
Zimbra Collaboration Suite 6.0 Beta 2

Open Source Edition Release Notes

This release note describes the new features and enhancements that are available in the open source ZCS 6.0 Beta 2 release.

ZCS 6.0 Beta 2 should not be run in production environments. Running this Beta in production environments can cause problems of any magnitude, including data loss or corruption.

This release provides a preview into what is coming with the next generally available release. We encourage you to run the Beta in lab and non-production environments, and we value your feedback.

Questions related to this Beta release can be posted to the Zimbra forums at <http://www.zimbra.com/forums>.

Major New Features and Enhancements for 6.0

6.0 Beta 2

ZCS Administration and General Features

- 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)
- The admin can set the number of items to display per page on ZWC to 250, 500, 100 or more. COS/Account attributes **`zimbraMaxMailItemsPerPage`**, **`zimbraMaxContactsPerPage`**, **`zimbraMaxVoiceItemsPerPage`** control the numbers (Bug 7411)
- 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)
- As part of the Logger service over-haul for 6.0.
 - Logger service is no longer available. (Bug 24199)
 - There is a new tab in Server Statistics that include advanced graphing options. Also the stock graphs for disk/mta/etc. are more dynamic. (Bug 34938)

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- 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. (Bug 36915)

Zimbra Web Client Features

- Tasks. You can now select to view tasks by status (Not started, Completed, In progress, Waiting on someone else, and Deferred) Bug 16005
- Tasks. 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)
- Calendar. The attendee can select from a drop down menu to not notify the creator when they accept, decline, to tentatively accept a meeting. (Bug 38179)
- 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)
- 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)
- 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 (Bug 11299)
- Added the ability to sort by message size (Bug 10445)
- Standard Client. HTML signatures are now supported in the standard ZWC. (Bug 28314)
- Standard Client. The GAL can now be searched from the Standard Client. . (Bug 27615)
- Standard Client. When creating a meeting, the resources are now displayed on the Add Attendees page. (Bug 37952)

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ZCS Administration

- 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)

Zimbra Collaboration Suite - General

- The Logger service is completely over-hauled for 6.0. The new logger service will not be 100% complete for the 6.0 Beta 1 release. See the [More About ZCS 6.0 Features](#) section for more information.

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- 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. Administrators use the new CLI, `zmgsautil`, to configure. (Bug 14531) See the [More About ZCS 6.0 Features](#) section for more information.
 - 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.*

(Bugs 24226, 20056, 20972)

Important: *It is not advised that you upgrade to 6.0 Beta 1 if you use Samba or NIS (`posixaccount`) to upgrade as this upgrade processes is not currently documented.*

- 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, 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

(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

- 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, 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 they want to use in Zimbra Web Client. (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. In 6.0 Beta the ZCS administrator must set the following CLI command for this to work. Note: The shared calendar must already be set up.
zmprov ma <boss@example.com> +zimbraPrefCalendarForwardInvitesTo <myadmin@example.com>
(Bug 23336)

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- 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. For 6.0 Beta the administrator must set this up with the following CLI command:

```
zmprov ma <user@example.com> zimbraPrefCalendarAutoAddInvites  
FALSE
```

Note: *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)

- Users can configure their Calendar Preferences to automatically decline invites from an organizer who does not have permission to invite the receiving user. For 6.0 Beta, the administrator must set this up with the following CLI command:

```
zmprov ma <user@example.com>  
zimbraPrefCalendarSendInviteDeniedAutoReply TRUE
```

(Bug 30990)

- 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. Upgrading to 6.0, this feature is not enabled. For new ZCS installs this feature is enabled by default.

For 6.0 Beta, this feature can be enabled with the following CLI;
zmprov mc <cosname> zimbraFeatureReadReceiptsEnabled TRUE

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)

- 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)
- Keyboard shortcut list can be printed from the Preferences>Shortcuts folder. Clicking Ctrl+q displays the Zimbra keyboard Shortcuts list. (Bug 12194)
- Auto-complete is available from shared address books. (Bug 11141)
- Standard Client major enhancements

- Reading Pane (Bug 31759)
- Calendar has fish eye view (Bug 33499)
- 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)
- Improvements were made to printed messages, address book and calendars to make them easier to read. (Bugs 32996)

Major Fixes in 6.0 Releases

Major Issues Fixed for 6.0 Beta 2

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

15141	Folder names are correctly displayed when folders are exported with REST.
19713	Password protected archives. Admin UI check box actually affects Amavis configuration and this feature should work now.
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.
27134	Unread message count shows correctly for shared folders.
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.
31633	Support for X-Originating IP with nginx or other fronting proxy

32897	<p>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.</p> <ul style="list-style-type: none"> • mysql_memory_percent • mysql_innodb_log_buffer_size • mysql_innodb_log_file_size • mysql_sort_buffer_size • mysql_read_buffer_size • mysql_table_cache
35079	Sharing a folder with a large number of grantees no longer causes a lock wait during the SyncRequest
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>
36434	Cancelled instances of a series are no longer displayed in iCal.
36466	Drafts are now saved in the Draft folder; not to a 'child' folder
36598	New values automatically appended to localconfig mailboxd_java_options based on initial description.
36713	Fixed issue that caused clicking on any download link to open the admin console.
37015	Documents templates now are loaded correctly for multi-node installs.
37104, 36954, 36935, 37175	Various issues with the three-pane view with reading pane on the right have been fixed.

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 createTimeStamp and modifyTimeStamp in a format other than the standard LDAP generalized time format yyyyMMddHHmmss'Z' (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 yyyyMMddHHmmss.S'Z' (e.g. 20090505202054.OZ).</p> <p>This is now fixed. A new domain level attribute zimbraGalSyncTimestampFormat is added. The default value is yyyyMMddHHmmss'Z'. If the LDAP server for an external GAL stores operational attributes createTimeStamp and modifyTimeStamp 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
37696	Improved tagging and folder keyboard shortcuts.
37750	When upgrading, zimbraBatchedIndexingSize 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>
38425	zimbraPrefmailDefaultCharset is unset by default for upgrades and new installs.

Major Issues Fixed for 6.0 Beta 1

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

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)
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.
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 zimbraMailRedirectSetEnvelopeSender to False .
32321	Beginning with 6.0, zmprov usage for gaa now requires -l in the command so that account information is retrieved via LDAP. IMPORTANT: If upgrading - If you created a script using zmprov gaa to retrieve all accounts, you will need to modify the script to include -l in the command.
33334	When connecting to Outlook via IMAP, using shared folders in multi-server environments no longer crashes Outlook.
33396	Various time zone enhancement to support easier updating
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 minute)
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.

20739	You can set the required SSF of connections to force secured connections via the <code>ldap_common_require_tls</code> 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.
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More About ZCS 6.0 Features

ZCS documentation has not yet been updated for 6.0 Beta 1. The following section gives additional information about some of the new features.

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 totally 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. Unknown information is left for `zmlogprocess` to handle
- `zmlogprocess` handles unknown information left behind by `zmlogger` and interprets MTA information similar to the old logger service and sends it back to `zmlogger` to process

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- ZCS uses `/opt/zimbra/libexec/zmrrdfetch` to retrieve datapoints that is used to display real-time status and charts in the administration console.
 - Logger service is no longer available.
 - There is a new tab in Server Statistics that include advanced graphing options. Also the stock graphs for disk/mta/etc. are more dynamic.
 - An additional log file `/var/log/zimbra-stats.log` is automatically added via `sysloc.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.

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

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`

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

System Requirements Updates for 6.0

New operating systems for Open Source 6.0 Fedora 10.

Additional ZCS Components included in Download

When the Zimbra Collaboration Suite is installed, the following additional components are saved to

`http://<server>/zimbra/downloads/index.html`.

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

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

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

Product Documentation

Documentation has not been updated for Beta 1. The release notes describes major enhancements and changes. 5.0.X Zimbra documentation can be accessed from the administration console's Help Desk page. Online help is available on the administration console.

Upgrade Process

Important: Only ZCS systems at 5.0.2 or later can upgrade directly to 6.0.x. If you are running 4.5.x, you must first upgrade to the latest ZCS 5.0.x version before you can upgrade to 6.0.x. Read the latest 5.0 release notes for information about upgrading to 5.0.

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

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)

Before you 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 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. The following have been tested for 6.0.

- RHEL4 - Red Hat Enterprise Linux ES release 4 (Nahant Update 5 and 6)
- RHEL4_64 - Red Hat Enterprise Linux AS release 4 (Nahant Update 5 and 6)
- SuSE10 - SUSE LINUX 10.0 (i586) OSS (Version 10.2)
- SLES10 - SUSE Linux Enterprise Server 10 (i586) (Version 10)
- SLES10_64 - SUSE Linux Enterprise Server 10 (x86_64) (Version 10.1)
- UBUNTU6 - Ubuntu Server 6.06.1 LTS
- RHEL5 - Red Hat Enterprise Linux Server release 5 (Tikanga)
- RHEL5_64 - Red Hat Enterprise Linux Server release 5.2 (Tikanga)
- Mac OS 10.4 Tiger
- Mac OS 10.5
- UBUNTU 6.06
- UBUNTU 6 64

- UBUNTU 8 64
- UBUNTU 8.04
- Debian 4.0
- Fedora 7

Update to Supported Operating Systems

SUSE Enterprise Linux 10 (SLES10) SP1

SUSE Enterprise Linux 10 (SLES10)

Verify Certificates Expiration Date

ZCO 5.0.x requires a valid self-signed or commercial SSL certificate for communication between some components. The self-signed certificates that are automatically created by the ZCS install have a default expiration of 365 days.

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

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

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

Upgrade Instructions

Go to www.zimbra.com Open Source Edition Download page for the latest version of the software.

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

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

Single-Server Upgrade Steps

Read the release notes before you begin.

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

Important: Zimbra recommends that you run a command such as the UNIX command, Immune to Hangups (**nohup**), so that the session does not

terminate before the upgrade is completed. This is important when the upgrade includes restoring a configuration that has a large number of accounts.

1. Log in as root to the Zimbra server and **cd** to the directory where the Zimbra Collaboration Suite Open Source Edition 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. 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.

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

7. If you have not set the time zone, you will be asked to set it. This sets the time zone in the default COS. The time zone that should be entered is the time zone that the majority of users in the COS will be located in.
8. When **Configuration complete – press return to exit** displays, press **Enter**. The upgrade is complete

Multi-Server Environment Upgrade Steps

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

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

1. Log in as root to the Zimbra server and **cd** to the directory where the Zimbra Collaboration 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.
4. When you upgrade the mail store server, the installer displays **Do you want to verify message store database integrity (Y)** is displayed. The default is **Yes**. This step runs **zmdbintegrityreport** to verify that the MySQL® database is not corrupt before upgrading to the latest ZCS.

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

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

5. When **Do you wish to upgrade? [Y]** is displayed, press **Enter** to continue. The upgrade packages are unpacked.
6. The packages you want to install on the server should be marked **Y**. All other packages should be marked **N**.

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

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

Upgrade Steps on Mac Servers

1. Click on the dmg file to open the file and then click **ZCS.mpkg** to open the Zimbra install package. The Apple installer opens and verifies that the server is ready to upgrade the Zimbra Collaboration Suite. To install new packages, click **Customize**. Select the new packages to install. Click **Continue**.
2. Welcome screen appears, click **Continue**.
3. The Zimbra Software License Agreement is displayed. Read the agreement and click **Continue**. A popup screen appears asking that to continue the install you must accept the terms of the license agreement. Click **Agree**.
4. Confirm the destination volume where ZCS software is installed. Click **Continue**.
5. The **Easy Install ...** dialog displays. Click **Upgrade**. A progress bar shows the Zimbra packages being upgraded, when completed, click **Close**.
6. Open the Apple Terminal and log on as **root**. Type **sudo /bin/bash**. Enter your root password, if asked.
7. Type **/opt/zimbra/libexec/zmsetup.pl** This starts the ZCS configuration upgrade. The upgrade process verifies what version of ZCS is being run and proceeds to upgrade the services to Open Source Edition , 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**.

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, 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, 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/**.
- 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” on page 17](#).
- If your pam configuration rules disallow null passwords, you will need to define a password for the zimbra UNIX account after the upgrade. This will allow ssh key authentication for checking remote queues. (Bug 12807)

Upgrading new 6.0 Features

- If you want users to access the following new or beta features, these features must be enabled after the upgrade.
 - Instant Messaging (Beta). In the administration console, COS>Features tab, check the Instant Messenger box.
 - 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.
 - Read Receipt Message feature. See the Major New Features and Enhancements section, Bug 7257.

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- 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 More About ZCS 6.0 Features section. (Bug 14531)

Removing current version and performing a clean install for ZCS

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

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

Status of Your Customizations to ZCS after Upgrade

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

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

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

All entries between the designated comments in the Zimbra crontab file are overwritten with new defaults upon upgrade. Customized backup schedules stored in the Zimbra crontab and customizations to the crontab entry outside the designated comments are preserved.

Known Issues

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

General Known Issues

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"> • 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. • If mail is displayed in HTML format, you cannot select the text with the mouse.
	<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>
30803	<p>Mac iCal changes private events to public. This is a third-party bug. This is known issue that is currently being investigated by their engineering.</p>
32108	<p>Exchange migration tool hangs after choosing user from the Object Picker. This is a third-party bug.</p>
32985	<p>Calendar does not resolve mid-air collision when new attendees are added while some existing attendees are accepting the invite.</p>
7039	<p>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.</p>
12356	<p>Uploading a file to Documents that exceeds the maximum upload size hangs the browser. No error is displayed.</p>
14047	<p>The anti-spam checks will not run against mail brought in via external POP</p>
15966	<p>All day calendar appointments are displaying on the wrong day (a day earlier). Workaround is to set zimbraPefTimeZoneld at the Domain, COS, or Account level.</p>
21484	<p>National characters cannot be used in the Document Notebook file name.</p>
21801	<p>When performing an upgrade on servers running 32 bit RHEL 5 or FC 5, the installer may encounter a segmentation fault. No work around currently is available. Make sure you backup all configuration files before you start the upgrade!</p>

Product Documentation

Documentation has not been updated for Beta 1. The release notes describes major enhancements and changes. 5.0.X Zimbra documentation can be accessed from the administration console's Help Desk page. Online help is available on the administration console and on the Zimbra Web Client.

Documentation can also be found on the Zimbra web site 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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6.0 Beta 2 Release Notes

6/3/2009