rpm | grep zimbra.schema
   ```

   ```
   # rpm -qlp zimbra-ldap-5.0.6_GA_2314.RHEL4-20080522092131.i386.rpm | grep zimbra.schema
   /opt/zimbra/openldap-latest-version/etc/openldap/schema/zimbra.schema
   ```

   **Note:** For Debian and Ubuntu distributions uses dpkg package manager instead of rpm.

2. Run the following command to extract the file to the temp directory.

   ```
   # rpm2cpio currentversionZCSinstallldappackagefullfilename.rpm | cpio -vid ./opt/zimbra/<openldaplatest_version>/etc/openldap/schema/zimbra.schema
   # mv opt /tmp
   ```

3. On each LDAP replica server perform the following:

   - Stop LDAP, as the zimbra user, type `ldap stop`
   - Change directories, type `cd /opt/zimbra/openldap/etc/openldap/schema`
   - As the root user, type `mv zimbra.schema zimbra.schema.old`
   - As the root user, copy the new schema extracted in step 2 above. Type `cp /tmp/opt/zimbra/<openldaplatest_version>/etc/openldap/schema/zimbra.schema /opt/zimbra/openldap/etc/openldap/schema`
   - As the root user, type `chmod 664 zimbra.schema`
• Restart the server, as the zimbra user, type `ldap start`

4. Upgrade the LDAP master as described in the release notes

5. Upgrade the LDAP replicas as described in the release notes.

This procedure allows all the replica servers to properly preserve the changes made to the master during the upgrade process and allows ZCS 5.0.x non-LDAP servers to work with the 4.5.x replica servers.

See the Zimbra wiki, LDAP Replicas 4.5.x to 5.0.x, http://wiki.zimbra.com/index.php?title=LDAP_Replicas_4.5.x_to_5.0.x

**Important:** When performing an upgrade on servers running 32 bit RHEL 5 or FC 5, the installer may encounter a segmentation fault. No work around currently is available. Make sure you backup all configuration files before you start the upgrade! (Bug 21801)

`zmupdateauthkeys on all nodes`. **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. On all platforms except Mac, you are prompted to decide if you would like to run the `zmdbintegrityreport`.

Note: On the Mac this option is not available.

The `zmdbintegrityreport` can take minutes to an hour to run, depending on your system size and disk bandwidth. If you answer NO to running `zmdbintegrityreport` at upgrade or if you have a Mac, the first time `zmdbintegrityreport` runs post-upgrade, it will report a failure. This is due to mysql_upgrade not having been run yet. This first-run failure can be ignored.

**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 customers choose to disable this, it is recommended that the integrity reports be run by hand during the customer’s normal maintenance windows and prior to running any ZCS upgrades.(5.0.14, bug 34537)

**Zimbra Logger Database Integrity Check (5.0.14)**

Logger corruption is a common issue. If the logger is corrupt, the upgrade will fail. The installer now prompts to verify the logger database on zimbra LOGGER nodes.
You can check the integrity and repair the logger tables in the logger database with zmdbintegrityreport -l. The -l is the logger database option.

**New Zimbra Packages for 5.0**

Beginning with 5.0, additional feature packages are included in the install script. If your ZCS environment uses Proxy, you upgrade you will notice the package listed in Packages to Install list.

- Zimbra Proxy. The default to install this package is set to No. When you install/upgrade ZCS 5.0, if you want to use the proxy feature, change this to Yes.

**Changes to ZCS configuration passwords**

The ZCS 5.0 configuration includes better security and audit trails by generating the following passwords:

- **LDAP Admin password.** This is the master LDAP password. This is not new, but has been renamed.
- **LDAP Root password.** This is used for internal LDAP operations.
- **LDAP Postfix password.** This is the password used by the postfix user to identify itself to the LDAP serve and must be configured on the MTA server to be the same as the password on the LDAP master server.
- **LDAP Amavis password.** This is the password used by the amavis user to identify itself to the LDAP server and must be configured on the MTA server to be the same as the password on the LDAP server.
- **LDAP Replication password.** This is the password used by the LDAP replication user to identify itself to the LDAP master and must be the same as the password on the LDAP master server.

When you upgrade to 5.0.x, if your zimbra admin password in the config file does not match the zimbra admin password in LDAP, the upgrade will fail. There is no way to test that the zimbra admin password is correct in LDAP. (Bug 23309) If you have reason to believe that your passwords do not match, see the wiki page, [http://wiki.zimbra.com/index.php?title=Setting_zimbra_admin_password_in_LDAP](http://wiki.zimbra.com/index.php?title=Setting_zimbra_admin_password_in_LDAP).

**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. The following have been tested for 5.0.

- RHEL4 - Red Hat Enterprise Linux ES release 4 (Nahant Update 5 and 6)
- RHEL4_64 - Red Hat Enterprise Linux AS release 4 (Nahant Update 5 and 6)
- SLES10 - SUSE Linux Enterprise Server 10 SP3
• SLES10_64 - SUSE Linux Enterprise Server 10 (x86_64) SP3
• UBUNTU6 - Ubuntu Server 6.06.1 LTS
• RHEL5 - Red Hat Enterprise Linux Server release 5 (Tikanga)
• RHEL5_64 - Red Hat Enterprise Linux Server release 5.2 (Tikanga)
• Mac OS 10.4 Tiger
• Mac OS 10.5
• UBUNTU 6.06
• UBUNTU 6 64
• UBUNTU 8 64
• UBUNTU 8.04
• Debian 4.0
• Fedora 7

**Update to Supported Operating Systems**

SUSE Enterprise Linux 10 (SLES10) SP1 supported with 5.0.4 and later
SUSE Enterprise Linux 10 (SLES10) is supported with 5.0.0 or later

**Verify Certificates Expiration Date**

ZCO 5.0.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`

**Upgrading from 4.5.6 or earlier**

To shorten the time it takes to upgrade from 4.5.6 or earlier to 5.0.x or later, you may want to run the `migrateLargeMetadata.pl` script to help incrementally apply the widening of the MySQL metadata column before you upgrade. If you do not run this script before you upgrade, the metadata column are widened as part of the ZCS upgrade, but this can increase the time it takes to upgrade.

Run this script on all Zimbra mailbox servers.
1. Before you begin, stop all ZCS processes except mysql

2. Go to the directory where `migrateLargeMetadata.pl` is located, `/opt/zimbra/libexec/scripts/`.

3. Run `migrateLargeMetadata.pl`  
   If you run this without options, you will see how many mailbox groups need to be upgraded and you can set the number of accounts to be processed at a time.  
   To update all mailbox groups, run `migrateLargeMetadata.pl -a`.

### Upgrading from 5.0.2 or earlier

To shorten the time it takes to upgrade from 5.0.2 or earlier to 5.0.3 or later, you may want to run the `migratePreWidenSizeColumns.pl` script against all or a subset of mailbox groups in order to reduce the amount of downtime needed to perform the full upgrade. Schema version 50 introduced in 5.0.3 GA widens the column size of the revision table in the ZCS database. This script can take a significant amount of time on large systems.

If you do not run this script before you upgrade, the column size of the revision table is widened as part of the ZCS upgrade, but this can increase the time it takes to upgrade.

### To run this script:

1. Locate the `migratePreWidenSizeColumns.pl` script file. The file is available in ZCS 5.0.3 or later when you unzip the ZCW upgrade bits.
   
   If you have been working with the upgrade in a test environment, you can copy the file to the mailbox servers. In the test server, you can find the file in `/opt/zimbra/libexec/scripts`.

   If you are not able to get the file from a test environment, extract the file from the upgrade bits on the server. The following is an example of steps to extract the file.

   a. `cd <to the package directory where the expanded 5.0.3 or later tarball is located>`.

   b. To extract the script from the RPM type
      
      ```bash
      rpm2cpio <zimbra-core-5.0.3 or later.rpm> | cpio -vid
      ./opt/zimbra/libexec/scripts/migratePreWidenSizeColumns.pl
      ```

      **Note:** For `dpkg` packages (i.e. UBUNTU/DEBIAN distributions) type `dpkg-deb --fsys-tarfile <zimbra-core-5.0.3 or later.deb> | tar -xf
      ./opt/zimbra/libexec/scripts/migratePreWidenSizeColumns.pl`

   c. Now enter
      
      ```bash
      mv /opt/zimbra/libexec/scripts/migratePreWidenSizeColumns.pl /opt/zimbra/libexec/scripts
      ```

2. As the zimbra user, stop all ZCS processes except mysql
a. su - zimbra
b. zmcontrol stop
c. mysql.server start

4. Go to the /opt/zimbra/libexec/scripts directory. Type
cd /opt/zimbra/libexec/scripts

5. Run the script with perl. Type
perl ./migratePreWidenSizeColumns.pl -g <all | N groups>
The -g parameter is not optional. You will get an error if you do not specify -g. If you specify N groups to migrate, the script updates the first N groups it finds. It does not update a group that has already been updated.

Run this script on all Zimbra mailbox servers.

**IMPORTANT: 5.0.7 Upgrade Issue**

The upgrade will fail while attempting to update LDAP if the installed certificate contains a host name not equal to the zimbra server host name. (Bug 29600)

**Prevention:**

If you have certs that have a hostname not equal to the zimbra server host name, before the upgrade run the following on all mailbox servers.

```
zmlocalconfig -e ssl_allow_untrusted_certs=TRUE
```
and then run
```
zmlocalconfig -e ssl_allow_mismatched_certs=TRUE.
```

**Symptom:**

Packages are installed and slapd is running, however, configuration provisioning fails.

```
zmsetup.log snip:
```
Workaround:

If you start an upgrade and find this problem, run the same localconfig as described in Prevention. The steps would be as follows

1. Run, `zmlocalconfig -e ssl_allow_untrusted_certs=TRUE`
2. Run `zmlocalconfig -e ssl_allow_mismatched_certs = TRUE`
3. After applying the workaround, run `libexec/zmsetup.pl` to complete the upgrade.

If your environment requires a secure IPC working, please contact Zimbra Support or see this bug for the workaround.

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.

Single-Server Upgrade Steps

Read the release notes, especially the Miscellaneous Important Notices and the Known Issues sections in this release note, 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 Suite Open Source Edition 5.0.26 archive tar file is saved (cd /var/tmp). Type the following commands:
   
   ```bash
   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 and then checks for the Zimbra license. If the license is found, the number of current users and the number of user licenses is listed.

2. The Zimbra software agreement is displayed. Read this software license agreement and press Enter.

3. The installer checks for prerequisites. If any are missing, the upgrade stops. The installer checks for a recent backup. If one is not found, Do you wish to continue without a backup? is displayed. The default is N. If you select N, you exit the upgrade. Run a backup and then restart the upgrade.

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.

   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. Do you want to verify logger database integrity (Y) is displayed. The default is Yes. This step runs zmdbintegrityreport -l to verify that the Logger database is not corrupt before upgrading to the latest ZCS.

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

7. 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.
8. 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.

9. 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.

10. 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. 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 Suite upgrade archive tar file is saved (cd /var/tmp). Type the following commands:
   ```bash
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 press **Enter**.

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 you upgrade the mailstore server, the installer displays **Do you want to verify logger database integrity (Y)** is displayed. The default is **Yes**. This step runs `zmdbintegrityreport -l` to verify that the Logger database is not corrupt before upgrading to the latest ZCS.

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

7. 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.

8. 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.

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

**Upgrade Steps on Mac Servers**

*Important:* In order to use proxy, the Zimbra proxy package must be manually installed after upgrading from 4.5.11 to 5.0.4.

1. Click on the dmg file to open the file and then click **ZCS.mpkg** to open the Zimbra install package. The Apple installer opens and verifies that the server is ready to upgrade the Zimbra Collaboration Suite. To install new packages, click **Customize**. Select the new packages to install. Click **Continue**.

2. Welcome screen appears, click **Continue**.

3. The Zimbra Software License Agreement is displayed. Read the agreement and click **Continue**. A popup screen appears asking that to continue the install you must accept the terms of the license agreement. Click **Agree**.

4. Confirm the destination volume where ZCS software is installed. Click **Continue**.

5. The **Easy Install ...** dialog displays. Click **Upgrade**. A progress bar shows the Zimbra packages being upgraded, when completed, click **Close**.
6. Open the Apple Terminal and log on as **root**. Type `sudo /bin/bash`. Enter your root password, if asked.

7. Type `/opt/zimbra/libexec/zmsetup.pl` This starts the ZCS configuration upgrade. The upgrade process verifies what version of ZCS is being run and proceeds to upgrade the services to Open Source Edition 5.0.26, restores the existing configuration files, and restarts the system.

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

To verify that a server is running, type `zmcontrol status`. Press **Enter**. The services status is displayed. All services should be running. If services are not started, type `zmcontrol start`.

**Beginning with 5.0.9**

(Bug 30609) Beginning with 5.0.9, upgrading to the latest version of ZCS configures `/etc/sysctl.conf` to add the correct max process limits. `kern.maxproc` is set to 2048 for 10.4 and 10.5. 1000 for 10.4 server.

**Note:** These files are not updated if you have manually configured these attributes.

All OSX 10.4 and OSX 10.5 users must reboot their Macintosh after upgrading to 5.0.9 or later from any 5.0.8 or previous release. First time installations of 5.0.9 or later on OSX 10.4 or OSX 10.5 require a reboot after installation, as well. This reboot is only necessary for the first upgrade to 5.0.9 or later. Subsequent upgrades do not require rebooting.

**After the Upgrade is complete**

After you completed the upgrade to 5.0, the following bullet items should be completed.

- After upgrading to **5.0.23**. If your environment includes LDAP replica servers, after you have upgraded the LDAP servers, on each replica server run:
  - `zmprov -l mcf zimbraMailUseDirectBuffers TRUE`
  - `zmcontrol stop`
  - `zmcontrol start`
  (Bug 44528)

- Verify that the following passwords are correct.
  - The MTA server is configured with the bind passwords for the postfix ldap user and for the amavis ldap user. After the upgrade, verify that the LDAP master server Postfix password and Amavis password are the same passwords configured on the MTA server.
• The LDAP replication server password must match the password on the LDAP master server. After the upgrade, verify that the password is the same as configured on the master LDAP server.

To view the passwords on a server, type `zmlocalconfig -s`.

To change the passwords on a server, type `zmlocalconfig -e <attribute> <password>`

• If your self-signed SSL certificates have expired, update them. See Verify Certificates Expiration Date, page 47.

• Upgrading from 4.5.x to 5.0 migrates the 4.5 signatures to the new 5.0 signature format but does not delete 4.5.x user signatures. After the upgrade to 5.0 is complete for all ZCS servers, you must run `migrate20071202-DeleteSignatures.pl` to delete 4.5.x signatures. This removes the 4.5.x signature style data from LDAP. (Bug 22289)

To run this script, as the zimbra user, type `/opt/zimbra/libexec/scripts/migrate20071202-DeleteSignatures.pl`

• If you want users to access the new Tasks and Briefcase features, update the Class of Service configurations to enable these features.

• 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)

**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 5.0.26 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, 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. Customized backup schedules stored in the Zimbra crontab and customizations to the crontab entry outside the designated comments are preserved.

**Zimbra Themes for ZCS 5.0**

Because of major changes to the design of the ZCS themes for 5.0, any themes you created or customized for 4.5.x, other than just to change the skin colors, does not work.

If you changed the skin colors for an existing theme, rename the theme directory before you upgrade to 5.0. After the upgrade, change your customized theme directory name back to the original theme name to replace the directory in 5.0. If you do not rename the theme directory, the directory will be overwritten.

**Beginning with 5.0.7** customers can change the logo and base colors of themes without having to customize individual themes. You can make the changes either globally or per domain. If you set the skin colors and logos globally, all themes on all domains are changed. If you set them per domain, themes on that domain are changed. If you make changes to themes at both global and domain levels, the domain values will be displayed.

This is done by modifying the following attributes:

- `zimbraSkinForegroundColor` to define the text color. This usually does not need to be changed as the default is black.
- `zimbraSkinBackgroundColor` to define the primary background color displayed in the client. This color is the background of the page. Variants of the color are used for buttons, background color of the Content and Navigation panes, tabs, and selection highlight
- `zimbraSkinSecondaryColor` to define the color for the toolbar and selection headers in the Navigation pane, and for a selected tab.
- `zimbraSkinSelectionColor` to define the color of the selected item such as a message, the clicked item from a right-click or other drop-down menus selection.

The color can be defined either by using an HTML color code number or a HEX color code number. The theme colors are configured globally or by domain by using CLI `zmprov` command.

**Global:**
`zmprov modifyConfig <attribute-name> [#HEX_or_HTMLcolorcode]`

**Domain:**
`zmprov modifyDomain <domain> <attribute-name> [#HEX_or_HTMLcolorcode]`

**Steps to change theme color by domain:**

1. As the Zimbra user, type the following
zmprov modifyDomain <domain> <attribute>
[#HEX_or_HTMLcolorcode] <attribute>[#HEX_or_HTMLcolorcode]

You can change the text color, the background color, the toolbar and selected tabs color and the color used to highlight a selection in a list.

2. Stop and start the server, type

zmcontrol stop
zmcontrol start

All ZCS themes for that domain now display these colors.

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.

General Known Issues

<table>
<thead>
<tr>
<th>Issue #</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Known third-party browser issues</td>
</tr>
<tr>
<td></td>
<td>Some browser issues can affect how the Zimbra administration console and Zimbra Web Client work.</td>
</tr>
<tr>
<td></td>
<td>When you get a browser error, try reloading the browser to continue.</td>
</tr>
<tr>
<td></td>
<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>
</tr>
<tr>
<td></td>
<td>• If mail is displayed in HTML format, you cannot select the text with the mouse.</td>
</tr>
</tbody>
</table>

since 5.0.11

|         | Several issues with the Chrome browser (search for Chrome in the subject) |
|         | Several issues with Yahoo contacts CSV import/export (search for “csv”) |
| 30803   | Mac iCal changes private events to public. This is a third-party bug. This is known issue that is currently being investigated by their engineering. |
| 32108   | Exchange migration tool hangs after choosing user from the Object Picker. This is a third-party bug. |
| 32985   | Calendar does not resolve mid-air collision when new attendees are added while some existing attendees are accepting the invite. |

since 5.0.10

| 30803   | When modifying a private event from Mac iCal, the event is changed to a public event. This is a third party issue |
### Previous to 5.0.10

<table>
<thead>
<tr>
<th>Bug ID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7039</td>
<td>Sometimes when ZCS is installed on a Mac with Intel Core Duo processors, an OS X kernel panic may occur. The panic is random and irregular. This is a third-party issue. Work around is to disable one processor.</td>
</tr>
<tr>
<td>12356</td>
<td>Uploading a file to Documents that exceeds the maximum upload size hangs the browser. No error is displayed.</td>
</tr>
<tr>
<td>14047</td>
<td>The anti-spam checks will not run against mail brought in via external POP</td>
</tr>
<tr>
<td>21484</td>
<td>National characters cannot be used in the Document Notebook file name.</td>
</tr>
<tr>
<td>21801</td>
<td>When performing an upgrade on servers running 32 bit RHEL 5 or FC 5, the installer may encounter a segmentation fault. No work around currently is available. Make sure you backup all configuration files before you start the upgrade!</td>
</tr>
</tbody>
</table>
| 29065  | In ZCS 5.0.5, the list of default SSL ciphers allowed by ZCS mailbox server and proxy server were changed to not allow weak ciphers. This change was done in Bug 21204 at the behest of installations that use security scanners that raise an alarm when weak cipher suites are in use. However, there might be some IMAP and POP clients (eg, VersaMail/Treo) that can only work with weak cipher suites. Administrators who have users using such mail clients are advised to restore their SSL cipher suites to the old default. **Caution:** The following zmprov command must be entered exactly as stated. An error in the command can cause serious server problems! Type: 

1. zmprov mcf zimbraReverseProxySSLCiphers

2. zmproxyctl stop

2. zmproxyctl start |

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### Bug Reporting

If you encounter problems with this software, go to [http://bugzilla.zimbra.com](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](http://www.zimbra.com/forums).

When you are reviewing a bug, you can vote for your favorite feature request or most annoying bug. Look for the link **Vote for this bug.**

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5.0.26 12/20/2010