

ZCP 7.0 (build 34607)

Zarafa Collaboration Platform

Release Notes



Zarafa

ZCP 7.0 (build 34607) Zarafa Collaboration Platform Release Notes Edition 7.0

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The Zarafa Collaboration Platform (ZCP) combines the usability of Outlook with the stability and flexibility of a Linux server. It features a rich web-interface, the Zarafa WebAccess, and provides brilliant integration options with all sorts of clients including all most popular mobile platforms.

Most components of ZCP are open source, licensed under the [AGPLv3](http://www.gnu.org/licenses/agpl-3.0.html)¹, can therefore be downloaded freely as [ZCP's Community Edition](http://www.zarafa.com/content/community)².

Several closed source components exist, most notably:

⁴ <http://creativecommons.org/licenses/by-sa/3.0/>

¹ <http://www.gnu.org/licenses/agpl-3.0.html>

² <http://www.zarafa.com/content/community>

-
- the Zarafa Windows Client providing Outlook integration,
 - the Zarafa BES Integration providing Blackberry Enterprise Server connectivity,
 - the Zarafa ADS Plugin providing Active Directory integration, and
 - the Zarafa Backup Tools.

These components, together with several advanced features for large setups and hosters, are only available in combination with a support contract as part of *ZCP's Commercial Editions*³.

Alternatively there is a wide selection of hosted ZCP offerings available worldwide.

This document, the release notes, will describe all new features and architecture changes in the ZCP.

³ <http://www.zarafa.com/content/editions>

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Introduction

The Zarafa Collaboration Platform (ZCP) is an open source software suite capable of replacing Microsoft Exchange. It's architecture is very modular, makes use of standards wherever possible, and integrates with common open source components.

This release notes will give an overview of the new features and changes in the architecture in the ZCP 7.0. The ZCP 7.0 release contains mainly backend improvements and changes.



Important

Although we, Zarafa, try our best to keep the information in these notes as accurate as possible, we withhold the right to modify this information at any time, without prior notice.

1.1. Intended Audience

These release notes are intended for endusers and system administrators responsible for installing, maintaining, and supporting the ZCP software and it's deployment.

Changes for end users

2.1. Unicode support

The largest change in ZCP 7.0 is the full support for UTF-8 (unicode) in all components. Which means ZCP can now be used in Eastern Europe, Asia and other parts of the world.

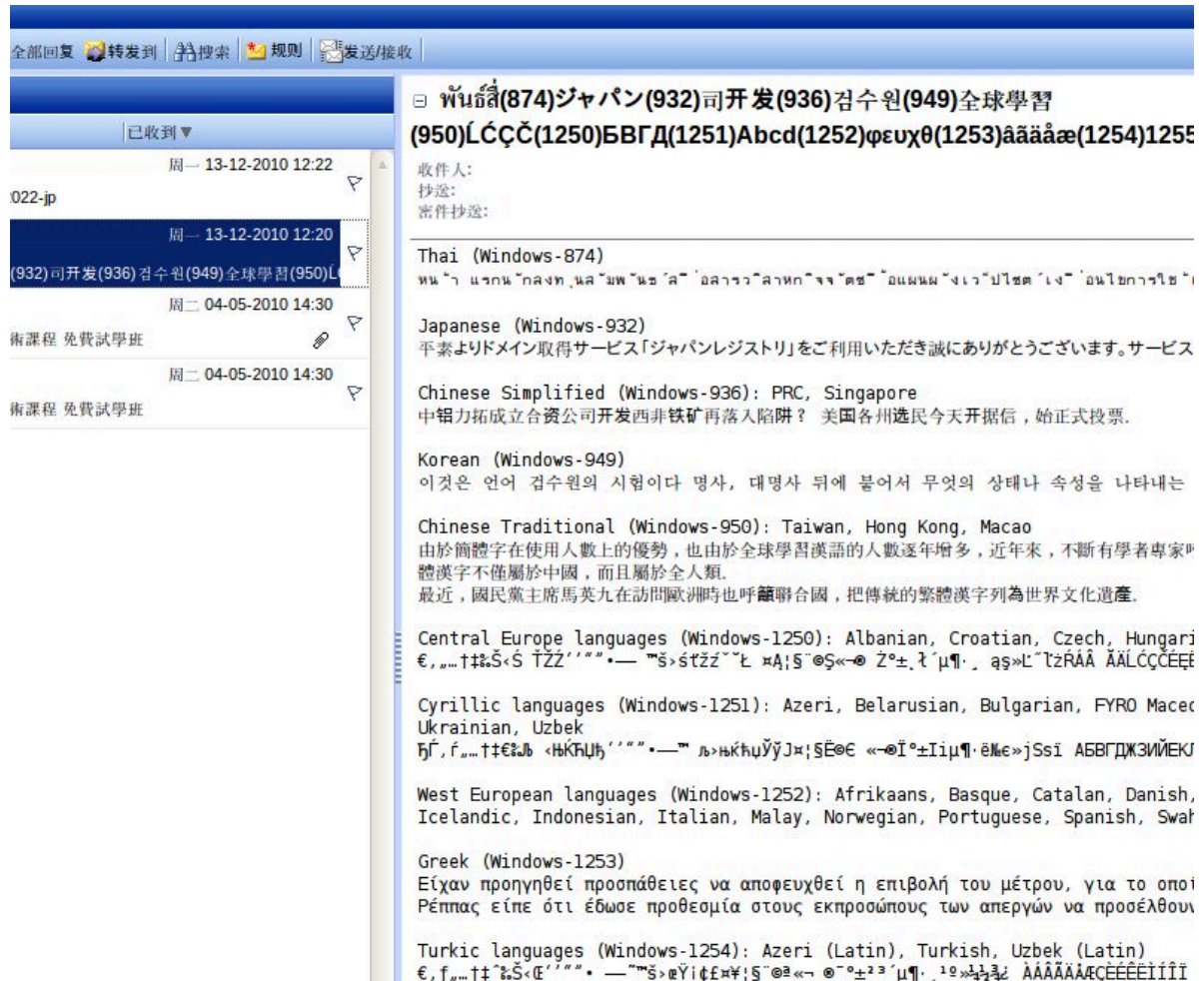


Figure 2.1. Unicode in ZCP WebAccess

2.2. Send from Openoffice

ZCP 7.0 offers an experimental direct integration with Openoffice. With the integration WebAccess users can configure the WebAccess as the default email client in Openoffice. When sending a document per email directly from Openoffice, the Zarafa WebAccess will be automatically opened and the document will be uploaded.

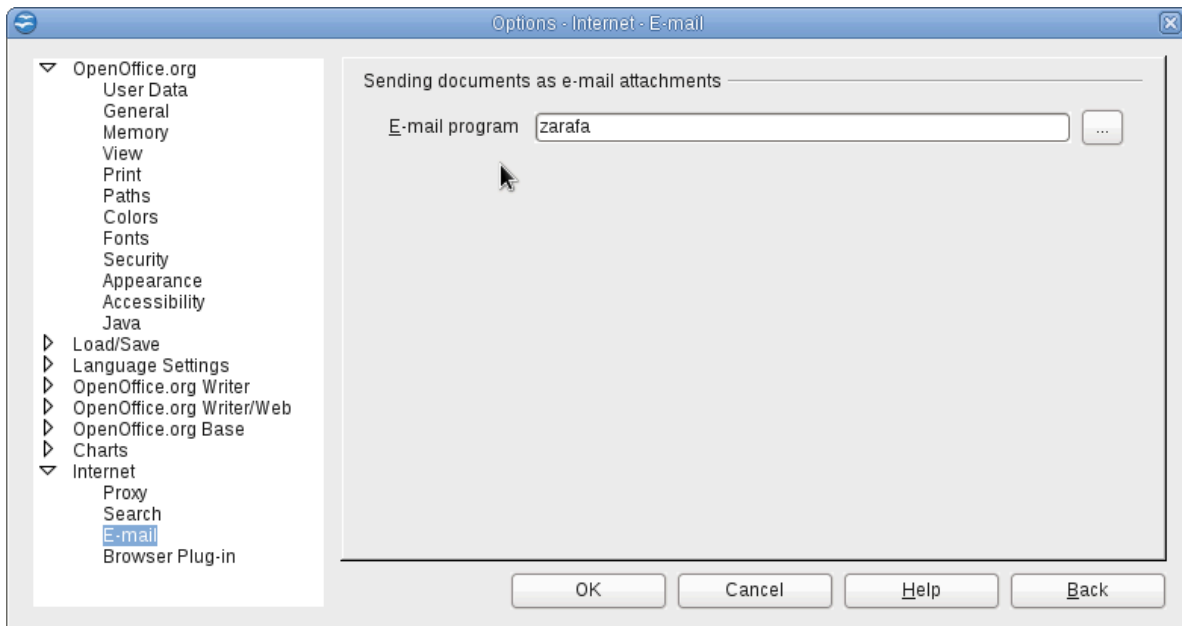


Figure 2.2. Send directly from Openoffice

To improve the usability of this feature, installers have been created for the Windows, SLES and Ubuntu desktop platforms. As the functionality also depends on other components like the open office version and its particulars it is advised to perform environment tests before general usage. The integration may be downloaded at <http://download.zarafa.com/community/final/Plugins/>

2.3. Outlook changes

The ZCP 7.0 release doesn't contain any new Outlook features, except for the UTF-8 support in the Zarafa Windows Client.

2.4. WebAccess changes

The Zarafa WebAccess is extended with the option to add items from the mailbox to a new email, which is also called message in message.

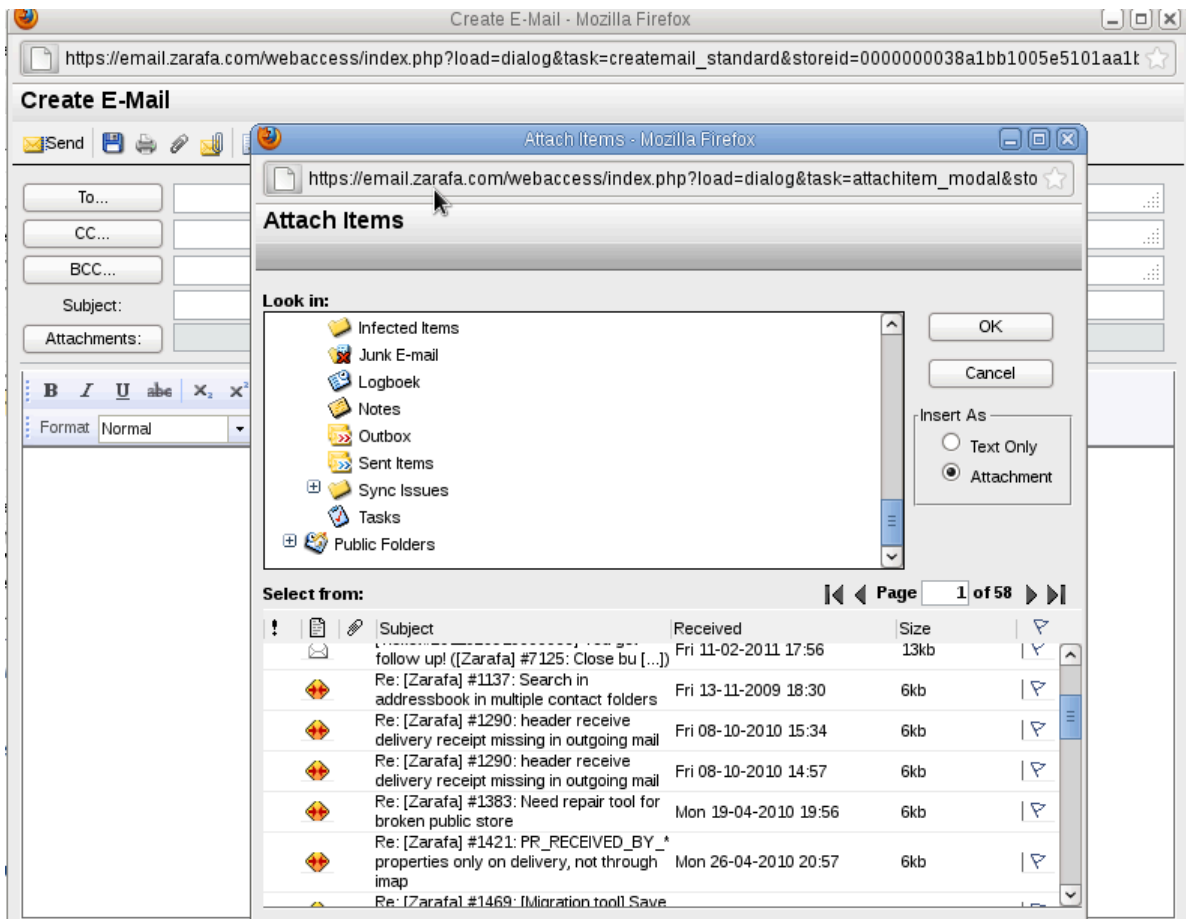


Figure 2.3. Message in message feature

Changes for Administrators

3.1. New packaging layout

To make it easier for Administrators to deploy specific components of ZCP on the servers, the packaging layout is changed in ZCP 7.0. The new packaging layout is displayed in the following table:

Table 3.1. Package layout

Package name	Description
php-mapi	Contains the php-mapi extension
python-mapi	Contains the Python MAPI bindings for Zarafa
python-zcp-license	Contains the python licensed bindings for zarafa
zarafa	Can be used to install the complete ZCP stack on a server
zarafa-backup	Contains the zarafa backup and restore tools
zarafa-client	Contains the MAPI provider for the MAPI clients
zarafa-dagent	Contains the delivery dagent
zarafa-gateway	Contains the POP3/IMAP gateway
zarafa-ical	Contains the iCAL/Caldav gateway
zarafa-libarchiver	Contains the de-stubbing library for the Zarafa Archiver
zarafa-libs	Contains the conversion libraries for email and calendaring
zarafa-licensed	Contains the non opensource binaries and config files
zarafa-indexer	Contains the full text search engine
zarafa-monitor	Contains the quota monitor
zarafa-multiserver	Contains the multi-server libraries
zarafa-server	Contains the backend server and configuration files
zarafa-spooler	Contains the spooler
zarafa-utils	Contains the administration tools, like zarafa-admin and zarafa-fsck

Package name	Description
zarafa-backup	Contains the Bricklevel backup tool
zarafa-webaccess	Contains the WebAccess
zarafa-webaccess-mobile	Contains the mobile WebAccess
zarafa-webaccess-muc	Contains the multi-user calendar for WebAccess
zarafa-archiver-extra	Contains additional licensed archiver tools

3.2. Unicode backend support

All ZCP components are UTF-8 (unicode) compatible in ZCP 7.0. Unicode offers support for 109000 characters and is expressed in most of the world's writing systems. Not only folders and items with unicode characters can be used, but also user information can be created in UTF8.

```
zarafa-admin -c "XXXXXXXXXX" -P -f "XXXXXXXXXX" -e john@example.jp
```

Zarafa offers an upgrade procedure for existing users of ZCP. Please check the [Administrator Manual](#)¹ for more information about upgrading an existing ZCP installation.

3.3. Improved IMAP gateway

To offer a better compatibility for users with generic IMAP clients like Mac Mail and Thunderbird, the Zarafa Gateway is rewritten in ZCP 7.0. The new IMAP gateway offers a new configuration option to store more message information, like the envelope information, bodystructure and whole RFC822 message. By storing this extra information, the gateway doesn't have to do a conversions from MAPI to RFC822, which will speed up the gateway tremendously.



Important

The optimized storage will always be used when users have access to the IMAP/POP3. By default these services are disabled, so no extra storage is used after the upgrade to ZCP 7.0. Please read [Section 3.11, "User access control"](#) for more information about enabling the IMAP/POP3 service per user or globally for all users.

Not only a major speed improvement is realised with this option, but also the following issues will be solved:

- Support for PGP/mime emails
- Support for s/mime encrypted emails
- All message headers can be retrieved

The gateway is also extended with the following capabilities:

¹ http://doc.zarafa.com/trunk/Administrator_Manual/en-US/html-single/

- Quota support: to view your mailbox size and quota in your IMAP client
- UIDplus support: to reduce the amount of time and resources used by some client operations

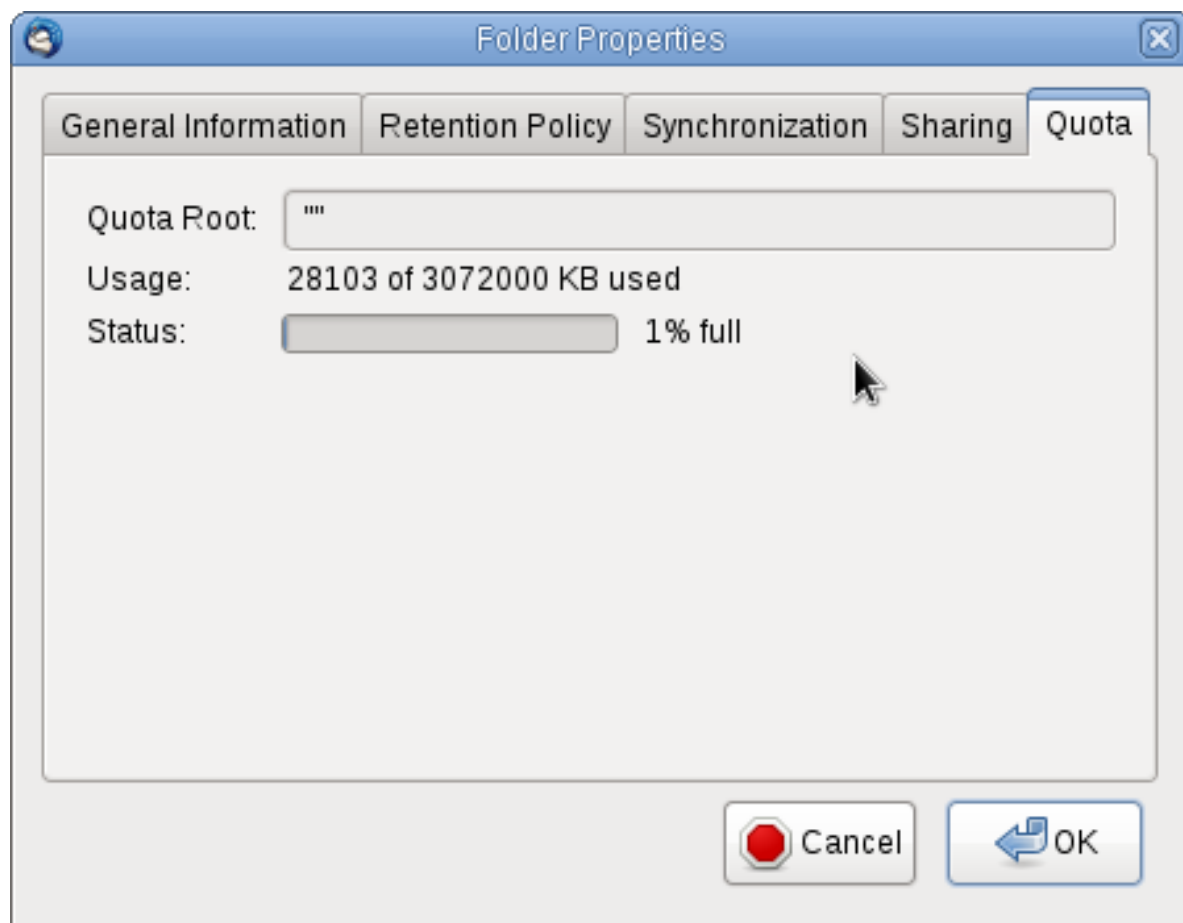


Figure 3.1. Mailbox quota visible in IMAP

3.4. IO improvements

ZCP 7.0 has some major database changes to realise a higher IO performance and support more concurrent users on a single Zarafa Server.

The largest database architecture changes in the introduction on a new table called **tproperties**. This table will contain all mapi properties which will be displayed when opening view in the client, for example the calendar week view or the inbox view.

During the upgrade process this table will be filled with all required mapi properties of existing data. In large email environments this process can take some time.

All other mapi properties like bodies, headers are still stored in the properties table.

For upgrading previous Zarafa versions and database conversions, please read the upgrade section of these release notes.

3.5. Python MAPI binding

The Python language binding provides a python interface to the messaging API used by Zarafa, MAPI. The original interface is an object-oriented C++ interface, and the interfaces provided to Python are designed to be completely analogous to the C++ interface. Various tools and utilities can be created using these interfaces, allowing for interfacing, extention and custom applications.

```
>>>admin = store.QueryInterface(IID_IExchangeManageStore)
>>>userEntryID = admin.CreateStoreEntryID('', username, 0)
>>>return session.OpenMsgStore(0, userEntryID, None, MDB_WRITE | MDB_NO_DIALOG)
```

For more information and code examples of the Python MAPI binding, see the [developer documentation](#)².

3.6. New Zarafa-admin changes

The Zarafa-admin tool could already list orphan mailbox and hook an orphan mailbox to a user. In ZCP 7.0 it's also possible to unhook a store of a user.

```
zarafa-admin --unhook-store <username>
```

To publish the zarafa cache statistics to terminal and replacing the former SIGUSR1 signal, the statistics can now only be displayed by using:

```
zarafa-stats --system
```

The use of the SIGUSR2 signal was removed in favor of a new command in line with other administrative command structures, to clear the internal zarafa cache issue the command.

```
zarafa-admin --clear-cache
```

The new performance improvements in ZCP 7.0 will introduce a deferred updates table, which contains items before they are actually written to the properties table. To purge this deferred table manually, the zarafa-admin tool can be executed with the following option.

```
zarafa-admin --purge-deferred
```

To get an easy overview of available and used subscriptions, the zarafa-admin is extended with the following option.

```
zarafa-admin --user-count
```

To force a full resync of an Outlook caching mode profile, the zarafa-admin is extended with the following option.

```
zarafa-admin --force-resync <username>
```

After executing this command all items on the server for this user will be downloaded again in the caching mode profile.

3.7. Lucene indexer improvements

The Zarafa server's Lucene indexer was extended to support search in Public stores and delegate stores. Using this improvements the content is pre-indexed and searching these folders does not directly impact the database, allowing for searches on folders with much content. Also the speed

² http://doc.zarafa.com/trunk/Python_Language_Binding/en-US/html-single

of indexing process of attachments is improved, and allows for exclusions of specified MIME and extension attachment types.

3.8. Zarafa-dagent debug option

The Zarafa dagent is extended with a debug option. When enabling the option the raw RFC822 email file of all incoming is stored in the specified directory. When the delivery fails or the email has a strange format after the delivery, Zarafa Support will ask often for raw email files to further debug the issue. With the option saving the raw emails files will be much easier. To use the option add the following options in the **dagent . cfg**.

```
log_raw_message = yes
log_raw_message_path = /tmp
```

By default the option is disabled.

3.9. Synchronise GAB realtime

To optimise performance with large Global Address Books in ldap configurations a setting *sync_gab_realtime* is optional in **server . cfg** configuration file. When set to *yes*, zarafa will synchronize the local user list whenever a list of users is requested (eg during `zarafa-admin -l` or when opening the addressbook). This was the default for zarafa 6.40.4 and earlier versions. When setting this value to *no*, synchronization will only occur during `zarafa-admin --sync`. This is useful for setups which have large addressbooks (more than 5000 entries in the addressbook). When using the cache option, the `server.cfg` option *cache_userdetails_size* needs to have a sufficient size set, e.g. 128000000. This option is forced to *yes* when using the *db* plugin since synchronization is implicit in that case.

3.10. Security logging

To store log security details of mailbox access by others then the owner the enhanced security logging may be activated. This can be used to e.g. look for suspicious activity by users that have specific rights. The settings for this feature have been added to `server.cfg` using the parameters `audit_log_enabled`, `audit_log_method` (supporting `syslog` or `file`), the loglevel using `audit_log_level` and the `audit_log_timestamp` option.

The security logging was implemented using a 2 stage approach, storing essential information in `syslog` or `file`, and when required reading the logging with the use of a supplied log parser script.

The output is in human readable format like:

```
Allowed: Tue Mar 15 09:20:13 2011: access allowed rights=view type=folder objectid=store
\4561\IPM_SUBTREE\Inbox username=Testuser2 ownername=Testuser1
```

```
Denied: Tue Mar 15 09:20:13 2011: access denied rights=view type=folder objectid=store
\4561\IPM_SUBTREE\Inbox username=Testuser2 ownername=Testuser1
```



Note







This feature is also available in 6.40.7 and higher versions.

3.11. User access control

The ZCP user plugins are extended with user access control. At the moment the POP3 and IMAP service can be enabled or disabled per user. When the IMAP/POP3 service is enabled for the user the **extra** IMAP/POP3 data will be stored.

The following table will show when a user can use IMAP or POP3.

Table 3.2. Access control overview

	Service enabled for user	Service disabled for user	Nothing configured for user
Service listed in disable_feature in server.cfg			
Service not listed in disable_feature in server.cfg			

The `/etc/zarafa/server.cfg` has the new configuration option **disabled_features**. With this option globally imap/pop3 access can be controlled. This option can be overruled by the user plugin.

To enable imap or pop3 access for an individual user when using the **db** or **unix** plugin, use:

```
zarafa-admin -u john --enable-feature imap
zarafa-admin -u john --disable-feature pop3
```

When the **ldap** plugin is used, the access control will be stored in the attribute **zarafaEnabledFeatures** and **zarafaDisabledFeatures**. These multi-valued properties can contain any string, but only the features Zarafa knows about will actually be provided through the system. The values that can be currently used are **imap** and **pop3**.

In Active Directory the Zarafa plugin is extended with an additional tab, see the screenshot.

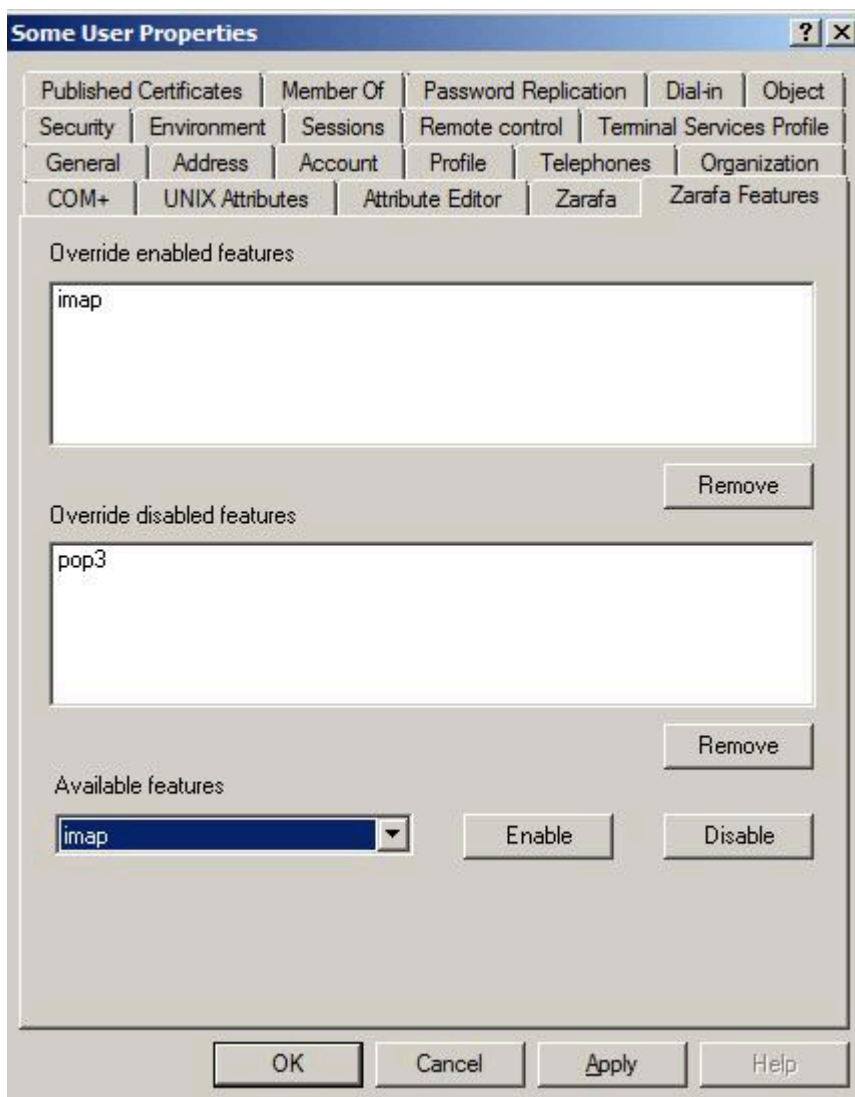


Figure 3.2. User access control from ADS

Note

Make sure a particular feature isn't listed in both `zarafaEnabledFeatures` and `zarafaDisabledFeatures`. Consistency will not be guaranteed.

Note

Later on user access control for the other components, like Outlook, WebAccess and Z-Push will be added.

Upgrading to ZCP 7.0

As described in the previous chapter ZCP 7.0 contains database architecture changes to fully support unicode and have a better IO performance to upscale the users per server.

Normally database updates are done automatically by the Zarafa server process at start time. When upgrading to ZCP 7.0 the database conversion can better be done with the provided upgrade utility. The upgrade utility provides a progress status and the upgrade is done in smaller database transactions, which is more effective for large databases.

Upgrading the Zarafa database will take a long time, please keep in mind that the Zarafa system can't be used during this upgrade. To provide some insight into the upgrade duration we created an upgrade-calculation script to run on your 6.40 installation server. The estimate is rough as we refine it on a biweekly basis using community feedback. Download the script at: <http://www.zarafa.com/upgrade>

The upgrade process to ZCP 7.0 is a large update, please read carefully the upgrade chapter in the [Administrator Manual](#)¹ before doing the upgrade.

4.1. Config file changes

The following config files changes are done between 6.40.0 and 7.0.0 Please review these lines for their values and presence in your current config file set.

4.1.1. server.cfg

```
# Time (in seconds) to wait for a connection to the license server before
# terminating the request.
license_timeout = 10
```

```
# AUDIT LOG SETTINGS
# Audit logging is by default not enabled
audit_log_enabled = no
# Audit logging method (syslog, file), syslog facility is 'authpriv'
audit_log_method = syslog
# Audit logfile (for log_method = file, '-' for stderr)
audit_log_file = /var/log/zarafa/audit.log
# Audit loglevel (0=no logging, 1=full logging)
audit_log_level = 1
# Audit log timestamp - prefix each log line with timestamp in 'file' logging mode
audit_log_timestamp = 1
```

```
# Override the default MySQL socket to access mysql locally
# Works only if the mysql_host value is empty or 'localhost'
mysql_socket =
```

```
# Time (in seconds) to wait for a connection to the zarafa-indexer service
# before terminating the indexed search request.
index_services_search_timeout = 10
```

```
# Synchronize GAB users on every open of the GAB (otherwise, only on
```

¹ http://doc.zarafa.com/7.0/Administrator_Manual/en-US/html-single/

Chapter 4. Upgrading to ZCP 7.0

```
# zarafa-admin --sync)
sync_gab_realtime = yes
```

```
# Disable features for users. Default all features are enabled. This
# list is space separated. Currently valid values: imap
disabled_features =
```

4.1.2. example-msr.cfg

New example config file for the Mailbox Storage Relocator.

4.1.3. Indexer.cfg

```
# Filter out parsing of attachment which has a mimetype from this list
# Only the first part of the mime needs to be given, like 'image'.
# This field is SPACE separated
index_attachment_mime_filter =
```

```
# Filter out parsing of attachment which has an extension from this list
# (only tested if mimetype was not found on the attachment)
# This field is SPACE separated
index_attachment_extension_filter =
```

4.1.4. licensed.cfg

```
# Login to the Zarafa server using this SSL Key
sslkey_file = /etc/zarafa/ssl/licensed.pem
```

```
# The password of the SSL Key
sslkey_pass = replace-with-server-cert-password
```

4.1.5. dagent.cfg

```
# Log raw message to a file
log_raw_message = no
# Log raw messages path
log_raw_message_path = /tmp
```

Changes in 7.0.1

Automatic linking of web addresses and email addresses Web addresses and email addresses in the body of HTML emails in WebAccess will now be automatically linkified, so they are directly clickable.

Changes in 7.0.2

The ZCP 7.0.2 release has the following minor improvements.

Autoforward header in body of emails

Emails that are forwarded by the forward wizard rule will now contain an autoforwarded header. This header will show the user original sender, recipient address and will display that the email was forward by a wizard rule.

☒ **FW: Zarafa 7.0.2 - 30 days evaluation.**

Milo Oostergo <m.oostergo@zarafa.com>

To: Michael Scofield <m.scofield@zarafa.com>

From: Milo Oostergo

Sent: Fri Oct 28 16:08:42 2011

To: Milo Oostergo

Subject: FW: Zarafa 7.0.2 - 30 days evaluation.

Auto forwarded by a rule

Figure 6.1. Autoforward in forwarded emails

Changes in 7.0.3

Native support Outlook 2010

The 7.0.3 version will come with native support for Outlook 2010 in the Zarafa Windows Client. For the enhanced Outlook 2010 features it's no longer required to install the Zarafa compatibility package.



Important

The OL2010 beta compatibility package must be -deinstalled- prior to installing the 7.0.3 zarafa client.

Outlook 2010 conversation view support

The conversation view in Outlook 2010 is now supported with ZCP. This view will group emails by conversation for a better overview of all received and sent emails.

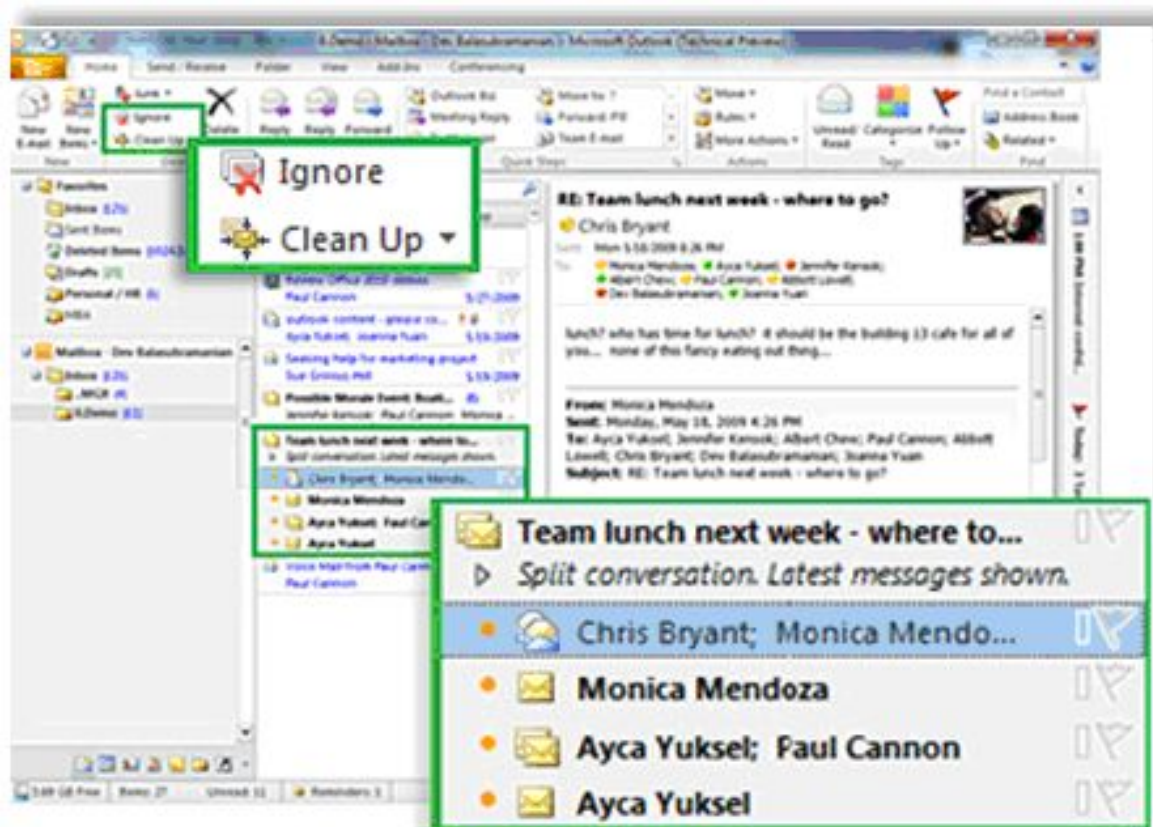


Figure 7.1. The Conversation view and options

Support forward and redirect rules in WebAccess

The Zarafa WebAccess wizard rules dialog has now support for both forward and redirect rules. With a forward rule the sender is the person who forwarded the email, where a redirect rule will keep the original sender in the from address.

Add/Edit rule

- Rule

Rule name: Support or Redirect rule

- With the following properties

From field contains: Michael

Subject contains: results

Priority: Normal

- Sent to

Contact or Distribution List: [Empty]

Sent only to me:

- Perform the following action

Move to folder

Copy to folder

Delete the message

Redirect to: [Empty]

Forward to: Sara Tancredi

Forward as Attachment to: [Empty]

Stop processing more rules

Ok Cancel

Figure 7.2. Forward and redirect rules in WebAccess

Support for inline forwarding

Microsoft Outlook offers the wizard rule to forward a email as an attachment. In ZCP 7.0.3 this rule is now supported and can also be configured in the Zarafa WebAccess.

Changes in meeting request booking

In earlier version of ZCP booking of resources was only possible by using the direct booking method. ZCP 7.0.3 is extended with support for so called "meeting request resource booking". With this new method external persons can book the resource, the capacity can be used to book the resource a limited amount of times and it's no longer necessary to have write permissions to the resource calendar.

The new feature for meeting request bookings introduces a new dependency for dAgent on PHP, and might require on split-functionality server setups that this additional package is installed.

A full description of the resource changes can be found in the [Administrator Manual](#)¹.

7.1. Configuration file changes

The **server.cfg** is extended with two new configuration options.

```
max_deferred_records
```

The server has a list of deferred writes to the tproperties table, to improve overall I/O performance. The number of deferred writes is kept below this value; setting it high will allow writes to be more efficient by grouping more writes together, but may slow down reading, and setting it low will force writes to complete directly, but speed up reading of tables.

```
max_deferred_records_folder
```

Same as the max_deferred_records variable, but per folder instead of total.

The **spooler.cfg** is extended with the following option.

```
allow_send_to_everyone
```

Setting this option to **no** will disallow sending to the **everyone** group. The entire message will be bounced if this is attempted. When the option is set to **yes**, this allows sending to all users in the **everyone** group.

The **gateway.cfg** is extended with the following option:

```
imap_store_rfc822
```

By setting this option to **no**, the imap gateway will not store the whole rfc822 message on the filesystem. This option can be used when migrating data using the zarafa-gateway, where the users won't use IMAP/POP3 after the migration.

The **ical.cfg** is extended with the following option:

```
enable_ical_get
```

This option enables the ical GET method to download an entire calendar. When set to **yes**, the GET method is enabled and allowed. If not, then calendars can only be retrieved with the CalDAV PROPFIND method, which is much more efficient. This option allows you to force the use of CalDAV which lowers load on your server.

¹ http://doc.zarafa.com/trunk/Administrator_Manual/en-US/html-single/#_resource_configuration

Changes in 7.0.4

Auto updater logging and registration

We now do more logging on the client installations and upgrade routines and these can be sent to the server as part of the auto update process. The function includes sending msi installation logs to the server and all notification of the update process is logged in the server log. Also the `zarafa-admin --details` of a user is extended and will show the client version he has currently installed and used to upgrade to when done via the auto update process. For all this logging you will need the new zarafa client to start with, from now on more logging will be done on upgrades. Please note that the auto updater service is part of the ZCP Professional edition.

Archiver 1.2 functionality

To create an archive store for a user it is now only a setting in you ldap (ADS or Open Ldap). Specify on what server the user has his "Archive store" and it will be created and linked to the user. The archive store will automatically open when the user starts outlook or logs in at the webaccess. Same for shared store with the new archive store. It will automatically open the archive store for the delegate (when opening the full store). For more info on this read the archiver manual: http://doc.zarafa.com/7.0/Archiver_Manual/en-US/html-single/ Please note that Zarafa Archiver is a separate product integrated deeply in the ZCP.

MSR improvements

The Mailbox Storage Relocator utility is primary targeted to allow store migrations between zarafa server in a multiserver cluster setup. As the usage has extended in the community the MSR was adjusted for larger setups regarding logging and conflict handling and now allows forcing source server for MSR and also supports the switching between unidirectional and bidirectional flows. To enhance the load control the setting number of worker threads is enabled.

Unable to unhook public stores (both in single and multi-tenant mode)

The usage of Zarafa in hosted environments is complemented with the option to unhook the public store using `zarafa-admin`. You can unhook a store from a user, so you can remove the store and create a new one. Use the `"-u username"` to specify the user to unhook the store from. To unhook a public store, use the `"--type group/company"` option to influence the name type in the `-u` switch. Use a companyname with type `company` or `Everyone` with type `group` to unhook the public. To unhook an archive store, use `"--type archive"`.

DB tableIndex issue in the zarafa7-upgrade python script

If you used the python script to upgrade to version 7 you will notice slower folder loading. In order to fix this you can follow the following mysql commands:

```
begin;
truncate table tproperties;
alter table tproperties drop primary key, add primary key (folderid, tag,hierarchyid,type);
INSERT IGNORE INTO deferredupdate (hierarchyid, folderid) SELECT c.id,c.parent FROM hierarchy
AS c JOIN hierarchy AS p ON c.parent = p.id AND p.type=3;
commit;
```

Then followed by another command in order to fill the `tproperties` table up again.

```
zarafa-admin --purge-deferred
```

While this can be done live, it can happen that the `purge-deferred` command fails because a deadlock occurs while someone is opening messages. If you want this to be fully smooth, it's best to do this outside of office hours or when the server is down.

8.1. Configuration file changes

The **server.cfg** is extended with new configuration options for the auto update logging and a new recommended defaults for attachment storage and performance.

```
# Where to place attachments. Value can be 'database' or 'files'
attachment_storage      = files
# Sync lifetime, removes all changes remembered for a client after x days of inactivity
sync_lifetime          = 90
# Size in bytes of the 'cell' cache (should be set as high as you can afford to set it)
cache_cell_size        = 268435456
```

```
# System is a special internal user, which has super-admin privileges
# You may want to disable this user from the Global Addressbook by setting
# this option to 'yes'. Administrators will still be able to see the user.
hide_system = yes
```

```
# Recieve update information from the client (0 = disabled, 1 = only on error, 2 = log
always)
client_update_log_level = 1
# Log location for the client auto update files
client_update_log_path = /var/log/zarafa/autoupdate
```

The **indexer.cfg** has a new default entry.

```
# Should attachments be indexed
index_attachments      = no
```

The **archiver.cfg** has additional entries for the Archiver 1.2 functionality

```
# archiver.cfg
# Specify whether an auto attached archive will be granted write permissions
# for the user it's attached to.
# Default: yes
auto_attach_writable = yes
```

```
# ARCHIVER MYSQL SETTINGS
# MySQL hostname to connect to for database access
mysql_host             = localhost
# MySQL port to connect with (usually 3306)
mysql_port             = 3306
# The user under which we connect with MySQL
mysql_user             = root
# The password for the user (leave empty for no password)
mysql_password        =
# Override the default MySQL socket to access mysql locally
# Works only if the mysql_host value is empty or 'localhost'
mysql_socket          =
# Database to connect to
mysql_database        = zarafa-archiver
```

The **ldap.propmap.cfg** has additional entries for the Archiver 1.2 functionality

```
# ldap relations to the archiver 1.2 functions for automatic archiver store mappings
# PR_EC_ARCHIVE_SERVERS
0x67C4101E            = zarafaUserArchiveServers
# PR_EC_ARCHIVE_COUPLINGS
0x67C5101E            = zarafaUserArchiveCouplings
```

The **ldap.m4** has additional entries for the Archiver 1.2 functionality

```
# Users will have a private archive store on these names servers.
# Optional, default zarafaUserArchiveServers
ldap_user_archive_servers_attribute = zarafaUserArchiveServers
# Users will have a many-to-one archive on these store:folder pairs.
# The expected result is a list of <username>:<foldername> pairs, where each
# username will be used to resolve the store in which the folder named
# foldername will be used as the archive.
# Optional, default zarafaUserArchiveCouplings
ldap_user_archive_couplings_attribute = zarafaUserArchiveCouplings
```


Changes in 7.0.5

Please review the full [changelog](#)¹ or JIRA version 7.0.5 for the extensive list of changes.

General changes

After the installation of 7.0.5 the primary key on tproperties table is changed to fix a performance issue introduced in ZCP-9130. The change will only be done on systems that are upgraded before 7.0.4 with the zarafa7-upgrade script.

The zarafa-dagent is in the 7.0.5 release enabled by default, so it will run in LMTP mode as this is the recommended delivery method.

Also the Zarafa Drag & Drop plugin is now compatible with latest Firefox 9.0.1.

Zarafa-contacts package

To support future WebApp releases, the ZCP backend is extended with a new addressbook provider. The addressbook provider will allow WebApp users to select which contact folders will be listed in the WebApp addressbook. The new provider is included in the package **zarafa-contacts**. The package will add a new directory **/etc/mapi** with the addressbook provider configuration file. It's recommended to install the new package manually during the update, on new installs the package is included by default. There are no dependencies right now on this new package.

LDAP paging support

For performance optimizations LDAP page support is introduced in the 7.0.5. When the LDAP server returns a large number of object, these objects will be returned in pages. Paging support will reduce resources on client and server and will limit lower the network usage.

```
# Default ADS MaxPageSize is 1000
ldap_page_size = 1000
```

9.1. Configuration file changes

The **server.cfg** was changed for to improved the explanation of companyquota_warn

```
# The default Warning Quota Level for multitenant public stores. Set to 0 to disable this
level.
```

The **dagent.cfg** changed the log location and timestamp

```
#change log_file in dagent.cfg to full patch instead of -.
log_file = /var/log/zarafa/dagent.log
```

```
# Log timestamp - prefix each log line with timestamp in 'file' logging mode
log_timestamp = 1
```

The **admin.cfg**

```
#New example config file for the admin.cfg for multiserver setups.
```

¹ <http://download.zarafa.com/community/final/7.0/final-changelog-7.0.txt>

The `ldap.active-directory.cfg` / `ldap.openldap.cfg` was altered

```
# Default ADS MaxPageSize is 1000.  
ldap_page_size = 1000
```

Changes in 7.0.6

Please review the full [changelog](#)¹ or JIRA version 7.0.6 for the extensive list of changes. An improvement has been added to detect and indicate non supported Outlook 2010 versions.

Zarafa-msr verify utility

ZCP 7.0.6 is extended with an verify utility to check whetever all data is successfully migrated by the **zarafa-msr**. The **zarafa-msr-verify** can be executed with the following command.

```
zarafa-msr-verify /etc/zarafa/msr.cfg
```

The verify utility will check if all folders and items are available in the source and destination store. If differences are detected, the **zarafa-msr-verify** can be started with **--correct** parameter, to resync the differences.

```
zarafa-msr-verify /etc/zarafa/msr.cfg --correct
```

LDIF schema file

As most recent distribution will ship OpenLDAP standard with a dynamic backend, the standard Zarafa LDAP schema file can't be used. The 7.0.6 will now also include a LDIF schema file for dynamic backends. This LDIF can be found in the `/usr/share/zarafa` directory.

10.1. Configuration file changes

The **server.cfg** was changed with ZCP-8518 to allow setting minimum length for prefix searches.

```
# Minimum length of a search term in characters to enable prefix searching
index_services_prefix_chars = 3
```

The **spooler.cfg** changed with ZCP-9481 to catch high chars in messages that have no charset defined.

```
# The us-ascii charset will be upgraded to this charset, to allow more
# use of high-characters. Not used when always_send_utf8 is enabled.
charset_upgrade = windows-1252
```

The **ldap.openldap.cfg** was altered with ZCP-9554 to better suite an used default of the LDAP group members relation.

```
# LDAP: uid, matching users in ldap_loginname_attribute
ldap_groupmembers_relation_attribute = uid
```

¹ <http://download.zarafa.com/community/final/7.0/final-changelog-7.0.txt>

