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# Release Notes for Zimbra™ Collaboration Suite 4.5.11

## Open Source Edition

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### Release Overview

This release note refers to the Zimbra Collaboration Suite Open Source Edition 4.5.11 release from Zimbra, Inc. This is a generally available (GA) release expected to run in production environments.

The Zimbra Collaboration Suite Open Source Edition 4.5.11 is a next generation collaboration solution. ZCS provides email, address books, group calendaring functionality, and Web document authoring and sharing, along with rich browser-based interfaces for both end-users and administrators. A comprehensive feature list is available on the Zimbra web site at [www.zimbra.com](http://www.zimbra.com).

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

### New Features and Fixes for 4.5

Following is a list of major enhancements for ZCS 4.5

- Mail Identities. The Mail Identities feature allows users to send email from their account using different names and mail settings. Users can select which From address to use for the mail they are sending from ZWC.
- Personal Distribution Lists. Users can create Contact Group lists in their Address Book.
- Users can implicitly set whether the reading pane is OFF or ON.
- Administrators can configure a canonical address for an account. The canonical address displays in the **From** field of messages that are sent.
- Complex Passwords can be enforced. If you use internal authentication of users to the Zimbra directory, you can create password rules that require users to create more secure passwords. You can set a combination of password length, password uniqueness rules, and password lifetime. Password rules can be configured in COS or individual accounts.
- Accounts can be locked out when users attempt to log on using an incorrect password. You can set the specified number of times within a specific period of time that a log on attempt can be made before the account is locked out. You can also set the lockout time.
- Manage Zimlets from the administration console. You can add new Zimlets, set access privileges by COS and by individual accounts, and disable and uninstall Zimlets from ZCS. A Zimlets tab has been added to COS and individual accounts.
- Custom administration extension modules you create can be uploaded and installed from the administration console.
- When forwarding is not enabled, users cannot forward mail nor create mail filter rules to forward mail.
- Users can configure the HTML default font settings to use when composing a message or working in Documents.
- Advanced search capabilities in the administration console. When you use Advanced Search, you can create a complex query to search for addresses by domain or server.
- Shortcut navigation for ZWC option is turned on when you upgrade or install ZCS. ZCS includes the ability for Zimbra Web Client users to use shortcut keys to navigate through the applications and sets up a Shortcut tab in Options to allow users to create their own shortcuts for mail folders, search, and tags.

## Enhancements for 4.5.x

### New Features for 4.5.11

- The default charset for mail composing and parsing can now be defined in the COS and Advanced Mail Options on the administration console. (Bug 22056)

### **New Features for 4.5.10**

- So that email messages received in any language can be displayed correctly, the charset for messages can be set for COS and Accounts. This charset information is included in the mime. If an email message is received that is not encoded with a charset, the charset that is configured for the account is used to display the text. The default is UTF-8. (Bug 13058)

### **New Features for 4.5.7**

- A script is executed by the cron every 5 minutes to see if mysqld process is running to detect cases where corruption is likely to be caused. An email is generated if it finds more than 1 mysqld process running. (Bug 19206)
- Import and migration wizards work with Microsoft Outlook 2007 (Bug 17720)
- For better performance and scalability for LDAP replication, ZCS now uses delta-syncrepl for LDAP replication.

### **New Features for 4.5.6**

- Red Hat Enterprise Linux 5.0 has been approved for 4.5.6 and later. For RHEL4 to RHEL5 upgrade procedures, go to the Zimbra wiki [http://wiki.zimbra.com/index.php?title=Upgrading\\_Zimbra\\_from\\_RHEL4\\_to\\_RHEL5](http://wiki.zimbra.com/index.php?title=Upgrading_Zimbra_from_RHEL4_to_RHEL5)

### **New Features for 4.5.5**

- When ZCS is installed or upgraded, Secure SMTP is enabled on port 465 by default.

### **New Features for 4.5.4**

- To assist administrators with finding answers faster, the administration console has been enhanced to include a Help Search button, that when clicked, will search the Zimbra forums, the Wiki, and Bugzilla.
- Ubuntu Network Edition is released as GA.

### **New Features for 4.5.2**

- Server migration of appointments. See [“Time Zone Changes for 2007 and ZCS” on page 17](#).
- Ubuntu Network Edition is now available as Beta.

## Miscellaneous Important Notices

### DSPAM Disabled by Default In 4.5.1 and Later Upgrades

Beginning with 4.5.1, DSPAM is disabled when you install or upgrade ZCS. DSPAM was disabled because it was frequently interrupting mail delivery for some of our customers. (Bug 12185)

### Setting Time Zones for Accounts

With 4.5.6 and prior releases the default COS has the time zone as US-Pacific regardless of server time zone. This is the `zimbraPrefTimeZoneId` attribute. This time zone is used for some devices using Zimbra Mobile and is used in the standard Web Client to set the date and time messages are received, but nowhere else, so the frequently-incorrect time zone was rarely noticed by customers. Starting in 5.0.0 the standard client will include calendar and it will render the calendar according to `zimbraPrefTimeZoneId`, which will be inherited from the COS if nothing has been set explicitly on the account.

To prepare for this, ZCS 4.5.7 new installs and upgrades prompt the admin to enter a time zone to apply to 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. If the users are distributed such that there is no common time zone then you will need to set (or have the users set) the time zone for each account, and what you enter for the COS will be irrelevant.

With 4.5.7 end users can set their time zone in the standard and advanced web clients. 4.5.7 also exposes the account time zone in the admin console including in the New Account wizard. For customers with provisioning systems linked to Zimbra, you should consider including the account time zone in the account creation request if you have not already done so.

Note that even though the time zone is available in the advanced client in 4.5.7, it will continue to have no impact on the calendar view provided by the advanced client. That is presented based on the time zone of the user's PC.

For more information on how ZCS uses time zones and the various attributes please see [http://wiki.zimbra.com/index.php?title=Time\\_Zones\\_in\\_ZCS](http://wiki.zimbra.com/index.php?title=Time_Zones_in_ZCS).

### Mail Filters Maximum Capacity

Beginning with 4.5.7, ZCS has set the Account mail filter quota to 21K. This is cannot be configured. If a user creates filters or edits existing filters that cause the mail filter size to reach 21K, an error is displayed and the changes cannot be saved. Existing filters will continue to work. Users can delete filters to maintain their quota.

**Important:** *When ZCS is upgraded to 4.5.7, if an account's mail filter storage is larger than 21K, after the upgrade the user's mail filters will continue to process incoming mail, but users will not be able to edit their filters. This will require administrator intervention to address. The administrator can use*

**zmprov ga <account>** and then look for **zimbraMailSieveScript** to view the currently installed script. This should be edited to get the value of the attribute to less than 21K in size. Be sure to delete filter rules in consistent wholes while editing. Then restore the filter with **zmprov ma <account> zimbraMailSieveScript <edited script>**.

### Registry Keys for 4.5.x Import Wizard and Migration Wizards

Below is a list of all the registry keys for 4.5.x Import Wizard and Migration Wizards. The location of the first five keys (HostName, Port, SecureCon, AdminPort, and AdminSecureCon) are located under the name associated with the Wizard you are using. Below are the names associated with each wizard:

- The registry keys for the Import Wizard for Outlook are located under **HKCU\Software\PSTMigration**.
- The registry keys for the Exchange Migration Wizard are located under **HKCU\Software\ExchMigration**.
- The registry keys for the Domino Migration Wizard are located under **HKCU\Software\DominoMigration**.

**Important:** Before you change any registry key values, be sure to create a backup of the original registry key values.

Key Name	Value Type	Description
The following keys are located under <b>HKCU\Software\&lt;wizard name&gt;</b>		
HostName	REG_SZ	Default host name of the mailbox server.
Port	REG_DWORD	Default port on which the administrator and non-administrator services run.
SecureCon	REG_DWORD	Default status for using a secure connection.
The following keys are only for the Import Wizard for Outlook, and are located under <b>HKCU\Software\PSTMigration</b>		
AdminPort	REG_DWORD	Default port on which the administrator services run.
AdminSecureCon	REG_DWORD	Default status for using a secure connection.

Key Name	Value Type	Description
The following keys are located under <b>HKCU\Software\Zimbra:</b>		
MaxAttachSizeMB	REG_DWORD	By default, messages larger than 10 MB will not be imported. The limit can be changed by modifying the registry. The key value should be specified in megabytes (MB). A value is zero, there is no limit to the size of message attachments.
ErrorThreshold	REG_DWORD	By default, after three consecutive errors the ZCS Import Wizard for Outlook will stop. The limit can be changed by modifying the registry. If the value is zero, the wizard will not stop.

## Major Fixes in 4.5 Releases

### Major Issues Fixed for 4.5.11

19601	Fixed the issues that caused the LDAP master to hang.
15072	Reindexing mail now works correctly.
22311	The issues that caused Tomcat to use excessive CPU have been fixed.
22958	Messages with HTML signatures now display in IE 7.
21546	DPKG check during an upgrade works in Ubuntu.
21937	The perdition socket leaks on invalid login have been fixed.

### Major Issues Fixed for 4.5.10

21351	ZCO - The Visual C++ runtime error dialog no longer displays
8074	Forwarding messages. When users set up forwarding, they must include a forwarding address before they can check "don't keep local copy of messages"

20436	Yahoo Maps Zimlet display the map image correctly.
16525	Fixed the issue that caused the 451 Temporary message delivery warning to sometimes display when a message was attached
5889	The attachment icon displays correctly
19585	Free/busy data correctly in the Zimbra Web Client and in Outlook
20684	Issues that caused an error when accepting a Calendar invite from a Calendar that was imported using REST have been fixed.
16700	When a mailbox quota is exceeded (mailbox full), and a message is received, the SMTP error code that is returned to Postfix is 4.2.2, temporary failure. Postfix will resend the message
20673	The zmtrainsa <user> ham <folder> is now working correctly.
21287	Mail filter for "Header named Received contains" is fixed.
17218	The Australian localization for presentation of common date format is available to resolve this bug. Go to the Translations article on the Zimbra Wiki, <a href="http://wiki.zimbra.com/index.php?title=Translations">http://wiki.zimbra.com/index.php?title=Translations</a> , read about the translations and find the latest downloads.
21697	The upgrade include the upgrade to OpenLDAP 2.3.39. This OpenLDAP upgrade closes security hole.

### Major Issues Fixed for 4.5.9

8074	A forwarding address is required if you enable <b>Don't keep a local copy of messages</b> . If you save without adding the address, a warning is displayed.
14873	During an upgrade, the backup schedule you configured is not overwritten with the ZCS default schedule.
17712	In Calendar, when a resource is scheduled, the auto reply from the resource will now show the correct time.
17727	All pdf attachments are correctly displayed when using the Zimbra Web Client.

17977	Server Status in the administration console now shows correct information.
18613	Meeting requests sent from external Outlook now display the meeting details correctly in the Zimbra Web Client.
19550	When editing a single instance of a recurring calendar appointment, the start time is not reset.
20242	The time frame for an appointment now displays correctly in Calendar views.
20523	The problem that caused blank emails after upgrading fro 4.5.6 to 4.5.7 has been corrected.
20732	Spam/MTA stats in Zimbra Logger now log correctly.
20856	When you upgrade ZCS, the content of the localconfig file is saved in a .saveconfig file. There was a potential for lose of configuration data during repeated upgrade attempts after an incomplete or aborted upgrade. The ZCS installer now creates a copy of the configuration data for each upgrade attempt allowing for recovery if the upgrade is aborted. For instructions on how to recover a previous configuration from these saved files, Community Edition users can follow directions posted in the forums.

### Major Issues Fixed for 4.5.7

4872	Recurring appointments created in Outlook recur the correct number of times in ZWC
9510	All day appointments can be opened and closed correctly
12098	When composing mail in HTML, you can now delete multiple rows of tables
13717	Logger performance has been improved
14850	IMAP client now runs correctly from a Nokia-E61 phone
14945	Issues that caused Logger to intermittently stop without warning after pruning have been fixed
16002	Postfix restart now updates ldap-v*.cf files if ldap_url has changed
17165	Quotas larger than 2GB can be retrieved via IMAP

17430	Increased mail-item. metadata column from TEXT to MEDIUMTEXT to avoid “metadata too long” errors
17648	Now the installer sets randomized passwords for keystore/truststore and the user can change them
17720	Import and migration wizards work with Microsoft Outlook 2007
17794	Global config values for postfix myhostname and myorigin have been added to LDAP NOTE: Any customer with mydestination, myorigin, myhostname customizations or customers that have integrated Mailman with ZCS may have to reset postfix customization after upgrading to 4.5.7. These 3 postfix variables have been moved into the ZCS LDAP configuration and will now be preserved during upgrades.
17851	The timezone for accounts can be set during ZCS installs and upgrades from the Main menu
17876	The timezone for accounts can viewed and set from the administration console, COS and Accounts configurations
18023	Redirect loop caused by setting zimbra_auth_always_send_refer to true has been fixed
18087	slapd index_param failed errors are no longer being displayed in the zimbra.log
18270	A fix to ZWC will eliminate Error 2147418094 from appearing with using IE7
18312	Fixed issue where ClamAV, clamd corrupted the clamav/database
18421	Calendar can now be shared when the server mode is set to https
18511	Upgrading to clamAV 0.91.1 to improve clamAV performance
18569	Upgraded to JDK 1.6 update 2
18606	Issue with Firefox 2.0.0.5 that made View Mail from the administration console not work are fixed
18641	slapadd and slapindex -q now works when used with an empty suffix

18846	zmdbintegrityreport is working and does not produce random error messages
18970	Logging context and cached context strings for sync.log are now cleared before processing a request
19048	For better performance and scalability, changed to delta syncrepl from syncrepl for LDAP replication.
19102	Mailbox filters cannot be larger than 21k. Existing filters will continue to work. Users that make changes that would result in writing a filter larger than 21k will see an error and cannot save the filter
19576	When users create filter rules that do not work, Tomcat no longer crashes after seeing errors with Sieve
19683	Full and incremental backup sessions run more efficiently. There should be no more out of memory issues
19696	You can select to run a database integrity check before starting the ZCS upgrade. See the Zimbra Database Integrity Check - 4.5.7 section on page -21 in the release notes for more information

### Major Issues Fixed for 4.5.6

7837	Calendar will now send email to users that have the same name but have different email addresses.
12347	Intermittent error 2147418094 on IE 6 when reading mail is fixed.
14438	The existing ZCS services enabled/disabled configurations are preserved after upgrades.
14945	Logger should no longer stop in the middle of the night.
15331	For IMAP clients, you can now turn off the IDLE capability. User names with /ni do not get notification about IDLE capabilities.
15612	.doc and .pdf files now open correctly in ZWC
15686	When creating an appointment, the new appointments dialog displays the date and time that is selected in the calendar view.
15996	Away messages are no longer blocked.

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16022	Appointments from Meeting Maker in Outlook can now be imported.
16476	Incremental backup sessions will complete, even when archived redo logs have gaps in sequence. The backup report email that is sent will list the problem.
16628	The RHEL 4 update 5 version is correctly detected during the ZCS upgrade.
16815	Attachments to messages now are migrated to ZCS
16879	The conditions that caused the databases to be dropped has been resolved.
16931	Servers now automatically start after upgrade.
17273	Deadlock fixed.
17357	Because searching through multiple mailboxes is not instantaneous, when searching, you should set a specific end time in the search query. By setting the end time, you can manage your search results.
17441	Perdition works for users who have special characters, such as * or + in their user ID.
17462	ZCS checks the MySQL database for corruption and will notify the administrator if any corruption is found. A new report, <b>zmbintegrityreport</b> , will run weekly. When this is run, it may consume a significant amount of I/O. If you find that it is an issue, you may want to change the frequency with which <b>zmbintegrityreport</b> is run by editing the Zimbra user's crontab entry.
17517	The registry key, MaxAttachSizeMB, which is common for migration and importing tools, has been moved to HKEY_CURRENT_USER\Software\Zimbra.
17766	The zmtrainsa usage has been changed so that password is no longer required to access folders. (zmtrainsa <user> <spam ham> [folder])

## Major Issues Fixed for 4.5.5

4126	The sash to the right of the Overview pane now works correctly.
6163	When a vCard is sent as an attachment, a link “Add to address book” is displayed. Users can click this to add the vCard information to their address book.
8132	Better handling for malformed MIME messages that could cause server errors when users view the messages.
10456	Account aliases are hidden in a GAL search.
11332	Secure SMTP on port 465 is enabled by default when ZCS is installed or upgraded.
11381	A bug where saslauthd could consume 100% of available CPU has been fixed.
11461	For systems with a large number of accounts or domains, the administration console will not attempt to load all the accounts or domains. The admin console will show an error message requesting that the system admins restrict their search. A constraint on the number of accounts or domains returned was created to significantly increase admin console performance in these situations. When this error is displayed, the admin needs to add more constraints to the search so that the server does not try to load more than 5000 accounts or domains at once.
14121	Time shift problems when editing an appointment have been fixed.
15598	A bug that could cause high CPU usage in the mailbox server when malformed MIME structures are encountered has been fixed.
15683	Full backups now support more than 32,000 users on the server.
15805	Images are shown properly for attached messages.
15976	Deleting a distribution list now deletes all aliases with it.
16022	The Import Wizard now correctly migrates appointments made with MeetingMaker Outlook Client.

16061	Exchange Migration Wizard correctly migrates calendar events.
16255 and other bugs	Various fixes to Domino Migration Wizard for migration of aliases, transfer rate, migrating large number of users, alphabetical display of accounts.

### Major Issues Fixed for 4.5.4

6736	Forwarding attachments that were uuencoded did not work.
9440	IMAP capabilities as exposed through perdition can now be configured via LDAP.
11267	We have implemented a watchdog process for clamd to restore clamd if it crashes.
11414	<code>zmmtaconfig</code> is now more robust in the face of DNS and LDAP failures.
12309	Upgrading ZCS could unconfigure LDAP replication.
13251	The admin console now includes an integrated help search function. This allows you to search the wiki, forums, and bug database with a single search.
13591	Sending a message could sometimes send a second copy of the attachment.
14497	When attachment indexing was disabled some requests were still made to the text extraction daemon. This is no longer the case.
14830	Users could not log into the Basic Client in a ZCS multi-server configuration.
14987	The default log level for OpenLDAP has been increased.
14991	OpenLDAP has been updated to 2.3.34. This includes many bug fixes.
15045	IMAP search from the "since" date now returns results from the since date.
15075	Upgrading to 4.5.x could fail on older ZCS installs due to MySQL's <code>innodb_buffer_pool_size</code> being set too high. The upgrade will now check for and ask the user to correct it before proceeding

15121	Now the contents of a corrupt CSV files can be imported in the Address Book.
15192	Fixed a bug where a Lucene index could become corrupted and eventually lead the server to consume all available file descriptors.

### Major Issues Fixed for 4.5.3

12318	Loading of web client sometimes fails on Internet Explorer 7. We have made some changes to the client that attempts to work around this bug. We will need feedback from the community and from customer to see if this issue is fixed. The best test is to upgrade to 4.5.3, clear the browser's cache, and then begin using the web client.
12380	Disk usage for devices with "-" in the name now displays correctly.
13583	Viewing contacts imported via csv from Outlook 2003 sometimes threw a Java Script error. This no longer happens.
14160	Mac Mail IMAP clients could cause the server to use excessive CPU. This has been fixed.
14716	In Zimbra Mobile, meetings were encoded in the time zone of the user and not in the time zone of the appointment. This has been fixed, and now meetings should not show a second time zone in parentheses.
14984	Fixed the issue that caused 8-bit mail to be corrupted during delivery. This bug impacts mostly non-US customers, or US customers receiving mail from non-US sources.

### Major Issues Fixed for 4.5.2

6531	Daily reports will now work when Logger is installed on a server without a MTA.
12892	The installer will now check to verify that there is at least the minimum available space before proceeding with upgrade.
13224	You can now modify an inactive user's status from a server that does not host the mailbox.

14330	Calendar appointments can now be created in the Eastern time zone.
14365	Users can now reply to and forward messages in the Easter time zone.

### Major Issues Fixed for 4.5.1

1457	Tabbing into a message body with a signature will now place the cursor at the beginning of the message.
10456	Account alias can now be hidden in a GAL search
10588	The logoURL can now be changed in the Zimbra skins
12347	Intermittent error 2147418094 on IE 6 when reading mail is fixed.
13652	Fixed issues that prevented the Import Wizard and Migrating Wizards from starting on some computers
13932	Spam Assassin Training, zmtrainsa, now works.
13970	POP3 SSL now works if clear text POP3 is not enabled
14016	More attachment conversion (convertd) robustness improvements
14166	Email messages are no longer bounced when accounts are locked out due to password failures

### Major Issues Fixed for 4.5

6616	Logger rotation is fixed.
6623	IMAP teardown deadlock has been fixed.
7362/11792	Attachment conversion is now more robust.
7425	Admins no longer have administrator access privileges during their regular login session to their Zimbra account.
10374	Logger service now works on Mac.
10494	When tabbing in the administration console, tab order works properly.
10560/13609/13585	Time zone issues resolved.
10676	Trash unread count resets correctly when trash is cleared.

11081	iCal mouse-over descriptions now display correctly.
11233	Long device name changes are handled correctly in zmdisklog stats.
11429	Attachments to appointments can now be viewed.
11638	Quoting issue for SQL statements has been fixed.
12445	The /opt/zimbra/log/zimbra log has been renamed to /opt/zimbra/log/ <b>mailbox.log</b> .
12747	Multi-server installation correctly uses a single keystore for signing SSL certificates.

### Beta-quality features included with ZCS 4.5

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

- **Zimbra Basic Client** is an HTML-based client for users that connect over slow connections or have a preference for HTML-based messaging to easily navigate to their email messages. Zimbra Basic Client includes the following client features:
  - **Email** with many of the same features that are in the Zimbra Web Client such as viewing messages in Conversation view, and when composing an email, the ability to save a draft, add attachments, and add recipients from the GAL or their personal contact lists.
  - **Address Book** with the ability to create new address books and enable auto adding of contacts to address books.
  - **Calendar** with the ability to create new calendars, link to shared calendars, and set up new appointments.
  - **Tags** and **Folders** can be created to organize email messages and contacts.
  - **Search** with the ability to do simple searches across their email messages or personal contact lists, and to create and manage more advance search queries.
  - **Options** with the ability to manage preferences including mail, default identity, address book, mail filters and use shortcut keys that are listed in the Options Shortcut tab.

Features that will be available in future beta releases include, full identity support, and POP account support. In addition, you will be able to import and export contacts, and share your address books.

When users log on, they choose whether to open the Zimbra Web Client or the Zimbra Basic Client.



To report an issue go to <http://bugzilla.zimbra.com/>. When you open a bug, select **Mail - Basic HTML Client** as the product component.

- **ZCS Documents** offering online document authoring and sharing is in beta. If you did not use Documents in your existing ZCS version, Documents is not enabled during the upgrade to 4.5. To use this feature, you will need to enable the Documents feature.
  - One Global Documents account is created automatically when ZCS is installed. Documents is disabled in this account. You must enable this feature on the account's Features tab.
  - For accounts to have this feature, enable Documents in either the Class of Service or in individual account's Features tab.

See the administration console Help and the Zimbra Web Client Help for information about how to use Documents.

It is not recommended that you create a library of Document folders that you would want to share in a production environment as the data integrity cannot be guaranteed. See the bug list for known issues.

- **Zimbra Migration Wizard for Domino** to migrate Lotus Domino server email accounts to the Zimbra server. Accounts from Lotus Notes 6.0 or later can be migrated.
- **Safari™ browser support** is in beta and there are several known issues.
- **Zimbra Toaster** is a stand-alone application that notifies users when new email is delivered to their ZCS mailbox. The install format is an .msi file.

## Time Zone Changes for 2007 and ZCS

2007 brings changes to time zone definitions for several countries, including the United States, Canada, Bermuda, and Australia. When an appointment is created it includes the dates to adjust for daylight savings and the offset from GMT. Appointments created with 2006's daylight savings transition dates will be incorrect for display of appointments in 2007 during the time where the offset from GMT is different for the two years.

Let's take the United States as an example. In 2007 daylight savings time starts 3 weeks earlier and ends 1 week later than it did in 2006. During these 4 weeks, recurring appointments created with the 2006 rules will be off by 1 hour. Also, single-instance appointments created using the 2006 rules for these 4 weeks will be off by an hour. Appointments that occur in the other 48 weeks of the year (including recurring appointments) are not impacted by the change since the 2006 and 2007 rules are the same for these weeks. A lot of the following text states "the appointment will display incorrectly". The incorrect display will occur only during these 4 weeks.

ZCS 4.5.2 and later releases address these changes and also provides a server-based migration utility (**zmfiltz**) to change appointments created with pre-2007 time zone rules to 2007 rules.

The following information provides a summary of the full article contained at [http://wiki.zimbra.com/index.php?title=Time\\_Zone\\_Changes\\_for\\_2007\\_and\\_ZCS](http://wiki.zimbra.com/index.php?title=Time_Zone_Changes_for_2007_and_ZCS)

### Preparation

To prepare for the time zone changes if you are in an affected area, you must complete the following three tasks:

- Upgrade to ZCS 4.5.2 or later
- Upgrade all client desktops to have the OS time zone patch
- Run **zmfiltz** at least once

### ZCS 4.5.2 and Later

With ZCS 4.5.2 and later, the server will not adjust the start time of existing appointments that occur in time zones that it recognizes when the appointment is accessed (this is a change from 4.5.1 where the start time was modified at access).

However, 4.5.2 and later releases do include a time zone migration script, **zmfiltz**, that will do as much as possible to correct 2006 appointments on the server. Unlike the dynamic changes done in 4.5.1, the changes done in 4.5.2 or later releases via **zmfiltz** permanently modify the appointment.

### **zmfiltz Purpose and Usage**

Starting with 4.5.2, the server includes **zmfiltz**, which can be used to modify appointments that have pre-2007 time zone definitions to use those from 2007. Generally, the server will be able to fix appointments created by the web client, Zimbra Connector for Outlook, and Zimbra Connector for iSync. It may or may not be able to fix appointments created by Zimbra Mobile.

The goal of "fixing" an appointment is this: Users with the OS time zone patch will not have to manually modify their appointments to get them to display correctly during these few weeks. On systems with the OS time zone patch, the appointment will display correctly during the few weeks where daylight savings time is different between 2006 and 2007. On systems without the OS

time zone patch, the appointment will display at an incorrect time during these weeks. Without the "fix", the opposite will occur: the appointment will display at the correct time for users without the OS time zone patch but incorrectly for users with the patch.

Note that you can run **zmfixtz** multiple times. In fact, you may want to put it in a cron entry if you have reason to believe that appointments with 2006 time zone definitions will enter your system even after you have run it the first time. That is, if you will continue to have users without the OS time zone patch creating appointments, you will want to run **zmfixtz** periodically (perhaps every week).

**zmfixtz** will NOT be run automatically by the install and upgrade scripts. You must run it by hand. We recommend that all admins in affected areas (see below) run it at least once soon after upgrading to 4.5.2 or later releases. In our tests on large mailboxes we have seen approximately 10 minutes of run time per 1000 users. The script does not interfere with other operations on the server, so you can run it at any time.

### Usage

**zmfixtz** should be run as the zimbra user. It should be run on each mailbox server. **zmfixtz** can be used on single mailboxes, but we recommend running it across all mailboxes.

The command tells the server to start the migration, but does not wait for the migration to complete. You can track progress of the migration by watching for **CalendarTimeZoneFixupThread** in `/opt/zimbra/log/mailbox.log`.

The command that you need to issue varies by your location.

- Users in the following countries should run this CLI command, United States, Canada, Brazil, Egypt, Israel, and Iran:

```
zmfixtz -a all
```

Countries that continue to use the identical time zone rules in 2007 as the United States used in 2006 should not run this migration tool. (One example is Mexico.)

- **Australia-only.** For the Western Australia timezone (GMT+8 timezone), run the following CLI command:

```
zmfixtz -a all --country AU
```

This command should not be run in other GMT+8 countries such as China.

### Summary

With 4.5.2 and later releases, old appointments with 2006 time zone definitions (or new ones on unpatched user systems) can be converted to 2007 time zone definitions via **zmfixtz**. This will permanently change the appointments. After this change, they will render correctly on systems with the time zone patch, but incorrectly on systems without the time zone patch.

## Product Documentation

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

## Additional ZCS Components included in Download

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

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

- **ZCS Migration Wizard for Exchange** .exe file. Use the Migration Wizard .exe file to migrate Microsoft® Exchange server email accounts to the Zimbra server. Accounts from Microsoft Exchange 2000, 2003, and 5.5 can be migrated. See the ZCS Migration Wizard for Exchange Guide.
- **ZCS Migration Wizard for Lotus Domino** .exe file. Use the Migration Wizard for Domino .exe file to migrate Lotus Domino server email accounts to the Zimbra server. Accounts from Lotus Notes 6.0 or later can be migrated. See the ZCS Migration Wizard for Domino Guide.
- **Zimbra Collaboration Suite Import Wizard for Outlook** .exe file. Users can use this file to import their Outlook .pst files to the Zimbra server. See Import Wizard for Outlook Guide.

## Upgrade Instructions

**Important:** When performing an upgrade on servers running 32 bit RHEL 5 or FC 5, the installer may encounter a segmentation fault. If you upgrading from 4.0.x, you are more likely to encounter this issue. No work around currently is available. Make sure you backup all configuration files before you start the upgrade! (Bug 21801)

Go to [www.zimbra.com](http://www.zimbra.com) Open Source Edition Download page for the latest version of the software. You can upgrade from ZCS version 4.0.x or 4.5.x to ZCS Open Source Edition 4.5.11 .

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

**Customizations may not be preserved.** Configuration settings stored in the LDAP and localconfig will be preserved during upgrades. Any files installed by ZCS may be deprecated and/or overwritten during upgrades, removing any customizations. This includes customized themes, logo branding changes, and customized Zimlets.

If you have deployed your own Zimlets, you will need to redeploy them. See Bug 8711 or a work around.

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

**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.

## Zimbra Themes for ZCS 4.5

Beginning with ZCS 4.5, all Zimbra Web Client themes, except Steel, have been redesigned to place the Zimbra applications as horizontal tabs across the top.



User theme settings are not changed during the upgrade. Users that do not use the Steel theme will use the new tabbed view themes.

**Note:** *If you want to continue to use the previous theme design for 4.5, contact support. With the next major release, all themes will be in the tabbed view.*

## Upgrading with Customized Themes and Themes with Ads

If you customized any Zimbra themes, you **must** rename the theme directory before you upgrade to 4.5.x. If you do not rename the theme directory, the directory will be overwritten with the new theme directory.

After the upgrade, change your customized theme directory name back to original theme name to replace the default theme directory.

## Zimbra Database Integrity Check - 4.5.7

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 beginning with the upgrade to 4.5.7 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 are running ZCS 4.5.6, **zmdbintegrityreport** was included with this release. Being at 4.5.6 gives you some additional options in deciding whether or not to run it at upgrade time.

- For smaller customers (1000 users or less) or customers not concerned with downtime, we recommend answering YES to running **zmdbintegrityreport** at upgrade. There is no need to run it prior to the upgrade as its time to run will be short.
- For larger customers already on 4.5.6, we recommend running **zmdbintegrityreport** prior to the upgrade (for example, the night before). When ZCS upgrade prompts you to run it, answer **NO**. This will give you the vast majority of the protection without adding additional downtime to the upgrade process.
- For larger customers not already on 4.5.6, you have the following options:
  - You can choose not to run **zmdbintegrityreport** at upgrade time. This is very likely to be fine, since the corruption instances we have seen are rare.
  - You can also run the commands inside **zmdbintegrityreport** before hand. These were included with the 4.5.7 download. You can also contact support for these commands.

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.

### 4.5.11 Migration From End of Life platforms

Both the new and the EOL'ed platforms will be released with 4.5.11. Unlike previous ZCS upgrades where you were able to go from any version to any other ZCS version, if you find yourself on a EOL'ed version you will need to first upgrade to 4.5.11 before going forward to 5.0.x. See the following wiki page for more information,

<http://wiki.zimbra.com/index.php?title=MigrationFromEOL>

### Single-Server Upgrade Steps

Review the Known Issues section in this release note before you begin.

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

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

**Note:** *Beginning with 4.5.6, the zcs directory name now includes the build date.*

1. Log in as root to the Zimbra server and **cd** to the directory where the Zimbra Collaboration Suite Open Source Edition 4.5.11 archive tar file is saved (cd /var/tmp). Type the following commands:  
**tar xzvf zcs.tgz**, to unpack the file  
**cd [zcsdirectoryname]**, to change to the correct directory  
**./install.sh**, to begin the upgrade installation
2. The Zimbra software agreement is displayed. Read this software license agreement and press **Enter**.
3. You are now asked if you want to verify the message store database integrity. Yes is the default. This step may take some time. For details about this step, see “Zimbra Database Integrity Check - 4.5.7” on page 21.
4. When **Do you wish to upgrade? [Y]** is displayed, press **Enter** to continue. The upgrade packages are unpacked.
5. 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 to ZCS Network Edition 4.5.11.

You may be asked to set your time zone, see “Setting Time Zones for Accounts” on page 4. The upgrade then continues to restore 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.

**Note:** *In our testing for 4.0.x to 4.5, upgrading 4000 users with 1000 messages and using two disks for mySQL took approximately 55 minutes to complete. This time can vary depending on the size of user mailboxes.*

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

**Note:** *If your users are affected by the 2007 time zone changes, you should run the time zone migration tool. See “Time Zone Changes for 2007 and ZCS” on page 17.*

## Multi-Server Environment Upgrade Steps

Review the Known Issues section in this release note before you begin.

Before you begin, stop all ZCS servers. On each server, at zimbra, type **zmcontrol stop**.

**Important:** Upgrade the servers in the following order: LDAP server, mail store server, and then MTA server.

1. Log in as root to the Zimbra server and **cd** to the directory where the Zimbra Collaboration Suite Network Edition 4.5.11 Open Source Edition 4.5.11 archive tar file is saved (cd /var/tmp). Type the following commands:  
**tar xzvf zcs.tgz**, to unpack the file  
**cd [zcsdirectoryname]**, to change to the correct directory  
**./install.sh**, to begin the upgrade installation
2. The Zimbra software agreement is displayed. Read this software license agreement and press **Enter**.
3. When **Do you wish to upgrade? [Y]** is displayed, press **Enter** to continue. The upgrade packages are unpacked.
4. When you upgrade the mail store server, you are now asked if you want to verify the message store database integrity. Yes is the default. This step may take some time. For details about this step, see “Zimbra Database Integrity Check - 4.5.7” on page 21.
5. The packages you want to install on the server should be marked **Y**. All other packages should be marked **N**.
6. When **The system will be modified. Continue?** is displayed, type **Y** and press **Enter**. The older packages are removed. The upgrade process verifies which version of ZCS is being run and proceeds to upgrade the services to ZCS Network Edition 4.5.11.

You may be asked to set your time zone, see [“Setting Time Zones for Accounts” on page 4](#). The upgrade then continues to restore 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.

**Note:** *In our testing for 4.0.x to 4.5, upgrading 4000 users with 1000 messages and using two disks for MySQL took approximately 55 minutes to complete. This time can vary depending on the size of user mailboxes.*

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

**Note:** *If your users are affected by the 2007 time zone changes, you should run the time zone migration tool. See “Time Zone Changes for 2007 and ZCS” on page 17.*

## 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. 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 4.5.11 , restores the existing configuration files, and restarts the system.
8. When **Configuration complete – press return to exit** displays, press **Enter**. The upgrade is complete.

**Note:** 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**.

## 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 4.5.11 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.

## 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).

Issue #	Summary
	<p>Known third-party browser issues</p> <p>Some browser issues can effect 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>
21801	<p>When performing an upgrade on servers running 32 bit RHEL 5 or FC 5, the installer may encounter a segmentation fault. If you upgrading from 4.0.x, you are more likely to encounter this issue. No work around currently is available. Make sure you backup all configuration files before you start the upgrade!</p>
6945	<p>Safari browser issue (Beta release). Zimlets do not work in Safari.</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.</p> <p>Work around is to disable one processor.</p>
9616	<p>There is a Linux kernel bug that sets incorrect file permissions which may cause Tomcat to not start after installation/upgrade. Correct the OS permissions and then perform a zmcontrol stop/start of tomcat. This is most commonly seen on Debian.</p>
13578	<p>In 4.5, all Zimbra themes, except Steel, were changed to display the applications from tabs. Steel theme does not include the tabbed view layout. When you upgrade, client UI theme settings are not changed, but their view will be changed to show the tab view unless they are using the Steel theme.</p>
12807	<p>Mail Queue is broken on Mandriva operating system.</p>
14047	<p>The anti-spam checks will not run against mail brought in via external POP</p>
16557	<p>Creating a COS to use a particular server does not work from the administration console. Workaround: Use the CLI zmprov create COS (cc) or modify MOS (mc) to modify the zimbraMailHostPool attribute with the server ID number.</p>

## 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>.

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

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