Funambol Version 7.1
Release Notes

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1. Introduction

This document contains the Release Notes for Funambol Community Edition Version 7.1. It is organized as follows:

•Section 2 contains an overview of the Funambol modules included in this release, and the new features introduced for each module

•Section 3 lists the bugs fixed for this release

•Section 4 contains a list of known issues and of suggested workarounds

•Section 5 details the Funambol features deprecated in this release

Version 7.1 is primarily a maintenance point release with the goal to significantly improve the overall quality of the product by fixing bugs and improvements in many area, including usability, stability, scalability/performance, installation & configuration, push, clients, error handling, email, and documentation. In addition, some new features have been added to the product; however these are smaller in scope than for a major release.

2. Components and features

2.1. Funambol components

The components of the Funambol product in Version 7.1 are:

Component	Version
Funambol Server	7.1.1
Administration Tool	7.1.0
Funambol SDK	7.1.1
Java ME Email Client	7.1.4
BlackBerry Sync Client	7.1.6
BlackBerry Email Client	7.1.4
Windows Mobile Sync Client	7.1.11
iPhone Sync Client (**)	7.1.0
Outlook Sync Client	7.1.10
iPod Sync Client	7.1.0
Symbian Sync Client (***)	7.1.14
Clients SDK	7.1.0
OX (Open-Xchange) Connector (*)	7.0.3
Exchange Connector (*)	7.0.1

(*)This component is not included in the package but is available for download from

https://www.forge.funambol.org/download/

(**) This component is not included in the package but is downloadable from the Apple AppStore

(***) New for Version 7.1

2.2. New features

This Section lists the new features that Funambol added to the product in Version 7.1. Two groups of features are identified:

•Cross-component features, which apply to multiple components.

•Single component features, listed by component. Only the components that were updated are listed.

2.2.1. Cross-component features

A major goal of the Funambol 7.1 release is to improve the overall quality of the product. The new cross-component features below highlight this effort in improving the functionality and behavior of the product in several key areas such as Full Syncs, Push, Duplication, Standards support, and more.

Support for iCalendar (aka vCalendar 2.0) standard format. This provides complete support of iCalendar to the Funambol server which previously was lacking some aspects of it. This feature is transparent to end users: the server reads the client capabilities for calendar syncing and adapts its behavior accordingly.

Full sync improvements. The Funambol version 7.1 performs full syncs in fewer circumstances and makes it less apparent to users than previous versions.

How to build documents are now included in the code for every client and server bundle. After installing the Funambol code, the How to build documents are in the root directory for each Funambol module source package.

2.2.2. Symbian Sync Client

Funambol added the Symbian Sync Client to the product. This is a software module that interfaces with the PIM datastores in Symbian-based devices to sync the data with a Funambol DS-Server. The Symbian Sync Client supports push for both server-to-client and client-to-server directions (based on TCP). It also supports scheduled synchronization with the server.

In this release the Symbian Sync Client supports devices running Symbian Series 60 3rd edition and S60 3rd edition Feature Pack 1, from Nokia and Samsung. Support for additional versions of Symbian will be introduced in subsequent releases.

2.2.3. BlackBerry Clients

A.Improved the BlackBerry Sync and Email Clients to:

◦Support BB OS 4.5 and 4.6 releases

◦View Microsoft Office attachments from the Funambol BlackBerry Email Client for BB OS Release 4.5 and later

◦Use WiFi when available instead of 3G/GPRS connectivity, with automatic switch between the two types of connections upon connection failure

B.BlackBerry devices with OS version lower than 4.2.1 are no longer supported.

C.The BlackBerry Sync Client is now able to dynamically sync pictures within contact records

D.Support for BB OS 4.7 (BlackBerry Storm) will be introduced in the near future with a subsequent point release.

2.2.4. Outlook Sync Client

Calendar Filter: added a filter that allows the user to not sync events in the past, that are older than:

•one week

•one month (default)

•three months

•six months

2.2.5. Java ME Email Client

Added the ability to send an email to an email address not saved in contacts.

Previous versions of the Java ME Email Client required the user to define and save a new contact before composing and sending a message to an address not in the address book. This feature adds the ability to simply assign an email address to a recipient, with the option to save the recipient in the address book later.

2.2.6. SDK

The Funambol SDK now includes a new additional tool named Device Simulator: this allows to quickly and easily certificate the Server, by simulating the input/output behaviour of a number of SyncML devices when running against a SyncML server.

3. Bug fixes

This Section lists the bug fixes that are included in Funambol Version 7.1 compared with the earlier versions, split by component.

3.1. Java ME Email Client bug fixes

Bug 2810: Drafts: saving a reply includes the original text in the message body

> When a user replies to a message in the inbox and then saves the message to the Drafts folder during composition of the text, the original message was saved as well as inline text. Opening the message from the Drafts folder showed not only the text typed by the user, but also the original message. This was an issue, because the experience was different before and after saving as draft. The issue has been fixed, by saving only the link to the inbox message into the drafts folder and not showing the original message text the second time the message is opened.

Bug 3838: Inbox cursor doesn't follow the email on which it's positioned when a new email is received.

> This was a usability problem with the inbox while receiving new messages. The screen would scroll up a number of positions equal to the number of new messages, but the cursor would not, ending up on a different message. The issue has been fixed by keeping the cursor on the same message, and not scrolling up the screen. The new messages are not immediately visible but are announced by the screen-top text, and the focus does not change.

Bug 4405: While viewing a message, after a delete, the next message should be displayed

> This resulted in one additional click to view the next message. The behavior of the GUI was changed to show the next message directly instead.

Bug 5119: Smaato: issue after the close of browser. Also a number of Smaato-related issues have been fixed by using a new version of the Smaato API.

> The problem was that after closing the browser that was used to view an ad, the mail client sometimes was not displaying the two soft keys which left the user no choice bu to exit the application. This has been fixed.

Bug 5299: Messages deleted from the java me email client are lost forever.

> The issue has been fixed by moving the messages to the trash folder instead of deleting them outright.

Bug 5566: Forward/Reply flags get lost

> Forwarding / replying to a message changes the message flags during the synchronization. However, flagging the message from UI was resetting the forwarded/replied flags at the next sync. This has been fixed and all flags are now independently synchronized.

Bug 5758: Character set issues in outgoing e-mails.

> Strengthened support for different charsets in outgoing emails. The issue had been found while composing and sending messages in Czech.

Bug 5779: Attachments: Open command should always appear.

> Previously an open command did not appear for types of attachments that were not supported by the browser. This lead to users not trying to open attachments that were instead supported. Now if an attachment cannot be opened the system displays an error message and comes back to the mail client screen.

Bug 5946: Mails composed in russian alphabet are received with characters substituted by question marks.

Strengthened support for different charsets in outgoing emails.

Bug 5999: Scheduled sync is performed even when push is working. This is not desirable because it impacts on battery life and data traffic.

The behavior is now the following:

◦when the push service is selected by the user, the push channel is opened by the client, with the increasing retry delay in case of failure;

◦no scheduled sync is performed when the push channel is not available;

◦no sync is performed when the push channel is restored: being the push history available on the server, if any notification is pending it will be sent by the server.

Bug 6068: the "no new messages" information should only appear for manual syncs

This is the information shown on the top of the screen after a synchronization, if no new messages have been received. It is now shown only for Previously it was shown also for scheduled syncs.

Bug 6403: Client drains battery very quickly when CTP server is down or not responding

This was due to a software bug in the code handling the error coming back from CTP transaction handler. It has been fixed.

3.2. Outlook Sync Client

Bug 2963: Error with japanese chars inside folders names

The issue was with the handling of special characters (like Japanese chars) inside folders names, while syncing the information to the database. This is fixed in Version 7.1.

Bug 6273: Client crashes due to deleted attendees

The issue was happening when an attendee had been deleted from an event leaving behind a blank attendee field. This has been fixed.

3.3. BlackBerry Clients

Bug 4731, 4732: Failed update of contact with picture on device and portal

While syncing contacts with pictures from Outlook the pictures were not getting updated in the BlackBerry Client. The same while syncing from Blackberry to portal. This is now fixed and pictures are synced correctly.

Bug 5011: BlackBerry Email Client: Auto-Start feature of the client is not working in some cases

After removing the battery or shutting down the device with the red button the Funambol mail client was not autostarting during the next device boot even if configured to do so. This is now fixed.

Bug 5834: Unexpected warning about calendar deletes

This is an issue that arises with an unexpected delete / database corruption within the BlackBerry device that occasionally may occur triggered by BIS email addresses removal. In reality the user did not delete the calendar entries, but the system acts as if that was the case. The implemented fix is for the Funambol client to check again for each entry that is marked as deleted if it is actually deleted. If not, the entry is restored and the delete command is not sent to the server. Note that, should the delete commands go ahead as required by the BB device, the user may lose the complete calendar with no possibility of restoring it.

Bug 5892: Original recurring event occurrence is not removed on the portal side when the occurrence is modified on the BB and synced back to the portal

Instead the client was creating a duplicated event with the correct information. This is now fixed and the original event is modified correctly.

3.4. iPhone Sync Client

Bug 5251: Device log not always written

> This was occurring intermittently for syncs after the first one. It has been corrected in Version 7.1.

Bug 5742: User should not be allowed to perform Cleanup without an account

> This is what happened to a user who downloaded the client and performed cleanup before signing up with the server: all her contacts were deleted. Version 7.1 of the client adds a check for a first time sync and in this case shows a warning in a pop-up window.

Bug 5972: Upgrading iphone Sync Client from 7.0.1 to 7.0.2 causes the stop of the synchronization

> This was related with the upgrade procedure. Fixed in Version 7.1.

Bug 5980: Delete of photo is not updated

> Deleting a contact photograph was not synced with the server. Fixed in Version 7.1.

Bug 6176: The iPhone Client doesn't work on HTTPS.

> The iPhone is now accepting HTTPS connection on server with trusted certificates. Self-signed certificated are still not accepted.

3.5. Other

Bug 4039: Converting from VCalendar to Calendar object model fails (PIM foundation)

> Converting various types of V-Calendar or x-calendar entries to Calendar was failing with a null pointer exception. This is now fixed in Version 7.1.

Bug 4158: All calls between ds-server/inbox-listener/ctp-server/pim-listener must be trackable

> With Version 7.1 every time the pimlistener, ox-listener, inbox-listener and ctp-server make a web service call to the ds-server, a "call id" is log into their logs. This id is the jsession id of the http session for that call, which is already tracked into the ds-server log.

Bug 4669: OTA doesn't work on SonyEricsson W910

> The message was reaching the device but without username and password and so it was useless. This was fixed in the OTA configuration for Version 7.1 and in the respective Phone Pack.

Bug 5587: Calendar invitations are not handled properly by connector

> This is part of the support of iCalendar in Version 7.1. The email connector now recognizes a calendar invitation and filters the relevant information (time, venue and description).

Bug 5866: UAM code and files have to be renamed to the new module name (Product Activation Module)

> All the references to the old name (UAM) have been changed to the new one (PAM)

Bug 5955: Search by username does not work if the result set > 25 records

> This was showing up in the administration tool: searching a user by user name would show the first 25 results in one page, but the following pages were showing all the users. Fixed in Version 7.1.

4. Known issues

This Section describes the remaining known issues that are still included with the Funambol V7.1 product. These are of lower importance, or have been partially fixed eliminating the most serious aspects of the issue. As for the bug fixes, the known issues are divided by Funambol component.

4.1. Java ME Email Client known issues

Bug 3789: Changing display name on the client does not take effect

> Changing the display name in *Settings > Account Settings* in the Java ME Email Client does not take effect, unless the user also enters an email address. Both fields are used to specify the From: field of the outgoing emails (that by default is the one stored in the server). So, only changing the display name does nothing.

Bug 4302: Samsung Upstage (Sprint, US) Inbox display - Received date or time is cut-off in the email list view

> Download your emails to the Java ME Client on this device. Looking at the email list in the Inbox page, the received date on the right-hand side is cut-off. So, for instance for 12/16 all you see is the 12/1 and a very small piece of the left side of the 6 (you cannot make out that it is a six). If it is a current day email, which shows the received time, the 'a' or 'p' for AM or PM is cut-off on the right-hand side.

Bug 4943: Email body for messages forwarded or replied to from device is truncated on the recipient's end, as is shown on the device

> Since the Funambol Email Client only downloads up to 2 kBytes of the body of messages, and the Funambol server does not retain the message, forwarding or replying to the message results in the original message being truncated to the size downloaded to the client. This is a problem that will be fixed with server improvements in a subsequent release.

Bug 5046: scheduled sync with wrong timing on some Nokia Symbian devices

> This issue has been confirmed on the Nokia E65 and 6120. If the user exits the mail client, but with a sync scheduled every hour, the first sync actually starts after 15 minutes.

Bug 5245: Browse Links option is not finding all links. Seems to be related to a link preceded by and followed by special chars, such as parentheses and brackets.

> The Java ME Email Client has a feature that parses the text of a message to extract links (URLs) embedded in the message. This allows the user to more easily launch the device browser and follow the links. One issue with this feature is that if the links are surrounded by special characters such as parenthesis or brackets, the parser does not recognize the string as a link. Will be fixed in a subsequent release.

Bug 5308: sending email brings to 'infinite' connecting time

> This happens in case the server is down: trying to send a message even though the connection has failed results in the Funambol Client trying to connect, and not abandoning the attempt. All other cases of connection refused or timed out are handled correctly, so restarting the client in this case restores operability.

Bug 6165: Resetting Inbox option makes application hang on SE C902.

> If the user resets the inbox explicitly with the Settings->General->Options->Reset Inbox commands, the JavaME Email Client hangs on the SonyEricsson C902. The application can be stopped with the red button and restarted. Will be fixed in a upcoming client pack.

Bug 6323: Wrong behavior after stopping a sync

This happens if a sync is stopped in half because of a network problem or similar occurrences. After this, deleting and reading some emails on the client, then starting a new sync (which is a fast sync) yields inconsistent results: messages that have been deleted re-appear, read flags are not correct. A full sync (reset) fixes the problem. This will be fixed in a subsequent release.

4.2. Windows Mobile Sync Client known issues

Bug 4030: On WM, sometimes sync calendar without change on device or on server.

The issue is present only when the setting mode is Push Service: after a push from the server, the client sometimes starts another sync a short time after even if no changes were made.

4.3. BlackBerry Clients known issues

Bug 4561: Blackberry ONLY: emails navigation

Navigating emails with the trackball (moving left/right to fetch previous/next) may results in skipping emails (like jumping from the first to the fourth). This may result in a lowered user experience. Will be fixed in a subsequent release.

Bug 5162: BlackBerry: open tunnel - max timeout error

Sometimes the error above occurs on BlackBerry devices, and in this case the Funambol applications (both Sync and Email Client) cannot connect. This seems to be an issue with the BlackBerry software platform. See for instance http://www.blackberryforums.com/developer-forum/107174-max-connection-open-tunnel.html.

Bug 5215: BlackBerry eEmail Client: Date / Time display on Inbox emails are not updated during time switch to/from daylight saving time if you have the device on and client open.

If the user restarts the application however, the correct date/time is picked up.

Bug 5365: BlackBerry Email Client: no scheduled sync after recharge of the device

A Funambol Email Client for BlackBerry that is configured to sync at regular intervals will stop syncing after the connection is not established in conditions of extremely low battery levels. In this case the firmware refuses the request to establish the connection to save power. Once this happens, the Funambol client will not start syncing again even if the battery is recharged. To restart regular sync, completely reboot the device (taking out the battery).

Bug 6149: A media access exception is sometimes thrown when the Email Client is installed (BlackBerry OS version 4.3.x).

This is due to the particular version of the Blackberry OS disallowing by default access to media for applications. **Workaround**: after installing the client, the user needs to go to Advanced Options > Application, select Funambol, press Edit Permissions and allow media access for the Funambol client if it is not enabled.

4.4. Outlook Sync Client known issues

Bug 6276: Outlook client message: COM pointer error

This is a problem that occasionally may happen in the Funambol Outlook Sync Client.

COM pointer errors originate in the Windows COM module, used by the Funambol Client to access Microsoft Outlook APIs and data. There could be different reasons for the error, as the COM module may be used by other applications at the same time. PLEASE TRY ALL OF THE FOLLOWING BEFORE REPORTING A BUG TO FUNAMBOL:

1.Activate the Outlook window: if a wizard window to configure your profile is shown, this is the cause of the problem. Solution: follow the wizard until the end, when your profile is configured try to sync again.

2. Check if Outlook is working correctly and not stuck. If it does not respond, close Outlook and check if the process "OUTLOOK.EXE" is still running from the Windows Task Manager (if yes, you can terminate the process from there).

3. If you have an antivirus software installed, disable it and try again: some antivirus software recognize the attempt of the Funambol Sync Client to access the Outlook application as a malicious action, so they block it.

4. If you have some other Outlook add-ins installed, disable or remove them and try again. An add-in can access Outlook in a (wrong) way that could block other applications to do the same.

5. "Google Desktop Search" and "Nokia PC Suite" may conflict with Funambol Outlook Sync Client. This doesn't happen for all the users, but you may need to uninstall them and try again. Note: any software accessing Outlook data can potential create a conflict, these 2 applications are known to do so in some cases.

6. Finally, try to reinstall Microsoft Outlook. Sometimes Outlook becomes unstable and does not work perfectly.

If ALL of the above points does not help, please send an email to Funambol, detailing:

• the exact version of Funambol Outlook Client used
• the exact version of both Microsoft Windows and Microsoft Outlook used
• a list (if possible) of any software installed on your machine
• the full log of Funambol Outlook Client (set the log level to debug)
• any other information about your system, that you consider relevant

Bug 6567: task status not synced on server

Setting the task status in Outlook (one of *Not started*, *In progress*, *Completed*, *Waiting for someone else*, *Deferred*) is not synced with the server. This is due to the fact that both the Outlook Sync Client and the server do not currently support the *status* tag. Instead, syncing the completion percentage of the task is supported.

4.5. Open-Xchange connector known issues

Bug 4029: Failed update on server of Recurrent Event (daily) for a precise number of appointments

The user creates a daily recurrent event (for instance, 4 appointments occurring every 3 days – example on 7, 10, 13, 16 of November). After syncing, the number of appointments on the server is correct, but in the recurring information the end date is listed as November 17, and there is no number of appointments.

Bug 4032: Failed update on server of Recurrent Task (weekly) for a precise number of appointments

The issue occurs with recurrent tasks, that have an end and so resolve to a precise number of entries. For instance, create a weekly task (every week) on monday and tuesday for 2 weeks (4 appointments). The server instead shows the end of the task, not the number of appointments.

Bug 4034: Failed update on server of Recurrent Task (daily) for a precise number of appointments

The issue occurs with recurrent tasks, that have an end and so resolve to a precise number of entries. For instance, create a daily task (every day) with 3 appointments. The server shows the end of the task every day, not the number of appointments.

4.6. Server known issues

Bug 4194: vCardParser does not handle lower case property names

The parser has been modified to be case-insensitive, except for the PHOTO tag. This means that, if the card includes a photograph of the contact, and the tag is for some reason in lowercase, the photograph will not be synced correctly (while the rest of the card fields will). This has been deferred to the next release since it is not a common case

Bug 4215: Wrong sync type required by the server

If the client asks for a one way sync from server and the anchors are inconsistent with this type of sync, the server replies forcing a full (slow) sync instead of a refresh from server. The same happens with one way from client. The server forces a full sync instead of a refresh from client.

Bug 5843: Synchronizing with Google plug-in disables push notifications

The Google plug-in is a community project that lets users synchronize their Gmail contacts with their desktop. However, if the same person who is using the Google plug-in also uses a mobile device with push enabled, push will be disabled the first time the plug-in is used. This is because only one push-enabled device is allowed per user, and the server considers the plug-in as a second device for the user.

Bug 6549: The server doesn't support week days recurring events

The original issue was that if the client defined a "week days" recurring event (only during working days of the week), this was stored and displayed as a normal recurring event (every day). This was fixed in 7.1 which now supports week days recurring events. What remains as an issue is that the events are not visualized in a completely correct way: the first occurrence of the week is correct, while the other ones have wrong start / end hour.

4.7. Other known issues

Bug 4725: On the device some fields of Tasks are not updated

Syncing tasks between Outlook and several types of devices results in some fields being left behind (not always the same). This is in part because the fields are not supported by the target device, and in part because of an issue supporting the Status field of a task in the Outlook Sync Client. Devices also may not show the task category, and reminder.

Bug 4746: Synclets: Nokia E61 - some contact fields are duplicated during an update

The synclet for the Nokia E61 moves some properties at the end of the VCARD and in some cases empties some properties. This will be fixed in a subsequent phone pack release.

Bug 5471: Email connector: Some deletes are getting dropped at the client during intermittent connectivity

During periods of bad connectivity some messages deleted on the server are not deleted on the device. This happens when the connectivity is bad enough for the retention period of the messages in the email connector cache to expire without a successful sync. To solve the issue, please request a full sync from the client.

Bug 6527: Symbian Sync Client: "Not synchronized" is displayed for Notes even though it has been synched

Sometimes, when a certain PIM category has not been synchronized for a while (days or weeks) the client reports that the data has never been synchronized, having lost the sync timestamp. This has been seen only on Nokia E65 Symbian devices.

5. Deprecated features

5.1. SIF-C no longer supported in Funambol clients

The Sync4j Interchange Format for Contacts (SIF-C) is no longer supported in Version 7.1 of the Funambol clients. Instead, Version 7.1 of the Funambol platform supports vCard Version 2.1 on all of the available PIM sync clients.

The Funambol server retains backward compatibility with SIF so that older versions of clients are still supported. The server automatically adjusts to the correct data format as part of the client capability negotiation when a sync is started.