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## Zimbra Collaboration Suite 6.0.8 Network Edition Release Notes

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Please read this release note as it contains the up-to-date changes for ZCS 6.0.8. The following sections are included:

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### Release Overview

This release note refers to the Zimbra Collaboration Suite Network Edition 6.08 release from Zimbra. This is a generally available (GA) release expected to run in production environments. ZCS Network Edition 6.08 requires a Zimbra license in order to create Zimbra accounts, and use ZCS Connector for Outlook, ZCS Connector for Apple iSync, and Zimbra Mobile.

The Zimbra Collaboration Suite Network Edition 6.08 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. Users can use Zimbra mobile for over-the-air synchronization of mail, address books, and calendar data between mobile devices and the Zimbra server. A comprehensive feature list is available on the Zimbra web site at [www.zimbra.com](http://www.zimbra.com).

Before you install the upgrade, please review the [Known Issues](#) section for a list of outstanding issues in this release.

## Major New Features for 6.0

### ZCS Administration and General Features

- **Role based delegate administration.** Delegated administration provides the ability to create custom administrator roles to manage your ZCS environment. Roles can be assigned to individual administrator accounts or distribution lists (referred to as administrative groups). All administrator members within the group inherit the assigned roles.(Bug 11515)
- The ZCS install ships with two sample delegated admin roles deployed as administrative groups:
  - \* `zimbraDomainAdmins@<default domain>`
  - \* `zimbraDLAdmins@<default domain>`.

Adding users to the `zimbraDomainAdmins` group will make them domain admins with `domainAdminConsoleRights`. These will provide administrators with domain admin privileges for the default domain.

In all previous versions of ZCS the items exposed to domain admins in the admin console were a subset of items that the global admin could actually modify directly via soap or CLI. The delegated admin functionality in 6.0 now exposes attributes in the admin console based on which rights are assigned to the admin. **domainAdminRights** will expose read-only functionality to the majority of attributes, and write functionality to all attributes with **domainAdminModifiable** flag set. (Bug 39096)

- To preserve the admin console views that existed in a pre 6.0 release, the **domainAdminConsoleRights** can be assigned. Domain admin accounts in previous releases of ZCS are assigned this right when ZCS is upgraded to 6.0.
- Adding users to the `zimbraDLAdmins` group will allow them to administer all distribution lists. When DL admins log into the admin console, the admin console UI will only display distribution lists, no other configuration features are present. (Bug 35896)
- The HSM policy is now search-based.

- Administrators can configure the HSM policy to move messages that are marked as Junk to the current secondary HSM volume. The HSM policy would read **message:in:junk before:-xdays** ("hours", "minutes" as well). (Bug 19655 and 38679)
- Administrators can move/consolidate messages from one message store to another. (Bug 23472)
- Support for moving Briefcase files and Document pages to separate HSM volumes. (Bug 25064)
- Admins can configure which blobs are migrated with HSM. (Bug 32719)
- Backup - A new option **--skipDeletes** has been added to `zmrestore`. If specified, `zmrestore` skips over delete operations during replay. (Bug 31824)
- Backup - Changes to the Backup feature now allows configuration and command line options to skip search index, all blobs, and /or HSM blobs during full backup, restore, and mailbox move. (Bug 35278)
- Backup. The default backup now is to backup files as a zip without compression. Previous to 6.0, backups were not zipped. (Bug 31836)
- Cluster. `zmcluctl` now support hardware only failover with Redhat Cluster Manager. CLI is **`zmlocalconfig -e zimbra_cluster_mode=hardware`**. (Bug 25456)
- Extension blocking is now done at both the Postfix header level and at the Amavis level which scans embedded archives for blocked extensions (Bug 30889)
- `zimbraSmtphostname` is now fault tolerant. (Bug 36173)
- Parsing of iPhone 3.0 meeting invitations is fixed. (Bug 37856)
- The admin can set the number of items to display per page on ZWC to be 250, 500, 100 or more items per page. COS/Account attributes **`zimbraMaxMailItemsPerPage`** and **`zimbraMaxContactsPerPage`** is configured to specify the number. (Bug 7411)
- SpamAssassin CLI tools are now included in the ZCS distribution. Use of `sa-update` is not encouraged at this time because the SARE `rulesemporium.com` site is not being updated. (Bug 27844)
- Configuring Calendar Resources from the admin console has been enhanced to improve the user experience, including the ability to set a scheduling policy (Bug 12414)
  - Resources scheduling policy has been enhanced to let you choose one of the following options:
    - Auto accept if available, auto decline on conflict. This is fully automatic.
    - Manual accept, auto decline on conflict. Only auto-decline is enabled

- Auto Accept always. Auto accept everything
- No auto accept or decline. Fully manual scheduling

**Note:** *If Auto decline all recurring appointments is selected, all recurring meeting requests are declined regardless of any auto decline on conflict settings that are configured.*

(Bug 19999 and 36591)

- For new installations of 6.0, an account's creation date now shows in account information. A new LDAP generalized time attribute, **zimbraCreateTimestamp**, is added on all object types beginning with 6.0. It is set on the object entry when an object is created. (Bug 22033). See the [More About ZCS 6.0 Features](#) section for more information.
- The language preference for the locale can be set from the administration console, either as COS or in an account. This is set up in the Preferences tab. (Bug 26863)
- You can now change the default MTA value for the bounce\_queue\_lifetime parameter through zmlocalconfig. The default is 5-day bounce lifetime. (Bug 31413)
- The Office and Department fields in the administration console Contact Information page of accounts has been removed, as they were not used. (Bug 33971)
- When items are shared with a distribution list, users will need to ask the administrator to publish the shared items' addresses in the Shared tab of the distribution list. When new members are added to an existing distribution list with shared members, administrators can notify the new members of the items shared with the DL. (Bug 35700)
- 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)
- Search results can be downloaded as a .csv file. When you save the results of an accounts search, the .csv file includes the mail address, the account ID, the display name, account status and COS ID, if the account is not in the default COS. The Download button is on the Search toolbar. (Bug 33978)
- Accounts can be viewed by domain in the administration console. Select a domain and click View Accounts on the toolbar. Note: you can then click Download to save the results to a .csv file. (Bug 28151)
- New account status of **Pending** can be used when new accounts are created and not yet ready to become active. (Bug 28849)
- The Logger service is completely over-hauled for 6.0. See Changes to zmstat and Logger for 6.0, page 41.

- An additional log file `/var/log/zimbra-stats.log` is automatically added via `syslog.conf` and the local logging facility. This is used to aggregate zimbra stats from the purpose of the new zimbra-logger. Data includes all the existing zmstats data plus the previous zimbra-logger data. (Bug 36915)
- There is a new tab in Server Statistics that includes advanced graphing options. Also the stock graphs for **disk/mta/etc** are more dynamic and presented in a cleaner format. (Bug 34938)
- When you generate stat charts from the admin console, you can specify start and end date for the information to be displayed. (Bug 34316)
- The content for **zmdailyreport** has been changed in 6.0. Now `zmdailyreport` uses an open source Postfix log summarization script called `pflogsumm` to generate the daily email reports. The new reports include additional information not previously included with the daily reports. (Bug 38446)
- Anonymous searches of the LDAP directory are no longer enabled beginning with 6.0. Note: anonymous searches of the directory are allowed for upgrades. See the [More About ZCS 6.0 Features](#) section for more information (Bug 15378)
- A new CLI command, **zmprov desc**, prints all attribute names. **(Bug 23920)** See the [More About ZCS 6.0 Features](#) section for more information.
- GAL sync accounts can be created. GAL sync accounts make it possible to do GAL autocomplete, search, sync without connecting to the LDAP server. GAL sync accounts are used as cache. This can be configured from the admin console when GAL is configured for a domain. (Bug 14531)
- COS and Accounts Calendar Preferences has been enhanced to expose additional calendar pref attributes. (Bug 39042)
- When a message is rejected because the attachment type is blocked by global settings, the recipient can receive a notification that the message was blocked. This is set from the administration console, Global Attachment Settings. (Bug 38533)
- OpenLDAP has been completely re-worked
  - `slapd.conf(.in)` no longer exists in ZCS 6.0. All slapd configuration is now in the `cn=config` database, and `zmlocalconfig` must be used to tune it. Customizations are preserved across upgrades, and far more extensive permanent customization/tuning is allowed.

**Important:** *All customizations made to `slapd.conf` in ZCS 5.0.x will not be preserved on upgrade, other than the log level setting. You will need to use the new local config keys to customize your LDAP settings post-upgrade.*

**Note:** If you custom tuned ZCS 5.0.x, you can keep these customizations while upgrading if you follow the upgrade wiki. <[http://wiki.zimbra.com/index.php?title=Optimizing\\_50\\_to\\_60\\_LDAP\\_upgrade](http://wiki.zimbra.com/index.php?title=Optimizing_50_to_60_LDAP_upgrade)>  
All clients with large OpenLDAP databases (greater than 10,000 entries) are advised to do so.

(Bugs 24226, 20056, 20972)

- Beginning with 6.0, the OpenLDAP data directory has been moved from **/opt/zimbra/openldap-data** to **/opt/zimbra/data/ldap/hdb**. If you put ZCS openldap-data on its own mount point (particularly cluster users), when you upgrade to 6.0, your data is migrated from the old to the new location. If you have separate mountpoints for **/opt/zimbra/openldap-data** make sure you do not exceed disk space on /opt/zimbra/. The 6.0 and later layout is as follows:
  - **/opt/zimbra/data/ldap/config** --> Contains the configuration database for LDAP
  - **/opt/zimbra/data/ldap/hdb/db** --> contains the primary DB
  - **/opt/zimbra/data/ldap/hdb/logs** --> contains the logs for the primary DB
  - **/opt/zimbra/data/ldap/accesslog/db** --> contains the accesslog DB on the master
  - **/opt/zimbra/data/ldap/accesslog/logs** --> contains the logs for the accesslog DB on the master

For large deployments, see Performance Tuning Guidelines for Large Deployments 6.0 on the Zimbra wiki.

(Bug 17155)

- Starting in 6.0, any -Xss option specified in mailboxd\_java\_options will be ignored. mailboxd startup will honor mailboxd\_thread\_stack\_size only. CLI tools will not include any Xss settings which defaults to the upper limit. (Bug 35284)

### Zimbra Web Client Features

- Calendar. The attendee can select from a drop down menu to not notify the creator when they accept, decline, or tentatively accept a meeting. (Bug 38179)
- Calendar. A vertical stripe on an appointment indicates that status. Those colors represented as follows: yellow as out-of-office, white as free, orange as tentative, and brown as accepted. (Bug 13184)
- The Preferences tab-view has been moved to the Navigation pane and displays as folders. The Signatures, Accounts, and Filters folders display in the Mail folder. New folders are Sharing, Mobile Devices, and Zimlets. (Bug 35589)

- A new Preferences>Sharing folder lets users see a list of folders shared with them and folders they share with others. (Bug 7473)
- A new Preferences>Zimlets folder lets users manage the Zimlets that the system administrator enabled for their accounts. (Bug 12383)
- Users can run filter rules over existing sets of mail. They select the filters to run against existing mail and click the **Run Filter** button on the toolbar. (Bug 1112)
- Mandatory spell check of email messages can be enabled from the Preferences>Composing folder. (Bug 5460)
- Users can set up their own Junk Mail Options of whitelist and blacklist email addresses that is used to filter incoming messages. This can be done from the Preferences>Mail folder. The default maximum number of whitelist and black list addresses is 100 for each. This value can be changed from zmprov account or COS attributes **zimbraMailWhitelistMaxNumEntries** and **zimbraMailBlacklistMaxNumEntries**. (Bug 6953)
- Calendar - Users can view their calendars in a list view. In the list view, users can:
  - See all the appointments in selected calendars for a two week period
  - Select multiple appointments to act upon at once.
  - Delete or move appointments that are on local calendars. If an appointment is recurring, they delete all appointments in the series.
  - Tag appointments for local calendars(Bug 19338)
- When a user has admin rights on a shared Calendar and an invite is sent, a copy of the meeting invite is forwarded to the admin-user's mailbox. The admin-user can accept/decline the invite from their own Inbox.(Bug 23336)  
Users can set up the email addresses to receive a copy of their invitations from their Preferences>Calendar folder. This is a multi-valued attribute. (Bug 36480)
- Users can now configure whether new appointments are added to their calendar automatically before they reply to the invite or added only when they select Accept or Tentative in the message. The default behavior is to have all appointments display in the calendar unless deleted. This preference is set from the Preferences>Calendar folder in the Automatically add received appointments to calendar field.  
Once users accept a meeting, any updates, including cancellations sent for the same meeting are auto-applied to the users calendar without approval in all options. (Bug 30990 36180)
- Users can configure their Calendar Preferences to automatically decline invites from an organizer who does not have permission to invite the receiving user. This preference is set from the Preferences>Calendar folder, Permissions, Invites section. (Bug 30990 36180)

- When composing an email message, users can flag the message for a return read receipt message. When users compose an email they can select **Request Read Receipt** from **Options** on the toolbar. The administrator enables/disables this feature by COS or Accounts.

**When upgrading to 6.0, this feature is not enabled.** This feature can be enabled from the administration console, COS/Admins Features Tab.

**For new ZCS installs this feature is enabled by default.**

Users can manage whether to send a return receipt when a message is requesting a read receipt, from their Preferences>Mail folder, Read Receipt section. (Bug 7257)

- Search. If you know where to search for an item, you can do a quick search by entering one of the search keywords followed by a colon (tag:) in the search field. The keywords are tag, in, under, is, has, type, attachment. (Bug 37737)
- Added the ability to sort by message size (Bug 10445)
- Composing a message and opening a single message now opens a new tab. Multiple tabs can be open. Users can move between tabs. When they send or cancel a composed message, the compose tab is closed. (Bug 9585)
- Users can select to view their mailbox in a three pane vertical view, with the Navigation pane on the left, the Content pane second and the Reading pane on the right. This view option is enabled from the View link on the toolbar and selecting Reading Pane On The Right. (Bug 14863)
- Logos/images can now be embedded with the HTML signature in ZWC. (Bug 25797)
- Keyboard shortcut list can be printed from the Preferences>Shortcuts folder. Clicking Ctrl+q displays the Zimbra keyboard Shortcuts list. The Shortcut tabs to create your own shortcuts have been removed. Now you can enter a shortcut directly on a page and a dialog displays the options. For instance, type "T" on the Content pane opens a Pick a tab dialog where you can either pick the tag or create a new tag. (Bug 12194)
- In the **Forward a copy to** Mail Preference field, users can specify more than one address to use. They enter a comma to separate the email addresses. The admin can set a limit to the number of forwarding addresses allowed (Bug 11299)
- Auto-complete is available from shared address books. (Bug 11141)
- The layout and fields in the Address Book contact form has been improved and the tabs have been removed. (Bug 38907, 12460)
- Standard Client major enhancements
  - Reading Pane (Bug 31759)
  - Calendar has fish eye view (Bug 33499)

- Briefcase and Documents support (31123, 31473)
- HTML signatures are now supported in the standard ZWC. (Bug 28314)
- The GAL can now be searched from the Standard Client. (Bug 27615)
- When creating a meeting, the resources are now displayed on the Add Attendees page. (Bug 37952)
- Various Task enhancements
  - Up and down arrows can be used while navigating to/from new task boxes and task lists (Bug 19080)
  - The entire task list can be printed (Bug 16456)
  - Users can select multiple tasks and print them. (Bug 31262)
  - Users can print a task that is open for edit. Users can also print an appointment in Calendar that is open for edit and a contact in Address book open for edit. (Bug 25904)
  - You can now select to view tasks by status (Not started, Completed, In progress, Waiting on someone else, and Deferred) Bug 16005
  - You can sync tasks from an iCal remote service. When you create a new task, check Synchronize tasks from the remote service and add the URL. (Bug 17907)
- Improvements were made to printed messages, address book and calendars to make them easier to read. (Bugs 32996)
- When printing messages, a **Font size** link displays on the page to be printed. You can increase or decrease the size of the text before you print. (Bug 17228)
- Zimbra Mobile. Tasks now sync for ZimbraMobile (Bug 11685)
- Zimbra Mobile. Mobile security policies that enforce security rules on compliant mobile devices that sync with ZCS accounts can be defined. (Bug 30146)
  - Users can initiate a remote wipe from their Preferences>Mobile Device folder to erase all data from their mobile device. (Bug 18424)
  - Password Policy rules can be pushed to mobile devices and device can be automatically lock when passwords are incorrectly entered. (Bug 35653)
  - A new Preferences>Mobile Devices folder lets users manage their mobile devices. Mobile devices synced to ZWC are listed and users can suspend Sync, resume Sync, wipe the device and cancel the wipe from this page. (Bug 35923)
- Zimbra Mobile. GAL search was added to the Zimbra Mobile client. (Bug 16532)

- ZCO. Users can configure to download only the message header information. This makes for faster syncing with the ZCS server and saves storage space on the user's computer. To read a message, users right click the message header and select **Mark to Download Message**. Messages marked for download are downloaded on the next sync. Users can also click **Send/Receive** to download the message. (Bug 11962)
- ZCO. Personas are synced to Outlook accounts. In Outlook users can switch between personas. (Bug 27302)
- ZCO. Three issues have been fixed that enable message edits to be reflected on the server:
  - You can now edit the subject and body of messages in ZCO and those changes are reflected on the server (7164)
  - You can now delete attachments in ZCO and that will be reflected on the server (10068)
  - You can now change the To or Cc of a draft message in ZCO and that will be reflected on the server (34680)
- ZCO. The administrator can configure the ZCO msi file to change the password usage default to require users to enter their passwords before retrieving mail or log in. (Bug 13959)
- ZCO. Users are notified of new accounts that are shared with them via a Shared link button at the bottom the Outlook screen. They can mount and unmount the shared folders from this link. (Bug 30465)
- ZCO. ZCO version 5.0.x allowed use of the zip formatter for performance improvements when downloading messages. This was enabled by the registry key HKEY\_CURRENT\_USER\Software\ZIMBRA\ZipLevel. The zip formatter is no longer supported in 6.0, and its use has been disabled. If you are running a 5.0.x ZCO against ZCS 6.0, you must delete this registry key. (Bug 39768)
- ZCO. In 6.0, the registry key HKLM\SOFTWARE\Zimbra\EnableLocalRules must be set for local Outlook rules to work. Set this registry key to a number greater than 0 to allow local Outlook rules to run. (Bug 40456)

## Enhancements for 6.0.8

- Delegated administration includes the following rights/views
  - **Server statistics.** Combo right **adminConsoleServerStatisticRights**; admin view **perServerStatisticsView**
  - **Search mailbox.** Combo right **adminConsoleCrossMailboxSearchRights**; admin view **crossMailboxSearchView**
  - **Install SSL certificates.** Right **adminConsoleCertificateRights**; no admin view

Software updates cannot be delegated at this time.  
(Bug 47030)

- Outlook's "Propose New Time" functionality works in ZCO. When using Outlook 2007 or 2010, the Propose New Time feature is enabled, and when a reply to a Calendar invite proposes a new time, the proposed new time is sent to the originator and the requested time displays in the message header. (Bug 6523. 49387, UI change 48771).
- Additional mobile devices are now supported by ZCS. See the Zimbra wiki article, [Mobile Device Setup](http://wiki.zimbra.com/wiki/Mobile_Device_Setup), [http://wiki.zimbra.com/wiki/Mobile\\_Device\\_Setup](http://wiki.zimbra.com/wiki/Mobile_Device_Setup).

## Previous Enhancements for 6.0.

### New Features for 6.0.7

- ZCO. New email addresses can be added to the Address Book Contacts list when a message is sent from ZCO. For this to work, the Address Book preference **Add new contacts to "Emailed Contacts"** must be enabled on the Zimbra Web Client. (Bug 10770) **Note:** This fix no longer works because of Bug 47890 in 6.0.8.
- ZCO end user documentation is now available from Outlook. Click the link called "Click here for ZCO documentation." (Bug 11990)
- When creating an appointment in Calendar, the begin and end times are now selected from a drop-down menu. (Bug 20344)
- Drag and Drop files to compose tab for email messages is supported in versions of Firefox 3.6 or later, Chrome, and Safari 4 browsers, without the need for extensions/addons. When using Firefox 3.6 + browser, you can drag and drop files to your Briefcase folders, as well. If you are using Firefox 3.5 or earlier, you need the plug-in available from the Zimbra Gallery, <http://gallery.zimbra.com/type/extra/zimbra-drag-and-drop-firefox-xpi>  
*Known issues:* DND does not work with Internet Explorer. DND does not work when composing in a new window. (Bug 27153)
- The drag and drop Zimlet is now enabled as a core zimlet. (Bug 46325)
- The **Radio** field in the Outlook Contacts list now syncs with ZWC address book. The Radio field is added as a new field in the **Other** section of the contacts form.

The image shows a screenshot of a form field labeled "Other:". To the left of the label is a text input box containing the phone number "408-555-1212". To the right of the text box is a dropdown menu with "Radio" selected. A small green plus icon is located to the right of the dropdown menu.

(Bug 27905)

- Calendaring and scheduling .ics files received with an email message can now be added to one of your Calendars directly from the mail message. An **Add to Calendar** link displays when this type of file is received. (Bug 27959)

- The CLI **zmcontrol restart** has been added. (Bug 33374)
- When uploading a file that is too large, an error displays, “**Unable to upload attachment. Attachment size is too big.**” This error displays in Firefox 3.6+, Safari 4+, and Chrome 5.x. (Bug 36776)
- Additional data outputs for CLI **zmdiaglog**. For Linux: **ps auxww** and **netstat -anp**. For Max OSx: **psauxww** and **netstat-an**. (Bug 42747)
- “Show Original” is available for Tasks and Calendar items. (Bug 44185)
- Added a new API, **ModifyMailboxMetadata** to complement SetMailboxMetadata. (Bug 44289)
- New user preference, **Don’t show contact group if one of its members matches** can be enabled. When autocomplete is used to enter user addresses, the contact groups that the user might be part of do not display in the auto-complete list. (Bug 44509)
- A new COS attribute, **zimbraPrefCalendarApptAllowAttendeeEdit**, can be set to FALSE to disable the ability for attendee to edit an appointment sent to them. The default is TRUE. Attendees can edit appointments in their Calendars. Now, when an attendee tries to edit an appointment, a warning displays reminding the attendee that the edits are only made to their appointments. If the organizer makes changes to the appointment, these changes overwrite the attendee’s edits. (Bug 44885)
- Migration Wizard for Exchange enhancements.
  - One step migration. The migration tool now provides an option to browse for a migration XML file and then migrate as per the options in the selected XML file. (Bug 45307)
  - When running the migration wizard, a zimbra migration account and the MAPI profile are automatically created in AD. Once the migration is completed, the account and profile are deleted. (Bug 45012)
- A new shortcut key, Shift ! (exclamation), display appointments that are overdue or will start in 1 hour or less from the current time. (Bug 45208)
- ZCO. Folders can now be shared with internal users when using the External GAL with ZCO. (Bug 45381)
- ZCO. Outlook 2010 32 bit only is supported. (Bug 41037)
- The maximum attachment size allowed is now displayed in the Attach dialog and Upload dialog. (Bug 45520)
- New IMAP attribute to set the maximum allowed size of an IMAP request. Attribute name is **zimbralmapMaxRequestSize**. Previously this was a localconfig property. The default is 10240. (Bug 45891)
- Added **-a/allServer** option for **zmprov/FlushCache**. If specified, FlushCache sends the same request to all servers running the mailbox services after it is executed on the local server. (Bug 46404)

- Users can now search for messages in their Sent folder by recipient name. In the Sent folder, select the recipient name and then click on the **To** column header. A **Select an Address** dialog opens. Select the name and click **OK**. (Bug 46794)
- A global config attribute, **zimbraAuthTokenValidityValueEnabled** has been added. The default is TRUE. If this attribute is set to FALSE, auth token validity checking is disabled. (Bug 46966)

### New Features for 6.0.6

- Zimbra Web Client. When inviting people to a meeting, the originator can specify whether the invitee's attendance is required or optional. This is set in the New Appointment Schedule tab. (Bug 10192)
- (Beta in 6.0.6) The ZCS administration console can now be used from Apple Safari and Google Chrome browsers. (Bug 10573)
- Migration Wizard for Domino user mapping now supports changing the user's email address when migrating to ZCS. (Bug 16106)
- Zimbra Web Client. Users can now add .ics attachments to their calendar directly from the email message. An **Add to Calendar** link displays in the message header when an .ics file is received. (Bug 27959, 17768)
- Feature added to Migration tools to support migration using XML configuration. (Bugs 42143 42774)
- ZWC Calendar. It is now possible to set up Calendar Invite filter rules that filter either invites or replies. (Bug 42856).
- ZCO has been enhanced to be able to adjust ZCO settings from the Advanced Settings button on the UI. (Bug 43921)
- We now provide CardDAV support for Apple Address Book in Mac OS X 10.6.3. To setup go to the Apple Address Book Preferences folder, Account tab and select the option for CardDAV. Enter your server address. (`http` or `https://<servername.com>:<port number>`) (Bug 22008)

#### Known Issues with CardDav

- The Address Book app recognizes only one ZWC address book folder. The address book that is to be used with CardDAV must be the first folder in ZWC Address Book list. The ZCS server sends the CardDav client all the folders in lexicographically ascending order. The Address Book app picks up the first address book that it finds. The default ZWC address book is "Contacts", but if a user has other address book folders that precedes "Contacts", that one will be picked up by the Address Book application.
- The Address Book app has an icon to indicate that it may be able to issue a server-side search on the contact. But this does not work.
- Additional mobile devices are now supported by ZCS. See the Zimbra wiki article, [Mobile Device Setup](http://wiki.zimbra.com/wiki/Mobile_Device_Setup), [http://wiki.zimbra.com/wiki/Mobile\\_Device\\_Setup](http://wiki.zimbra.com/wiki/Mobile_Device_Setup)

## New Features for 6.0.5

- When users right-click on a word that is marked as misspelled, they can click **ADD** to add that spelling of the word to their spell-check dictionary. Bug 4495
- The first day of the week for Calendar can now be set in the COS or account Preferences tab from the administration console. Bug 14358
- Items in ZCS Briefcase can now be sorted alphabetically, by date, or size. Bug 25220
- The sa-update tool is now provided and can be run to update spamassassin rules within the ZCS deployment. Bug 27844
- ZCS supports Firefox 3.6. Bug 44181
- ZCO. Default values for ZCO connections time outs have been changed from 1 minute to 15 minutes. These values exist in the registry under HKEY\_LOCAL\_MACHINE/SOFTWARE/ Zimbra/Connection. They are ConnectTimeout, SendTimeout, ReceiveTimeout, and OptionReceiveTimeout. These values take effect on new installs, but not on upgrades. Bug 43536
- Improved reply/forward prefixing for HTML messages. When prefixing headers and content in HTML, one continuous blue bar is displayed on the left if the user has "Include original message with the prefix below" selected and the | prefix checked. Bug 41363

## New Features for 6.0.4

- System wide mandatory signatures can be created. The following attributes have been added to control system wide mandatory signatures:
  - **zimbraDomainMandatoryMailSignatureEnabled (TRUE/FALSE)**
  - **zimbraDomainMandatoryMailSignatureText (text/plain)**
  - **zimbraDomainMandatoryMailSignatureHTML (text/html)**

These attributes can also be set on the domain level but there is currently no code that reads the domain level attributes. These attributes are currently only available via the zmprov CLI utility. Admin console access will be added on the global and domain level when the domain level capability is added.

To create a system wide mandatory signature, enter the following:

```
zmprov mcf zimbraDomainMandatoryMailSignatureEnabled TRUE
zmprov mcf zimbraDomainMandatoryMailSignatureText <some text>
zmprov mcf zimbraDomainMandatoryMailSignatureHTML
"<html><body>some html text</body></html>"
```

Restart amavis to apply the configuration and write out the global signature files used by altermime. Type:

```
/opt/zimbra/bin/zmamavisdctl restart
```

(Bug 4720)

- Calendar. Resources and locations are checked for conflicts and now a dialog displays all conflicting instances. The user can cancel certain instances while creating or editing an appointment. (Bug 32675)
- In ZWC users can now shift-click on the Select All checkbox to select all messages in their search results. Users can move, tag, and delete the entire selection. Previously, they could only do these operations on one screen full at a time. (Bug 10317)
- Calendar reminders for an event can now be set in days or weeks. (Bug 15146)
- ZCO. Forwarding an appointment from an internal user to another internal user now works. (Bug 23238)
- ZCO. Users that sync only message headers to Outlook can now double-click a message header to download and open the message with attachments. Note: If the message with attachments cannot be opened within 5 seconds (because it is too large), users can still mark the message header to download the message next time Outlook syncs with ZCS. (Bug 38520)

### New Features for 6.0.3

No new features were introduced in 6.0.3

### New Features for 6.0.2

- Administrators can now check to see if a new ZCS update is available directly from the administration console. In the Tools section of the Navigation pane click **Software Updates**. You can also set up to receive an email about critical updates. **Note:** During the upgrade, you are asked to enable the version update check feature. (Bug 14952)
- Xen version 3.2 is now supported with ZCS 64 bit distribution (Bug 35533)
- ZWC users can now forward an appointment from their Calendars. They right-click on the appointment to forward and select Forward. If it is a recurring appointment, they can select to forward an instance or the series. (Bug 3907)
- ZWC users can now scroll through all their messages instead of paging. The left and right arrows on the toolbar have been replaced with the number of visible messages. (Bug 14101)
- Added support for “repair-mode” in the zmblobchk tool. Now, items that have missing blobs are deleted; a list of paths to blobs that do not have metadata in the database is generated, and deleted items are exported to MySQL dump files.(Bug 27958)

- Custom fields can be created in the ZWC Address Book contact form **Other:** field. Two custom fields are listed, Birthday and Anniversary. Users define the custom field in the box on the right and add the details in the field on the left. (Bug 10056)



- ZWC users can remove attachments sent in an email message by clicking **Remove** on the attachment bar. Users can manage their quota by removing attachments as the attachment is deleted from the server. (Bug 233)
- ZCO. The Zimbra profile name can now be customized. (Bug 17810)
- To make the license effective on the other mailbox servers in your environment, on each mailbox server type:

```
zmprov fc config
```

(Bug 40111)

- ZWC Calendar. It is now possible to set up filter rules that act on Calendar-related messages. (Bug 19898).

**Note:** ZCS 5.0 filters that used the **Body** test to match calendar invites will no longer work in ZCS 6.0. (See bug 18104) These filter rules will need to be updated to use the *Calendar Invite* condition.

- The **Body** mail filter condition no longer searches attachments. (Bug 18104)

## Beta-quality features included with ZCS 6.0

These features included with ZCS 6.0 are considered beta quality and have known issues.

- **Zimbra to Zimbra Migration.** The migration tool, **zmtozmig**, 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 servers 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, **ztzolog\*.log**, is created for the complete process and separate log files are created for each account migration as well.

<b>SourceZCSServer</b>	Source server IP or name
<b>SourceAdminUser</b>	Source server admin user name
<b>SourceAdminPwd</b>	Source server admin password
<b>SourceAdminPort</b>	Source ZCS server admin port - 7071
<b>TargetZCSServer</b>	Destination server IP or name
<b>TargetAdminUser</b>	Destination server admin user name
<b>TargetAdminPwd</b>	Destination server admin password
<b>TargetAdminPort</b>	Destination ZCS server admin port-7071
<b>Threads</b>	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.
<b>WorkingDirectory=/opt/zimbra/data/zmztozmig/work</b>	The directory path where the tar'd account is downloaded.
<b>FailedDirectory=/opt/zimbra/data/zmztozmig/failed</b>	The directory path where tar'd account files are moved, if the account migration fails for any reason.
<b>SuccessDirectory=/opt/zimbra/data/zmztozmig/successes</b>	The directory where tar'd account files are moved after successful migration, if the <b>KeepSuccessFiles</b> parameter is set to <b>TRUE</b> .
<b>LogDirectory=/opt/zimbra/data/zmztozmig/logs</b>	The directory where log files are saved.

<b>KeepSuccessFiles=FALSE</b>	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.
<b>DomainMap=example.com domain.tld</b>	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.
<b>Accounts=test@example.com,test2@example.com</b>	Comma separated list of accounts to be migrated.
<b>ZimbraMailTransport</b>	This is optional. Include this entry if you want to change the ZimbraMailTransport to some other MTA.

usage: `zmztozmig - [options]`

---

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

- **Briefcase** Spreadsheet and Presentation functions are beta for 6.0.x.
- **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.
- The ZCS administration console can now be opened from either the Apple Safari and Google Chrome browsers. (Beginning ZCS 6.0.6) (Bug 10573)

## Major Fixes in 6.0.8 Release

### Fixes for 6.0.8 P1

- Bug 49624. Appointments with a long description from an invite email message do not display
- Bug 50191. Error HTTP 500 for shared notebooks when not shared in English
- Bug 49412. Issues with attempting to remove a grant for “all”

### 6.0.8 GA

To see a list of all the changes for this release, see the [Zimbra Product Portal](http://pm.zimbra.com/pm_release.php?rel=6.0), ([http://pm.zimbra.com/pm\\_release.php?rel=6.0](http://pm.zimbra.com/pm_release.php?rel=6.0)).

20620	Email messages marked as deleted by IMAP clients are no longer included in item counts in ZWC. Complete counts (including deleted items) are included in different attributes when they are different from non-deleted counts.
24463	Memcached is now purged after a mailbox move or when an account is renamed.
34564	Corrected issue that prevented pages in shared Document folder from displaying in the list view
34772	Added a <b>From</b> selector field to the Calendar new appointment view. Users can choose the identity to use when they create appointments. (UI change).
39380	Documents, presentations and spreadsheets now can be previewed correctly. (UI change)
41683	New self-signed certificates are not deployed when commercial certificates have expired if the commercial certs are verified
41900	Negative domain cache is now skipped when doing provisioning operations.
42181	Attachments that are mis-tagged as TNEF now display/download correctly
42947	Nokia devices with Mail for Exchange that utilize an Outbox can now send messages via Zimbra mobile sync.
44191	When upgrading ZCS from 5.0.x to 6.0.8 or later, accounts are not reindexed during the upgrade.

44352	<p>For new ZCS installations the word “blog” has been added to <b>defaultCOSValue</b>, so that “blog” is no longer tagged as a misspelled word.</p> <p>For existing installations, the administrator can update <b>zimbraPrefSpellIgnoreWord</b> using <b>zmprov</b> to add the word “blog” or other words. The administrator can add additional words to be ignored at the COS and Domain level.</p>
45849	Public calendar appointments now display the correct day of the appointment
45189	UI change in Standard ZWC. Shared folders can now be searched in the standard ZWC (HTML)
46626	Domain administrators can now view and delete aliases for an account
46883	<p>The user’s ranking table has been restored. Autocomplete now ranks mailed-to contacts above non mailed-to contacts. When users view an autocomplete list, the most frequently recalled contact is listed at the top. If the contact name that appears should not be listed at the top, the user can click “Forget” and the ranking table re-ranks the contact. (API change, UI change)</p>
47400	Invites that are accepted or declined from ZWC now sync properly with the iPhone Calendar.
47599	<p>Setting the password on a LDAP replica has been fixed, a new option (-c) was added to <b>zmldappasswd</b>. This option must be used with -l.</p> <p>Running <b>zmldappasswd -c -l &lt;password&gt;</b> updates the LDAP replica password in the config database for the replica. To change the replication password:</p> <ol style="list-style-type: none"> <li>1. Run <b>zmldappasswd -l &lt;password&gt;</b> on the master</li> <li>2. Run <b>zmldappasswd -c -l &lt;password&gt;</b> on each replica</li> </ol>
47370	Daylight saving time issue for Chile is fixed
47890	API change. When sending mails from ZCO and the Standard ZWC HTML client, new contacts are not added to Email Contacts.
48146	Contacts are populating correctly in select address dialog (from both Contacts and GAL lists)
48149	Email messages in shared folders can be printed by the Grantee.

48819	Shared calendars can now be opened in a separate window.
50101	Updated the directions original described in 6.0.6 (bug 44528). <code>zmprov -l mcf</code> <code>zimbraMailUseDirectBuffers</code> should be set to <b>FALSE</b>

## Major Fixes in Previous 6.0 Releases

### Major Fixes in ZCS 6.0.7

48129	Fixed the issue which prevented the mailbox server to start with an IMAP binding error when the POP3 bind address is set.
48095	When the GAL feature is disabled, mobile sync users can no longer view contacts in the GAL
44824	Added a config option that lets admins disallow appointments that double book resources by setting <b>zimbraCalendarResourceDoubleBookingAllowed</b> to TRUE.
45548	Non-ASCII passwords have been encoded wrong when we store it in LDAP. We now fixed the encoding problem and store passwords correctly. With this fix, users with non-ASCII passwords cannot login anymore after upgrading to 6.0.7. See "Before Upgrading to 6.0.7 - Some Password Updates Required" on page 48.
45972	Updated zmssoap authentication code to properly handle mobile and offline service requests. The behavior of the <code>-v</code> and <code>-vv</code> options have changed. <code>-v, --verbose</code> - Print the request. <code>-vv, --veryverbose</code> - Print URLs and all requests and responses with envelopes.
46209	Persona settings are now used when accepting/declining an appointment request
46797	A contact with an email address only and empty name fields now sync's correctly to a mobile device with the email address as the name.
9697	When an item is deleted from Briefcase, the item is moved to the Trash folder.

14306	During initial import or subsequent refresh of subscribed calendars, appointments that are already in a non-feed calendar are excluded.
15658	The Amazon zimlet now works.
37098	The following URI schemes were added: ftp, gopher, news, tel, callto, webcal, and feed.
40731	SMTP behavior now switches based on the value of <b>zimbraSmtpRestrictEnvelopeFrom</b> . When this attribute is set to TRUE, <b>MAIL FROM</b> in the SMTP session will be the address of the account. When it is set to FALSE, <b>MAIL FROM</b> is set to either the Sender or From header value in the outgoing message, in that order.
40944	Reply-to header now uses the correct message ID
41145	Support for HTC Work Email Android application for Active Sync
41512	Autocomplete now works across hyphens (-)
41831	Issues that caused deleted_account deadlock on concurrent delete operations have been fixed.
42496	Messages saved to the Draft folder can now be sent. Fixed the issue that caused the permission denied error.
43017	Delete Mobile Device now works. Delete has been renamed to "Remove from List", Wipe Device renamed to "Wipe All Data From Device"
43102	Fixed issue that caused messages with strange characters to cause an incorrect string value for the MySQL metadata column.
43179	A new user preferences can be set from the Address Book preferences, <b>Do not end auto-complete on a comma</b> . When this is enabled, auto complete will not recognize the comma to make a quick completion of the name.
43509	Added full commercial CA trust chain to ca certs.
43740	<b>zimbraDataSourcePollingInterval</b> is <b>undefined</b> (never poll). Beginning with 6.0.7, the client will not create any <b>zimbraDataSourcePollingInterval</b> settings. The settings will be inherited from the COS. Any existing accounts <b>zimbraDataSourcePollingInterval</b> settings are not changed.
43791	Deleted CA hash symbolic links when deploying the CA
44353	Recurring meetings are no longer deleted from an iPhone when an instance of the meeting is cancelled.
44367	URL for composing appointments now works.

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44532	IMAP/POP read and timeout values can now be set by datasource. The attributes are <b>zimbraDataSourceConnectTimeout</b> and <b>zimbraDataSourceReadTimeout</b>
45010	The correct permissions on the stats folders rotate function are now set
44828	The drag and drop Zimlet now works with Firefox 3.6
45039	When you open a message into a tab and delete the message, the list view now displays the correct following message.
45059	Delegated Admin. Added support for domain/global targets and domain grantee for user rights.
45341	zimbraMailhost is now readable for domain admins.
45505	When using external AD deployments, you can configure the appointments page to remove the Find Locations and Resources tabs. When the COS/account attribute, <b>zimbraCalendarShowResourceTabs</b> is set to FALSE, these tabs do not display.
45607	Clamav may fail to detect virus in some binaries extracted from zip archives. This fix will keep the zip archive and scan it along with the extracted files.
45677	Resolved issues that caused concurrent read of a large number of messages from third party clients to lead to high CPU utilization
45754	Fixed handling of parameters on mailto: links.
45851	For forwarded messages, updated the mail filtering code so that it doesn't modify the From header on the redirected message.
45852	Fixed issues that caused some attached messages to not open.
45854	Added new attribute to specify shutdown grace period for IMAP/POP3/LMTP. <b>zimbraImap/Pop3/LmtpShutdownGraceSeconds</b>
45458	If startTLS functionality for the LDAP servers is disabled, ZCS honors that for the replication servers as well.
46676	Improved how messages found in a search are highlighted.

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46728	ZCO. Fixed issues that caused ZCO 6.0.6 and Outlook 2007 to crash when Outlook was closed.
46850	<p>Message Cache Behavior Changes from 5.0 to 6.0.7</p> <p>In ZCS 5.0, the message cache stored not just the message structure, but also the content of messages less than 1MB. Messages larger than 1MB were streamed from disk and were estimated to take up 4k of space in the cache. <code>zimbraMessageCacheSize</code> was specified in bytes, as opposed to the number of messages. There was no uncompressed file cache in 5.0, so compressed blob content was read completely into memory, regardless of the file size.</p> <p>In ZCS 6.0 through 6.0.6, the uncompressed file cache had its own limits:  <b><code>zimbraMailUncompressedCacheMaxFiles</code></b> and  <b><code>zimbraMailUncompressedCacheMaxBytes</code></b>.</p> <p>These attributes are no longer used as of ZCS 6.0.7. The uncompressed cache is now managed by the file descriptor cache.</p> <p>See wiki article, <a href="http://wiki.zimbra.com/wiki/Message_Cache">Message Cache</a>, <a href="http://wiki.zimbra.com/wiki/Message_Cache">http://wiki.zimbra.com/wiki/Message_Cache</a></p> <p><b>Note:</b> <i>After an upgrade, these value are not deleted from LDAP, but they are no longer used.</i></p>

### Major Fixes in ZCS 6.0.6

425	In Zimbra Web Client, text wraps continuously in a message.
22665	Contacts now are sorted correctly in Latin character sets.
23876	The message status is now updated from unread to read when anyone with write access replies to a message in a shared mailbox
28675	The sizes of attachments stored inside the winmail.dat files sent by Outlook are now properly displayed.
40081	<p>This bug is no longer valid at 6.0.8. See Bug 46883</p> <p>Contact lists and GAL contacts are now the only source for autocomplete address results.</p> <p>A side effect is that addresses that were only in the user's ranking table are no longer displayed during autocomplete.</p> <p>Note: The ranking table stores recipients that the user has sent messages to, even when the "auto-add to emailed contacts" feature is disabled.</p>

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40633	When syncing Nokia mobile phones with ZCS, outgoing emails are now sent with the domain name as the sender name instead of "Mail for Exchange". .
41201	Fixed an issue where non-English users could not view mail if someone else had shared their entire account with them
41488	Fixed issue that caused RSS feeds to duplicate entries
41863	The HTTP routing cache can now be purged using <code>zmproxypurge</code> . The <code>-l</code> option in the <code>zmproxypurge</code> CLI prints a new line with HTTP route information in addition to the previous POP and IMAP information.
42063	Calendar Week Numbers in a year now display correctly in all locales.
42277	ZCO. Resolved issues that would not let users sync their BB devices using desktop sync software.
42770	Corrected the issue where special characters in a display name did not display properly.
42010	Copy and paste now works when composing a message when using the Internet Explorer browser.
42877	<p>GAL account information that is available has been expanded to include mobile, pager, work fax, and home phone numbers as defined attributes for LDAP if they are included in the account information.</p> <p>You can now enter this information to accounts from the administration console.</p>
43428	<p>To work better with Outlook, the following change was made to how accept/decline replies for shared Calendars are sent back::</p> <p>Now all accept/decline replies will be sent to the Organizer's address, not to the Grantee who sent the invite on the Organizer's behalf. The Organizer's account will automatically send a copy to the "sent-by-user" Grantee address.</p> <p>Replies to a meeting created by the Organizer will not be copied to the Grantee's mailbox. The Grantee will have to view the Organizer's mailbox to see replies.</p>
43765	Users have more flexibility in setting preferences for replying to and forwarding messages. The Preferences>Composing page now includes check boxes to enable whether headers and/or prefixes display when replying to or forwarding a message.
43929	Removed <b>mov</b> , <b>rm</b> , <b>wav</b> , and <b>wmf</b> from blocked extension list.

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45311	Stats service fails to start issue resolved. Customers may need to change the ownership of directories in <b>/opt/zimbra/zmstat</b> so they are owned by zimbra:zimbra instead or root before zmstats will start again.
44528	<p>Updated ZCS with the latest OpenLDAP to fix issues with replicas failing to sync with the master LDAP after an upgrade.</p> <p><b>IMPORTANT:</b> If your environment includes LDAP replica servers and you upgrade from ZCS 5.0.22 or earlier, after <b>all</b> of the LDAP servers are upgraded, run this command from any server.</p> <ol style="list-style-type: none"> <li>1. Run <code>zmprov -l mcf zimbraMailUseDirectBuffers FALSE</code></li> <li>2. Restart zimbra. <ul style="list-style-type: none"> <li>• <code>zmcontrol stop</code></li> <li>• <code>zmcontrol start</code></li> </ul> </li> </ol> <p>(See bug 50101 for 6.0.8)</p> <p>Note: This command is run from only 1 server.</p>
44557	Sharing Briefcase folders publicly now works again.
44609	Fixed issue that caused users with shared calendars to get reminders from other users
44649	Added support for POP3 servers that support UIDL to leave messages on server, but do not support CAPA. Examples of these servers are AS/400 and MSN POP3 servers.
45301	The correct daylight savings time now displays when printing the Calendar Week view.
45241/ 45445	To workaround a problem where iCal moves meeting invites without any of your primary/alias email addresses on the attendee list to Trash, such meeting invites will now be marked as Read. One side effect is that such invites, such as one sent to a distribution list that you are on or one forwarded from your external account with your external account as the attendee, will not show up in the notification box in iCal. With iCal4, you can still accept/decline such a meeting by opening it. However, with iCal3, you will have to use a different client, such as ZWC, to accept/decline the meeting.
45886	Address auto-complete now returns full list of users sorted by usage when the initial result set consists of addresses from the local address book only.

45852	Messages or attached messages with an address of someone in your address book now open correctly in a window.
44353	Fixed issues that made iPhones delete recurring meetings from the attendee's calendar when an organizer cancelled an instance
45677	Fixed issues where concurrent read of a large number of messages continuously from third party clients could lead to high CPU utilization.

### Major Fixes in ZCS 6.0.5

23879	ZCO. When an item is shared from Outlook with a user who uses ZCO, the user will receive an email notification of the shared item.
28654	ZCS has been officially tested against SLES 10 SP3
33500	Zimlets can be marked as mandatory, enabled or disabled from COS and account's Zimlet tab. Zimlets marked mandatory cannot be disabled by ZWC users.
34517	Now when users disable a Zimlet from the Zimlet Preferences page and the admin installs other Zimlets, these new Zimlets will be enabled for the user.
35688	Resolved issues that caused server start up time to be excessive.
37217, 38583, 41699, 41732, 41741, 41743, 41744, 41973, 42433, 42468, 42471, 42863, 43625, 43661	Family mailboxes with child accounts now work in ZCS 6.0.x series.
39809	There were places in the code and configuration files where the web app context path (e.g. /zimbra or /zimbraAdmin) was hard-coded. Those were fixed so that they obey the settings zimbraMailURL and zimbraAdminURL.
40731	SMTP MAIL FROM header is now set to the user's preference if it is specified.
41213	Fixed issues that break connection to external POP3/POP3S accounts.
41622	Delegated administration. In the admin UI, if access to some attributes on a tab is granted, but you do not grant access to any of the attributes within one of the sections on this tab, the section header no longer displays.

41837	Now when you want to create a domain administrator role for an account, when you check <b>Administrator</b> , you can also check <b>Assign default domain administrator view and rights</b> . This gives the account all the rights necessary to carry out the domain administrator role.
42461	Palm Pre does not have UI to manage category information on mobile data items. In the case with Contacts, Palm pre encoding of category information received from the server is corrupt. To work around this issue, ZCS now no longer sends any category block to Palm Pre devices.
42692	Allow server side security policy updates by a system admin to be pushed to devices without user intervention.
42877	GAL account information that is available has been expanded to include mobile, pager, work fax, and home phone numbers as defined attributes for LDAP if they are included in the account information.
43032	On the administration console, the COS and Accounts Preferences pages have been updated to include a Standard (HTML) client section for the two items that can be set for the standard client but not for the advanced client. <ul style="list-style-type: none"> <li>• Maximum number of items to display per page</li> <li>• Number of items to display per page</li> </ul>
43263	The requirements for the server name has been removed from the Exchange Wizard mapping .xml file.
43359	Resolved issues when storing large messages and when saving messages to a volume with blob compression enabled.
43591	LDAP backup issues when upgrading to 6.0.x have been resolved. Now the LDAP upgrade is performed before the MySQL upgrade. As a reminder, before upgrading, you should validate that the LDAP backups are working.
43626	Spell check is now fully UTF-8 compliant. Accented characters are correctly spell-checked.
43895	Mail filters cannot be saved if the value in the selected condition is blank (null).
43518	In the Standard ZWC, the session time-out issues have been fixed and users are no longer redirected to the log in page.

## Major Fixes in ZCS 6.0.4

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8708	<p>Existing ZCS features can be used to control access to a calendar resource.</p> <p>To specify users who can reserve resources:</p> <ol style="list-style-type: none"><li>1. Log in to the resource mailbox.</li><li>2. In the Preferences tab, select Calendar.</li><li>3. In the Permissions, Invites section, select <b>Allow only the following internal users to invite me to meetings.</b></li><li>4. In the text box below add the addresses of the users who can reserve this resource.</li></ol> <p>By default everyone is allowed to query the resource's availability.</p> <p>To specify users who can manage the resource, including overriding reservations that have been added, you share the resource's default Calendar and configure the role as Manager. Users delegated as Manager can modify the resources calendar.</p>
27259	<p>Closed as "Works for me". In order to save a message that is sent on behalf of another user in both accounts' Sent folders, make sure that the option to save sent messages is set on both accounts.</p>
31607	<p>ZCO. When messages that are sent with a Read Receipt request are read in Outlook, recipients are asked if they want to send the return receipt.</p>
35459	<p>You can now revoke a Public share when you select the shared item and edit the properties.</p>
38635	<p>ZCO. Free/Busy information is shown for the period set in the Publish Information option. The default period is 2 months.</p>

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39055	<p>Migration Wizard for Exchange. You can now create an xml file that maps the user name to be migrated from Exchange to another user name when migrating to ZCS. When you run the Migration Wizard, on the Source and Destination Mailbox dialog, click the User Map button and select the xml file to continue the migration.</p> <p>The xml format is as follows:</p> <pre> &lt;ImportUsers&gt;   &lt;Server&gt;     &lt;Name&gt;&lt;/Name&gt;   &lt;/Server&gt;   &lt;User&gt;     &lt;ExchangeMail&gt;&lt;/ExchangeMail&gt;     &lt;ZimbraAccount&gt;&lt;/ZimbraAccount&gt;   &lt;/User&gt;   &lt;User&gt;     &lt;ExchangeMail&gt;&lt;/ExchangeMail&gt;     &lt;ZimbraAccount&gt;&lt;/ZimbraAccount&gt;   &lt;/User&gt; &lt;/ImportUsers&gt; </pre>
40614	<p>When reading messages in a conversation view, messages in the conversation display in one tab.</p>
40954	<p>Messages are no longer copied when moved between shared folders.</p>
41000	<p>Resources now display in GAL.</p>
41213	<p>Importing mail from POP3 servers that do not support the UIDL command now works correctly.</p>
41303	<p>When upgrading from 5.0.x to 6.0.4, you can now send emails via TLS. SMTP now displays the TLS option after you upgrade.</p>
41683	<p>New self-signed certs are not deployed over valid commercial certs even if the commercial cert is expired.</p>
41760	<p>Spell check now works correctly.</p>
42135	<p>Now when mobile device wipe is initiated, a confirmation dialog is displayed.</p>

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42278	<p>The old <code>&lt;GetRulesRequest&gt;</code> and <code>&lt;SaveRulesRequest&gt;</code> SOAP APIs have been replaced with <code>&lt;GetFilterRulesRequest&gt;</code> and <code>&lt;ModifyFilterRulesRequest&gt;</code>, which offer improved usability and error checking.</p> <p>Important: Because <code>&lt;GetRulesRequest&gt;</code> and <code>&lt;SaveRulesRequest&gt;</code> are deprecated, developers should switch to the 2 new calls, and new developers should use the new calls, as the old calls will be removed in the next major release of ZCS.</p>
42482	<p>When viewing messages on the Android mobile device, messages are no longer truncated.</p>
42534	<p>The Archived flag was deprecated in ZCS 6.0.2. It was only used by Zimbra Desktop 1.0. However, due to a bug in Zimbra Desktop, the flag was found in some server mailboxes. Those mailboxes become inaccessible after upgrading to 6.0.2. This issue can be addressed by clearing the flag off any items affected.</p> <p>The script <code>clearArchivedFlag.pl</code> can be used to fix any affected mailboxes. It appears that the number of affected mailboxes is small. Therefore it is recommended to run the script only when mailboxes with this issue are found.</p> <p>The issue can be easily detected since an affected mailbox will print the error message "invalid value for flags: 134217728" in mailbox.log.</p> <p>The script can fix either a specified mailbox or all mailboxes on one server. To run the script:</p> <pre>cd /opt/zimbra/libexec/scripts ; perl clearArchivedFlag.pl [options]</pre> <p>where <code>[options]</code> can be either <code>-m &lt;mailbox_id&gt;</code> which checks for fixes in a given mailbox, or <code>-a</code> which checks all mailboxes on this server and fixes any mailboxes affected by this issue.</p>
42748	<p>Fixed errors that made IMAP searches fail if ID is enclosed in <code>&lt;&gt;</code>.</p>
42844, 38378, 42926	<p>Some security issues were addressed in this release.</p>
43071	<p>During upgrades, commercial certs are deployed correctly.</p>
43107	<p>ZCO. Appointments are no longer deleted from the organizer's calendar when they have been auto saved.</p>

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### Major Fixes in ZCS 6.0.3

42570, 42422	These bug fixes are Zimbra's response to CVE-2009-3555, which is an SSL "man in the middle" vulnerability.
41920	Fixed issue that was causing duplicate contacts to display.
42074	Scrolling now works correctly
42127	The body of an email message now displays correctly.
42012, 42477	Two Jetty networking problems were fixed.

## Major Fixes in ZCS 6.0.2

5627	When an email with an attachment is blocked, a BANNED CONTENTS ALERT message is received.
35976	When viewing email in the three-pane view, the content list can be sorted by From, Subject, Size, or Date. Date is the default. Right-click on the Content list header to select.
36224	The Change Password form does not require a fully qualified domain name to be entered.
38340	Beginning with 6.0.2, sharing and invites are no longer controlled by <code>zimbraFeatureGroupCalendarEnabled</code> , which means if Group Calendar is disabled, you can now share Calendars. Now when Group Calendar is disabled, the attendees, scheduling, and resources tabs in Calendar are not displayed. Users can only access the Appointment Details tab to put events on the calendar.
38600	Fixed excessive green toast messages for YM.
39840	Double-clicking a day in Calendar from the zoom view now opens an appointment.
40240	ZCO - When trying to sync an appointment and “can’t find occurrence for this date” error occurs, a local warning instead of a local failure occurs. The warning message goes into the Sync Issues Local Failures folder.
40497	When an attendee opens an appointment to edit, the form has been modified to show the organizer’s name on the form.
40671	ZCO. The Dynamics CRM add-in now works in ZCO. The : in a ZCO category name displays as ~~ on the ZWC.
40835	This fixes a bug where if you had entered information in to the second attribute of a contact form but not in the first, the second entry would not display at all.
40861	zmstats now runs correctly
40868	New COS/Accounts attribute, Import/Export, has been added to the Preferences page. If this feature is not enabled, the Preferences, Import/Export tab is not available.
40884	When a read-receipt is sent, the original message is not attached to the return-receipt report.
41092	Fixed issues that deleted the spaces in a message body when a signature was added to the message.

41119	ZCO. If registry key <b>MaxInitialDCalAge</b> is set, the initial sync to delegate calendars will only sync appointments on or after the number of days indicated by the key.
41144 (41185, 41251, 41257)	Address Book Contact form, the Home/Work email tags were removed. The field for all email addresses is now called Email. Now the contact name can be auto-filled while addressing an email message.
41411	Colors used to represent calendar entries and tags have changed to be slightly brighter than they were before.
41435	Email messages will now be sent even if a spell-check error occurs.
41462	Attachments now can be viewed correctly on mobile devices.
41627	XSS vulnerability in skin param has been fixed.
39707	There is now additional information logged to mailbox.log. It is expected that this will increase log space volume by 33%. This is controlled by the global config item <b>zimbraHttpDebugHandlerEnabled</b>
40648	LDAP upgrade now works correctly when upgrading a large number of accounts
40647	Zimlets now load correctly from the admin console after zimbraMailURL is changed.
40899	Sharing an entire mailbox now works correctly in 6.0.2
41031	Zimbra packed OpenSSL is now used correctly during upgrade and install.

### Major Fixes in ZCS 6.0.1

40440	The Sent items folder is included in the migration from Exchange.
40454	Fixed errors that prevented some users with external mail aggregation enabled from logging into the ZWC
40634	ZCO. In Outlook 2007, if the Local Rules, Clear Categories is detected, a warning message displays asking users to disable this feature. If they do not disable this feature and use ZWC to tag their messages, all tags are deleted when ZCO syncs with the mailbox server.
40737	Backup. zmrestoreldap now creates the correct directory.

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40759	Fixed the issue that made a shared item inaccessible if the folder is shared with a group that uses aliases or if the user had multiple addresses. This could prevent log in.
40771	Monthly events in Calendar on ZWC can be modified from Internet Explorer and from Firefox.
40797	Address Book is now accessible when upgrading to 6.0
40804	The compose window now closes after the email message is sent when keyboard shortcuts are disabled.
40841	Blobs are no longer lost after a crash recovery or when running zmplyredo.
40926	Fixed issues with indexing that caused mailboxd to stop.

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### Major Fixes in ZCS 6.0

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14168	Messages viewed as HTML now display in a readable size font.
15141	Folder names are correctly displayed when folders are exported with REST.
20739	You can set the required SSF of connections to force secured connections via the ldap_common_require_tls localconfig key. The value to provide is the minimum security strength to require for connections. In general, this will be 128, but it depends on the strength of your generated cert/keys. You can view your ldap log level at 256 level to see what current strength incoming connections are using.
24178	Linux users can now access documents in Briefcase as if they are accessing files on a network drive.
26022	Zimbra CLI tools now use /opt/zimbra/data/tmp as the default tmp location. MySQL tmp files are also written to this location.
26161	zimbra-attrs.xml shows which attribute changes require restarts.
27063	We now correctly populate the TO: field when a user clicks on a "mailto://" link on a web page.
27134	Unread message count shows correctly for shared folders.
27765	Calendar. Event times no longer change when users open their Calendars from a different time zone.

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28623	Messages that were tagged as being in the “utf-7” charset but had content that was not correct UTF-7 were causing errors when rendering the message. This has been fixed.
30086	The preferred From address of the creator now displays when a meeting invitation is sent out. If the creator changes the account name to use, they must refresh ZWC to display the new preferred From address correctly.
30981	zmschedulebackup supports -u for uncompressed zip blob storage.
31309	Now when forwarding a message, the envelope ‘Sender’ is the address of the account that is redirecting the message. Previously, in forwarded messages, the Sender was the original ‘From’ header. To change 6.0 to work as previously, you can set <b>zimbraMailRedirectSetEnvelopeSender</b> to <b>False</b> .
31510	New installs of ZCS will limit spam/ham cleanup to the first MTA installed. <b>zmlocalconfig -e zmtrainsa cleanup_host=TRUE</b> can be set to allow additional hosts to run zmtrainsa --cleanup. At least one host should have this set to TRUE.
31633	Support for X-Originating IP with nginx or other fronting proxy
32321	Beginning with 6.0, <b>zmprov</b> usage for <b>gaa</b> now requires <b>-l</b> in the command so that account information is retrieved via LDAP. <b>IMPORTANT:</b> When upgrading - If you created a script using <b>zmprov gaa</b> to retrieve all accounts, you will need to modify the script to include <b>-l</b> in the command.
<b>32413</b>	innodb_flush_log_at_trx_commit is set to 0 in my.cnf to improve MySQL performance. ZCS crash recovery has been modified to ensure data integrity.
32897	table_cache was increased to 1200 and innodb_open increased to 2710 for new installs. The defaults for these 6 local config items are now hard coded in zmmycnf. <ul style="list-style-type: none"> <li>• <b>mysql_memory_percent</b></li> <li>• <b>mysql_innodb_log_buffer_size</b></li> <li>• <b>mysql_innodb_log_file_size</b></li> <li>• <b>mysql_sort_buffer_size</b></li> <li>• <b>mysql_read_buffer_size</b></li> <li>• <b>mysql_table_cache</b></li> </ul>

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33334	When connecting to Outlook via IMAP, using shared folders in multi-server environments no longer crashes Outlook.
33341	Added security-constraint to service web.xml when in redirect, to force SSL on internal proxied connections.
33365	Mobile. If users only change the reminder time (alert before) for meeting on their mobile device, this change is not propagated to the server. If any other items on the meeting are changed, then all changes are propagated to the server, including the reminder time.
33396	Various time zone enhancement to support easier updating
33628	For ZCS 6.0 upgrades, if you are using additional schema outside what is normally shipped with ZCS, you must follow the instructions in this wiki link. <a href="http://wiki.zimbra.com/index.php?title=Installing_custom_ldap_schema_6.0">http://wiki.zimbra.com/index.php?title=Installing_custom_ldap_schema_6.0</a> For this bug the issue was NIS and Samba schema files, but other users may be impacted as well.
33973	A new option was added the zmprov CLI to force the command to use the value of ldap_master_url when retrieving information. (zmprov -l -m)
34469	For zimbra proxy (nginx), a new server/globalconfig attribute, zimbraReverseProxyConnectTimeout has been created. The default is 120000ms (2 minutes)
35013	If you are using ModifyLDAPEntryRequest SOAP request in any of your own extensions, plugins, or utilities for ZCS, note the change to this request behavior. ModifyLDAPEntryRequest handler has been changed to act consistently with other Modify*** SOAP request handlers. Now when ModifyLDAPEntryRequest SOAP request contains an empty attribute this SOAP request results in unsetting the attribute value.
35079	Sharing a folder with a large number of grantees no longer causes a lock wait during the SyncRequest
35835	The default location of tmp files moved from <b>/tmp/zimbra</b> to <b>/opt/zimbra/data/tmp</b> . Customers with multiple mounts may want to ensure that /opt/zimbra/data/tmp has at least the same amount of free space as /tmp. The majority of ZCS components that require tmp space will consult the localconfig attribute zimbra_tmp_directory.
36020	JDK 1.6 is now used in ZCS

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36169	<p>When users chose to not have appointments automatically added to their calendar, iCal now correctly displays the notification and does not add the appointment to the calendar until it has been accepted/tentative.</p> <p>Important: In order for the appointment to be added to the iCal calendar and not to Tasks, the Calendar folder must be listed above the Task folder. Users can drag and drop folders to move the Calendar to the top.</p>
36466	<p>Drafts are now saved in the Draft folder; not to a 'child' folder</p>
36598	<p>New values have been appended to the mailboxd_java_options attribute in localconfig. These options enable Zimbra to debug issues related to GC activities.</p> <ul style="list-style-type: none"><li>• -verbose:gc</li><li>• -XX:+PrintGCDetails</li><li>• -XX:+PrintGCTimeStamps</li><li>• -XX:+PrintGCApplicationStoppedTime</li></ul>
36713	<p>Fixed issue that caused clicking on any download link to open the admin console.</p>
37015	<p>Documents templates now are loaded correctly for multi-node installs.</p>

37223	<p>Issue: Potential problem using SyncGal with multiple Gal configured.</p> <p>If a domain is configured to use an external GAL, and the external LDAP server stores operational attributes <b>createTimeStamp</b> and <b>modifyTimeStamp</b> in a format other than the standard LDAP generalized time format <b>yyyyMMddHHmmss'Z'</b> (e.g. 20090505202054Z), GAL delta sync will not return any result.</p> <p>We've seen most AD instances store them in the format of <b>yyyyMMddHHmmss.S'Z'</b> (e.g. 20090505202054.OZ).</p> <p>This is now fixed. A new domain level attribute <b>zimbraGalSyncTimestampFormat</b> is added. The default value is <b>yyyyMMddHHmmss'Z'</b>. If the LDAP server for an external GAL stores operational attributes <b>createTimeStamp</b> and <b>modifyTimeStamp</b> in a different format, the format used by the LDAP server should be configured on the domain, using JAVA SimpleDateFormat notation. e.g.</p> <pre> zmprov md test.com zimbraGalSyncTimestampFormat "yyyyMMddHHmmss.S'Z'" </pre>
37507	Contacts load a lot faster
37539	The random connection time-outs for http proxy have been fixed.
37696	Improved tagging and folder keyboard shortcuts.
37750	When upgrading, <b>zimbraBatchedIndexingSize</b> batched indexing is enabled by default with a default of 20
37777	You can now create address books, calendars and tasks when the Mail feature is disabled.
37821	<p>The signature default size has been increased. For new installs the default is 10240.</p> <p>For upgrades, the default is 1024.</p>
37842	<p>In ZCS 6.0, the concurrent mark sweep (CMS) garbage collector is configured as the garbage collection system used by Java virtual machine running the mailbox service.</p> <p>The use of this option also requires a new local config variable <code>mailboxd_java_heap_new_size_percent</code> which is automatically setup by the install and upgrade.</p> <p>For more details on JVM options, refer to the "Performance Tuning Guidelines for Large Deployments" article in the Zimbra Wiki.</p>

37844	In releases prior to ZCS 6.0, the mailbox service was run using the "client" Java virtual machine. In ZCS 6.0, the default virtual machine is the "server" virtual machine. There are no "client" JVMs for 64 bit systems, so this change effectively applies only to 32 bit systems. If there are "client" JVMs in the future for 64-bit platforms, this change in ZCS 6.0 makes sure the "server" JVM is used. The "server" JVM provides better performance for server applications like the ZCS mailbox service.
38425	<b>zimbraPrefMailDefaultCharset</b> is unset by default for upgrades and new installs.
38945	Default sudo configuration (/etc/sudoers) is modified to remove requiretty settings.
39085	The location of the zimlet repository has been moved from <b>\$JETTY/webapps/service/zimlet</b> directory to the <b>/opt/zimbra/zimlets-deployed</b> directory.
22819/ 36225)	When replying to or forwarding messages that are in a shared folder, users can now check a box in the compose window to have the message sent by them instead of as if the owner replied (on-behalf-of)
40575	Calendar summary cache is enabled by default for 6.0

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## More About ZCS 6.0 Features

The following section gives additional information about some of the new features and changes.

### Setting the Create Timestamp After Upgrading to 6.0

The attribute **zimbraCreateTimestamp** is not automatically enabled when you upgrade to 6.0. As ZCS does not use this attribute internally, setting it is optional.

Customers can use the upgrade script shipped with 6.0 to set the **zimbraCreateTimestamp** attribute on existing objects. The upgrade script should be run after the system is backed up and running.

Usage for the upgrade program as zimbra type:

```
zmjava com.zimbra.cs.account.ldap.upgrade.LdapUpgrade -b 22033 [-v] [type]
```

- The type can be: account, alias, calendarresource, config, cos, datasource, distributionlist, domain, identity, server, signature, xmppcomponent, zimlet.
- If type is omitted, all objects are included.

- If -v is specified, it will print out each DN and zimbraCreateTimestamp value that is set.

This attribute can then be viewed when you run `zmprov`.

## Changes to `zmstat` and `Logger` for 6.0

Beginning with 6.0, the architecture of the logger service has changed. Basic changes include:

- ZCS nodes send `zmstat`, `mailboxd` and status information to the logger host using `syslog`.
- Logger host records information from `syslog` using `zmlogger` and records column/data information in SQLite and RRD. (The MySQL database is no longer used.)
- `zmlogprocess` interprets MTA information from `syslog` similar to the old logger service and sends it back to `zmlogger` to process.
- ZCS uses `/opt/zimbra/libexec/zmrrdfetch` to retrieve datapoints that are used to display real-time status and charts in the administration console.
- There is a new tab in Server Statistics that includes advanced graphing options.
- Stock graphs for message count, message volume, disk, etc. are more dynamic.
- An additional log file `/var/log/zimbra-stats.log` is automatically added via `syslog.conf` and the local logging facility. This is used to aggregate Zimbra stats for the purpose of the new `zimbra-logger`. Data includes all the existing `zmstats` data plus the previous `zimbra-logger` data.

Logger statistics collected in version 5.0 and prior will not migrate to 6.0 when upgrading. The pre-existing data will not be deleted, but will not be accessible using any `zimbra` tools. Customers are free to write their own tools to access the data. No migration tools are planned.

Beginning with 6.0, the CLI, `zmmsgtrace` is no longer available and there is no planned replacement.

Also see the Zimbra wiki article, [Logger \(GnR\)](http://wiki.zimbra.com/index.php?title=Logger%28GnR%29) (<http://wiki.zimbra.com/index.php?title=Logger%28GnR%29>).

## Anonymous Searches

For new installations of ZCS 6.0, anonymous searches of the directory are disabled. (Bug 15378) When you upgrade to 6.0, anonymous searches of the directory are enabled, matching previous release behavior.

To disable anonymous search after upgrading, on each LDAP server, as zimbra run `/opt/zimbra/libexec/zmldapanon -d`

To enable anonymous access at any point after it is disabled, on each LDAP server run `/opt/zimbra/libexec/zmldapanon -e`

**Important:** *Enabling anonymous binds is not recommended as it may expose data not intended for anonymous access.*

## Zimbra Proxy Command Changed

The Zimbra Proxy command `zmpoxyinit` is no longer used. Beginning with 6.0, the command is `zmpoxyconfig`.

## Printing Attribute Names with `zmprov`

This tool is run to list all possible attributes for accounts, domains, COS, servers, etc. The attribute description can be listed for all types.

### Syntax

```
usage: describe(desc) [[-v] [-ni] [{entry-type}]] | [-a  
{attribute-name}]
```

```
zmprov [args] [cmd] [cmd-args ...]
```

An attribute name entered instead of the entry-type displays all fields in multiple rows. Valid fields for this output follows.

### Valid fields

When you run a command by `-a` the following is displayed. The table that follows explains the content of the fields.

```

-----
/opt/zimbra/bin>zmprov desc -a zimbraId
zimbraId
  Zimbra Systems Unique ID
    type : id
    value :
    callback :
    immutable : true
    cardinality : single
    requiredIn :
calendarResource,server,account,distributionList,xmppComponent,alias,
domain,cos
    optionalIn :
      flags : accountInfo
    defaults :
      min :
      max :
      id : 1
    since :
    deprecatedSince :

```

type	attribute type Valid entry types include: account, alias, distributionList, cos, globalConfig, domain, server, mimeEntry, zimletEntry, calendarResource, identity, dataSource, pop3DataSource, imapDataSource, rssDataSource, liveDataSource, galDataSource, signature, xmppComponent, aclTarget
value	value for enum or regex attributes
callback	class name of AttributeCallback object to invoke on changes to attribute
immutable	whether this attribute can be modified directly
cardinality	single or multi
requiredIn	comma-separated list containing classes in which this attribute is required
optionalIn	comma-separated list containing classes in which this attribute can appear
flags	attribute flags
defaults	default value on global config or default COS (for new install) and all upgraded COS's
min	min value for integers and durations. defaults to Integer.MIN_VALUE
max	max value for integers and durations, max length for strings/email, defaults to Integer.MAX_VALUE
id	leaf OID of the attribute

since	version since which the attribute had been introduced
depreSince	version since which the attribute had been deprecated
desc	description

### Examples:

```
zmprov desc
```

Print attribute name of all attributes

```
zmprov desc -v
```

Print all fields of all attributes

```
zmprov desc account
```

Print attribute name of all account attributes

```
zmprov desc -ni -v account
```

Print all fields of all non-inherited account attributes, that is, attributes that are on account but not on COS

```
zmprov desc -ni domain
```

Print attribute name of all non-inherited domain attributes, that is, attributes that are on domain but not on global config

```
zmprov desc -a zimbraId
```

Print attribute name, description, and all properties of attribute zimbraId

```
zmprov desc account -a zimbraId
```

This example will produce an error as you can only specify either an entry-type (account) or a specific attribute (-a zimbraID), not both

- 

## ZCS General Information

### Installed ZCS Licenses Deployment Process

When you purchase, renew, or change the Zimbra license, you must update the Zimbra mailbox servers with the new license information. This can be done from either the administration console or using the `zmlicense` CLI command.

- When you update a license, the license is available only on the mailbox server that is updated.
- To make the license effective on the other mailbox servers in your environment, on each mailbox server type:

```
zmprov fc config
```

- Your license information is updated automatically. The cached account license count is automatically refreshed on each mailbox server every one minute. You do not need to restart the server when you update your license.

**Note:** *Currently, when an account is deleted, the license is not updated until ZCS is restarted. (Bug 24009)*

## 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 Connector for Outlook** msi file. Zimbra recommends that users update to the latest version of ZCO that is included in this upgrade. Please see the ZCO known issues. You cannot run ZCO 6.0 with an earlier version of ZCS.
- **Connector for Outlook MSI Customizer** Java Script file can be used to modify the ZCS Connector for Outlook msi file to include server, port, and connection information to the install script.
- **ZCS Connector for Apple iSync** .dmg file. Apple Address Book, iCal, and Microsoft Entourage data can sync with the Zimbra server.
- **ZCS Migration Wizard for Exchange** .exe file. Use the Migration Wizard .exe file to migrate Microsoft<sup>®</sup> 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.

**Note:** *Zimbra Toaster has been moved to SourceForge to be advanced and supported in the Community. The SourceForge project is <http://sourceforge.net/projects/zimbratoaster/>.*

## New Zimbra Packages for 6.0

Beginning with 6.0, additional feature packages are included in the install script.

- **zimbra-memcached.** Beginning in 6.0, memcached is separated from zimbra-proxy. This is automatically selected when the zimbra-proxy is installed. At least one server must run zimbra-memcached when the proxy is in use. All installed zimbra-proxies can use a single memcached server. (Bug 22846)
- **zimbra-convertd.** The default is to install one zimbra-convertd on each zimbra-store server. Only one zimbra-convertd needs to be present in a deployment.

## Upgrade Process

The upgrade path to 6.0.x is ZCS systems at 5.0.2 or later can upgrade directly to 6.0.x.

If you are running a version earlier than 5.0.2, you must first upgrade to 5.0.2 or later before upgrading to ZCS 6.0.

**Important:** *Upgrades from ZCS 5.0.19 or later 5.0.x releases to ZCS 6.0.0 or 6.0.1 will fail. We recommend customers running 5.0.19 or later 5.0.x releases upgrade to 6.0.2 or later 6.0.x releases when they choose to move to the 6.0.x series. (Bug 42609)*

**Note:** *Macintosh servers with OSX 10.4 or OSX 10.5 must be rebooted after upgrading to 6.0.*

### Upgrading ZCS in a Cluster Environment

To upgrade ZCS in a cluster environment, you will need the latest 6.0 release notes and the 5.0. to 6.0.x cluster upgrade instructions.

During the 6.0 upgrade, ZCS migrates the LDAP database to a new structure and location. Previous versions stored data in **/opt/zimbra/openldap-data**. Starting with ZCS 6.0, the LDAP databases are stored in **/opt/zimbra/data/ldap**.

If your cluster environment had /opt/zimbra/openldap-data defined as a separate mount point, you must migrate the new structure from **/opt/zimbra/data/ldap** to that mountpoint and remount the file system in the new location. instructions about how to do this are in the cluster upgrade documents.

For Cluster upgrade instructions go to the [Zimbra.com>Products>Documentation>Additional Documentation](#) page.

## Before you Upgrade

To upgrade from 5.0.2 or later to 6.0.x, download the latest ZCS 6.0.x and run the upgrade.

The following may need to be done before you upgrade.

## Upgrading issue for RHEL5

**Important:** When performing an upgrade on servers running 32 bit RHEL 5, update 2 or earlier 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)

## 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.*

## 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. You can find the list of operating systems on the ZCS download page.

## Verify Certificates Expiration Date

ZCO 6.0.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`

## Move Customized Theme Files Before Upgrade

Custom themes that you have installed are overwritten during the upgrade. You will need to reinstall and deploy them after the upgrade. Before the upgrade you can copy the theme files to another directory outside of /opt/zimbra.

ZCS themes that are customized to your company colors and logo are preserved during the upgrade.

## OpenLDAP Changes for 6.0

All customizations made to slapd.conf in ZCS 5.0.x will not be preserved on upgrade, other than the log level setting. You will need to use the new local config keys to customize your LDAP settings post-upgrade.

**Note:** *If you custom tuned ZCS 5.0.x, you can keep these customizations while upgrading if you follow the upgrade wiki. <[http://wiki.zimbra.com/index.php?title=Optimizing\\_50\\_to\\_60\\_LDAP\\_upgrade](http://wiki.zimbra.com/index.php?title=Optimizing_50_to_60_LDAP_upgrade)> All clients with large OpenLDAP databases (greater than 10,000 entries) are advised to do so.*

## Do not use Domain Disclaimer Extension Admin UI in 6.0

**Important:** *The community-provided "Domain Disclaimer Extension" is not compatible with ZCS 6.0. Do not upgrade to 6.0 if you run the domain disclaimer extension.*

## Before Upgrading to 6.0.7 - Some Password Updates Required

Non-ASCII passwords had been encoded wrong when ZCS stores them in LDAP. The mistakenly encoded password can still be verified successfully if zimbraAuthMech is zimbra, because it encodes the user provided password the same way and then compares it with the encoded one fetched from LDAP.

But, if for any reason you need to bind to the DN in LDAP directly using the password, it will not work because LDAP cannot make sense of the stored password against the provided password.

We now fixed the encoding problem and store passwords correctly (Bug 45548)

**With this fix, users with non-ASCII passwords cannot log in after you upgrade to 6.0.7.**

We suggest using the following procedure to get users to reset their passwords.

1. X days prior to the scheduled upgrade, the administrator should send out an email to all users saying that anyone with non-ASCII passwords will not be able to login after the upgrade. Before the upgrade, those users must change their password to contain only ASCII chars, or they will not be able to login after the upgrade. Users can change their password back to containing non-ascii characters by themselves after the upgrade.
2. Upgrade to 6.0.7
3. Users who are affected, i.e. those with non-ASCII password but did not change their password to ASCII-only according to Step 1, cannot login. Administrators will now need to reset passwords using the site's normal procedure for each reporting user.

## Upgrade Instructions

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

**Important:** Read the release notes before you begin, including the *Known Issues*, page 56 for this release.

### **BACKUP BEFORE YOU BEGIN TO UPGRADE!**

Before you begin the upgrade, run a full backup of the mailbox server. If there are any problems during the upgrade, you can restore to your previous version. After the upgrade, run a full backup immediately. See the Backup and Restore chapter in the Administration Guide.

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

**Important:** Upgrades from ZCS 5.0.19 or later 5.0.x releases to ZCS 6.0.0 or 6.0.1 will fail. We recommend customers running 5.0.19 or later 5.0.x releases upgrade to 6.0.2 or later 6.0.x releases when they choose to move to the 6.0.x series. (Bug 42609)

## Single-Server Upgrade Steps

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 Network Edition 6.0.8 archive tar file is saved (cd /var/tmp). Type the following commands:

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

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

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

The upgrade script begins by checking for an existing installation 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 `zmbdbintegrityreport` to verify that the MySQL database is not corrupt before upgrading to the latest ZCS.

The `zmbdbintegrityreport` can take minutes to an hour to run, depending on your system size and disk bandwidth. It is preferable that you run `zmbdbintegrityreport` at the time of the ZCS upgrade. If you choose to skip this now, the `zmbdbintegrityreport` 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 `zmbdbintegrityreport` does this automatically during its first run and will report the changes. These are normal and should not cause alarm when upgrading.

5. When **Do you wish to upgrade? [Y]** is displayed, press **Enter** to continue. The upgrade packages are unpacked.
6. The packages are listed. The installer also lists packages that are not installed. If you want to install the packages at this time, type **Y**; otherwise press **Enter**. The upgrade checks that there is enough space to perform the upgrade. If there is not enough space, the upgrade stops.
7. When **The system will be modified. Continue? [N]** is displayed, type **Y** and press **Enter**. The Zimbra server is stopped, and the older packages are removed. The upgrade process verifies which version of ZCS is being run and proceeds to upgrade the services, restores the existing configuration files, and restarts the server. If you have a configuration with a large number of accounts created, this can take a while.

8. If you have not set the time zone, you will be asked to set it. This sets the time zone in the default COS. The time zone that should be entered is the time zone that the majority of users in the COS will be located in.
9. If **Enable version update checks** has not been enabled, you will be asked to enable it. When you do, the source and notification email addresses are set to the admin's email address. You can change these addresses during the upgrade or after the upgrade from the administration console. Click **Software Updates** in the **Tools** area to see the Configuration tab.
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. To do this, on each server, as zimbra type **zmcontrol stop**.

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

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

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

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

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

The upgrade script begins by checking for an existing installation.

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

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

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

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

6. The packages you want to install on the server should be marked **Y**. All other packages should be marked **N**.

The upgrade checks that there is enough space to perform the upgrade. If there is not enough space, the upgrade stops.

7. When **The system will be modified. Continue?** is displayed, type **Y** and press **Enter**. The server is stopped and the older packages are removed. The upgrade process verifies which version of ZCS is being run and proceeds to upgrade the services, restores the existing configuration files, and restarts the system. If you have a configuration with a large number of accounts created, this can take a while.

When you upgrade the mail store server, if **Enable version update checks** has not been enabled, you will be asked to enable it. When you do, the source and notification email addresses are set to the admin's email address. You can change these addresses during the upgrade or after the upgrade from the administration console. Click **Software Updates** in the **Tools** area to see the Configuration tab.

**Note:** When upgrading the zimbra mail store, the upgrade checks for the Zimbra license. If the license is found it lists the number of current users and the number of user licenses. If it is not found, press **Enter** to continue. You can add the license later from the administrator's console.

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

## Upgrade Steps on Mac Servers

**Note:** *Mac OS 10.5 is Beta and should not be used in a ZCS production environment. See bug 32613 for known issues.*

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 Network Edition 6.08, 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**.

**Important:** 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 ZCS 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 6.0, the following bullet items may need to be addressed.

- Customizations made to **slapd.conf** in ZCS 5.0.x were not preserved on upgrade to 6.0, other than the log level setting. You will need to use the new local config keys to customize your LDAP settings post-upgrade.
- OpenLDAP data directory moved from **/opt/zimbra/openldap-data** to **/opt/zimbra/data/ldap/hdb**. If you put ZCS openldap-data on its own mount point (particularly cluster users), when you upgrade to 6.0, your data is migrated from the old to the new location. If you have separate mountpoints for **/opt/zimbra/openldap-data** make sure you do not exceed disk space on **/opt/zimbra/**.

- ZCS Backup. After upgrading to ZCS Network Edition 6.0.8, cron jobs will start doing zip-store backups. Previously, if you had not specified zip-related options for your backup, your backup was not zipped.
- 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.
- 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)
- If your environment includes LDAP replica servers and you upgrade from ZCS 5.0.22 or earlier, after **all** of the LDAP servers are upgraded, run this command from any server.:
  - `zmprov -l mcf zimbraMailUseDirectBuffers FALSE`
  - `zmcontrol stop`
  - `zmcontrol start`

**Note:** This command is run from only 1 server.

(Bug 44528/50101)

## Upgrading new 6.0 Features

- If you want users to access the following new or beta features, these features must be enabled after the upgrade.
  - Return Receipt functionality enabled in the COS/Accounts Preferences tab, Receiving mail section.
  - For individual users, to let users that have admin rights to a shared calendar accept/decline an invite for the shared calendar from their own Inbox. See the Major New Features and Enhancements section, Bug 23336.

- Calendar behavior for not showing new appointments on the calendar before the user replies to the invite and Calendar Preferences to automatically decline invites from an organizer who does not have permissions. See the Major New Features and Enhancements section, Bug 30990.
- Instant Messaging (Beta). In the administration console, COS>Features tab, check the Instant Messenger box.
- Administration features for 6.0 that may need to be updated after the upgrade.
  - If you want account's creation date information, enable this feature (bug 22033) See More About ZCS 6.0 Features section.
  - Anonymous searches for the LDAP directory are enabled on upgrades, but disabled for new installs. If you want to disable this feature see [More About ZCS 6.0 Features](#) section. (Bug15378)
  - Configure GAL sync Accounts. See the ZCS Administrator Guide, Managing ZCS Configurations chapter for details. (Bug 14531)

## Remove current version and performing clean ZCS install

If you do not want to upgrade, but prefer to install ZCS Network Edition 6.08 as a new installation, when you run the ZCS Network Edition 6.08 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 cannot 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.

## Known Issues

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

### General Known Issues

Issue #	Summary
	<p>Known third-party browser issues</p> <p>Some browser issues can affect how the Zimbra administration console and Zimbra Web Client work.</p> <p>When you get a browser error, try reloading the browser to continue.</p> <ul style="list-style-type: none"> <li>• If you use the Firefox browser, the cursor position may not be visible in the text boxes, and you have no visual feedback to continue to enter text. Even though you cannot see the cursor, type in the boxes as normal.</li> <li>• If mail is displayed in HTML format, you cannot select the text with the mouse.</li> </ul>
	<p>Several issues with the Chrome browser (search for Chrome in the subject)</p> <p>Several issues with Yahoo contacts CSV import/export (search for "csv")</p>
<b>ZCS 6.0.8</b>	
48849	<p>3rd Party Issue. CalDAV accounts on iPhone 4 does not work as expected. Usability issues were found on the iPhone 4 CalDAV client.</p>
49830	<p>Flash Play does not currently run in some 64-bit browsers, including Windows 7 Internet Explorer (64-bit)</p>
49624	<p><b>Fixed with 6.0.8 Patch 1</b></p> <p>When accepting an appointment with a long description from an invite email message, the description may be removed incorrectly if the mail item has to be reloaded from the database. Work around - Accepting the appointment from the Calendar will not have this problem.</p>
<b>Beginning in 6.0.7</b>	
46959	<p>New Outlook 2010 suggested contacts folder has the same purpose as ZCS emailed contacts. ZCO should map the Outlook contacts folder to the ZCS emailed contacts folder.</p>
<b>Beginning in 6.0.6</b>	

46264	<p><i>Fixed in 6.0.7</i></p> <p>Anyone using <b>ldaps</b> should wait to upgrade as upgrading or installing 6.0.6 will fail.</p> <p><b>WORKAROUND</b></p> <p><b>For Upgrades</b></p> <ol style="list-style-type: none"> <li>1. Before running the upgrade, use <b>zmlocalconfig</b> to set <b>ldap_url</b> and <b>ldap_master_url</b> to use ldap (instead of ldaps)</li> <li>2. Do the upgrade.</li> <li>3. After the upgrade, set <b>ldap_url</b> and <b>ldap_master_url</b> back to ldaps, and make sure <b>ssl_allow_untrusted_certs</b> is <b>0</b> (this is important)</li> </ol> <p><b>For New Installs</b></p> <ol style="list-style-type: none"> <li>1. Do NOT select <b>ldaps</b> during the install.</li> <li>2. After the install, if you still want to use ldaps, make sure <b>ssl_allow_untrusted_certs</b> is <b>0</b>.</li> </ol>
45499	The Server Statistics-> Disk usage tab creates many swap files that continue to eat up all disk space
<b>Beginning in 6.0.5</b>	
41683	<p>Fixed in 6.0.8</p> <p>When upgrading between releases where the jetty version changes the keystore files was not properly saved, causing new self-signed certificates to be deployed. This could potentially overwrite valid self-signed or commercial certifications already deployed.</p>
<b>Beginning in 6.0.4</b>	
43271	The audio alarm for iCal reminders does not work in ZCS. Workaround: to receive reminders in iCal use “message” instead of “message with sound” when setting up a reminder.
43457	Taking Apple's upgrade for Leopard to java 1.5 u20 or later appears to intermittently prevent account creation.
<b>Beginning in 6.0.0</b>	
42629	ZCO. In order for ZCO to work properly with ZCS 6.0.x, users must have Outlook 2003 SP3. If SP3 is not installed, ZCO users may see the error “can't open your default folders” and then Outlook will shut down. Outlook 2007 is not impacted.

42609	Upgrades from ZCS 5.0.19 or later 5.0.x releases to ZCS 6.0.0 or 6.0.1 will fail. We recommend customers running 5.0.19 or later 5.0.x releases upgrade to 6.02 or later 6.0.x releases when they choose to move to the 6.0.x series.
32613	Known issues with Mac 10.5. includes directory services cache corruption. MAC 10.5 is Beta for ZCS 6.0 and should not be used in a production environment.
28481	Documentation Correction. In the Multi Server Installation Guide, Configuring LDAP Replication chapter. Disable LDAP on the Replica section should read: <ol style="list-style-type: none"> <li>1. Enter <code>zmcontrol stop</code> to stop the Zimbra services on the server,</li> <li>2. Run the following command, as zimbra, to disable ldap service:  <pre>zmprov -l ms `zmhostname` -zimbraServiceEnabled ldap</pre> </li> <li>3. Enter <code>zmcontrol start</code> to start other current Zimbra services on the server.</li> </ol>
38033	Cannot delete a shared calendar in CalDav.
38393	iPhone 3.0 sends multiple invitations when changing a single exception in a recurring meeting.
30803	Mac iCal changes private events to public. This is a third-party bug. This is a 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.
7039	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.
12356	Uploading a file to Documents that exceeds the maximum upload size hangs the browser. No error is displayed.
14047	The anti-spam checks will not run against mail brought in via external POP
21484	National characters cannot be used in the Document Notebook file name.
21801	When performing an upgrade on servers running 32 bit RHEL 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!
<b>Zimbra Connector for Outlook (ZCO)</b>	
3154	Users must perform an initial sync on the Outlook client when they log on after the Zimbra server is restored from a backup session.

4986	Searches are not saved in Outlook and search folders created in the Zimbra Web Client do not synchronize to Outlook.
8171	If you have McAfee On-Delivery E-mail Scanner option turned on, initial sync is very slow. Recommend that for the initial sync to the Zimbra server, that this option be turned off.
9474	Delegated Access - Users cannot copy delegator's Outlook folders into their mailbox.
20986	ZCO - When installing ZCO on computers with Vista and Outlook 2007, the Windows search service is not automatically stopped. Before installing ZCS, stop the Windows search service.
4007/12494	Some plug-ins do not work.
<b>Zimbra Connector for Apple iSync</b>	
16027	To sync attendees for an appointment, the user must click <b>Send Invite</b> in iCal, otherwise the iSync Connector is not given the attendee as data when syncing the appointment.

## Product Documentation

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

## Bug Reporting

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

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