

Funambol

Funambol Email Connector Quick Start Guide

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1. Introduction

The purpose of this document is to describe how to manage and administer the Email Connector (opensource version) and SyncSource component using the FunambolAdmin console.

This document is intended to be read by the administration users.

1.1. Release Notes

The opensource version you can use the "POP like" features only. You can synchronize the INBOX folder and send the email from the client (OUTBOX synchronization)

The current version of the email connector is compliant with the following clients:

- funambol-windowsmobile-plugin
- funambol-blackberry-plugin

The current version was tested with:

- Ms Exchange
-

1.2. Know Issues

- found some problem ith BlackBerry device: some BlackBerry device handle date in the following format: "Thu Feb 02 10:42:52 Europe/Amsterdam 2006"
- outbox synchronization: at the end of the outbox synchronization the message is not inserted in the Sent folder

1.3. Related Documents

The following documents are related to this design document:

[1] Sync4j Modules Development Guide

[2] Sync4j SyncServer 5.0.x Administration Guide

2. Setting Email Connector

2.1. Funambol Email Connector Installation Procedure

The Funambol Email Connector is distributed as a standard Funambol module [1]. The distribution contains the following files:

- funambol-email-connector-<major>.<minor>.<buildnumber>.s4j (the module)
- the release notes
- the readme.txt
- this guide

To install the module you have to follow this steps:

1) put the s4j file in the directory

`<installation dir>\ds-server\modules`

2) modify “install.properties” file adding “funambol-email-connector-x.x.x” to the modules list:

`modules-to-install=foundation-3.0.0,pdi-1.5,pimweb-1.1,funambol-email-x.x.x`

3) start installation modules command.

For more details about the Funambol module installation see [2].

During the installation the following steps are performed automatically:

1. the database is initialized creating the connector specific tables and registering the connector into the server.
2. the EmailOfficer.xml file is copied in the directory:

`<installation dir>\ds-server\config\funambol\server\security`

3. the Funambol.xml configuration file is updated to configure the Funambol Server to use the EmailOfficer.

Before running Funambol Server you have to put the jdbc and javamail library in the application server library folder.

For the Tomcat + Mysql installation you have to copy:

- mail.jar
- activation.jar
- mysql-connector-java-x.x.x-bin.jar

2.2. EmailOfficer Configuration Procedure

In order to complete the Funambol Email Connector installation you have to set the parameters in the file:

```
<installation dir>\ds-server\config\funambol\server\security\EmailOfficer.xml
```

This is an example of the EmailOfficer.xml file:

```
<?xml version="1.0" encoding="UTF-8"?>
<java version="1.4.0" class="java.beans.XMLDecoder">
  <object class="com.funambol.email.security.EmailOfficer">

    <void property="isSSL">
      <boolean>false</boolean>
    </void>

  </object>
</java>
```

NOTE: at the moment you have to set the protocol, port and SSL. If you change the configuration you have to restart the server.

2.3. Configuring Connector

In order to configure the Funambol Email Connector you can open the Funambol Administrator Console and browse in the following tree structure (Figure 1)

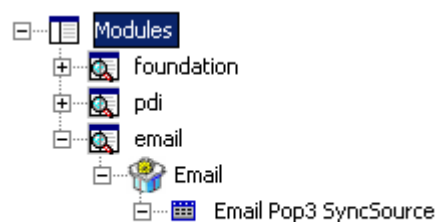


Figure 1: Connector Tree

When you point on the Email Connector item you can see the following panel (Figure 2).

BackEnd Server Configuration	
Incoming Server:	192.168.0.10
Outgoing Server:	192.168.0.10
Protocol (Officer):	pop3
Port (Officer):	110
Funambol Configuration	
Funambol DataSource:	jdbc/fnblds
Property Configuration	
Apply Filter:	<input type="checkbox"/>

Figure 2: Connector Panel

In this panel you can set the parameters like in the table below:

<i>Property</i>	<i>Description</i>
Incoming Server	Incoming mail server
Outgoing Server	Outgoing mail server
Protocol	Used Protocol by the Email Officer
Port	Used Port by the Email Officer
Funambol DataSource	Funambol Datasource. Used by the Caching system
Apply Filter	You can choose to use or not the filters

2.4. Configuring SyncSource

When you point on the Email Pop3 SyncSource item you can see the following properties:

<i>Property</i>	<i>Description</i>
Source URI	The sync source URI [i.e. “./pop3Email”].
Name	The SyncSource name. [i.e. “pop3Email”]
SSL activation	
Incoming Server Port	Default pop3: 110
Mailbox Language	En (default)
encode	DO NOT USE at the moment
Type	application/vnd.omads-email+xml
Supported Type	application/vnd.omads-email+xml
version	1.0

2.5. Enabling Log

In order to configure the logging level for the Funambol Email Connector, you have to modify the file:

```
<installation dir>\ds-server\config\sync4j\server\logging\Logging.xml
```

adding this rows:

```

<void method="add">
  <object class="com.funambol.framework.config.LoggerConfiguration">
    <void property="append">
      <boolean>true</boolean>
    </void>
    <void property="count">
      <int>1</int>
    </void>
    <void property="inherit">
      <boolean>false</boolean>
    </void>
    <void property="level">
      <string>INFO</string>
    </void>
    <void property="limit">
      <int>100</int>
    </void>
    <void property="name">
      <string>funambol.email</string>
    </void>
    <void property="pattern">
      <string>logs/syncserver.email.log</string>
    </void>
  </object>
</void>

```

This file is re-written during server installation (or module installation) so, if you don't want lost the changes, you may insert the same rows in the file:

```
<installation dir>\ds-server\default\config\common\beans\funambol\server\logging\Logging.xml
```

2.6. Funambol Connector Licensing

Funambol offers commercial support for this software.
See <http://www.funambol.com/support>.

You can also get support from the open source community.
See <http://www.funambol.com/opensource/support>.

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