

Funambol DS Server

# Quick Start Guide

*Version 3.0*  
*April 2006*



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Published by Funambol, Inc., 643 Bair Island Road, Suite 305, Redwood City, CA 94063



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## Introduction

This document is intended to get you started with the Funambol Data Synchronization (DS) Server. The Funambol DS Server software is available for download alone or bundled with the Funambol Administration Tool and a sample PDI (personal data information) application that stores contacts and calendar information on the file system. Implementing the bundled software gives you the opportunity to quickly see the product in action.

This document consists of the following sections.

- **Installation:** guides you through the installation of the bundled software; the default is to use the server running on localhost. If you wish to use a more complex configuration, remote access, or other changes, see the *Funambol DS Server Administration Guide*.
- **PIM Data Synchronization Demo:** demonstrates synchronization of PIM data (contacts and calendar) between a sample mobile client and a sample web interface to PIM data via the Funambol DS Server. For examples of synchronizing with other client applications or devices, such as the Funambol Outlook Plug-in or a SyncML-enabled phone, see the *Funambol DS Server Administration Guide*.



## Installing the Funambol DS Server Bundle

This section describes how to get a Funambol DS Server up and running for the sample synchronization.

### Obtaining the Software

The Funambol DS Server software is available in a *bundled* package that includes all the components needed for a sample synchronization. The bundle includes the following:

- Funambol DS Server
- Funambol Administration Tool
- Funambol Java GUI Plug-in and PIM Web demo
- Application server (Apache Tomcat)
- JRE 1.5.0
- JDBC-compliant database (Hypersonic)

This package is available for the convenience of those who want to quickly implement an operational synchronization server.

You can obtain the Funambol DS Server bundle from the Funambol product release website.



## Installing the Software

The installation procedure for the Windows and Linux platforms differ; use the instructions appropriate for your implementation.

### Windows

1. Run the installer.
2. Review the license agreement. To accept the terms, select the checkbox and click **Next**.
3. Accept the suggested **Destination Folder**.
4. When prompted for a **Program Group**, specify `Funambol` (if not already specified).
5. At the completion of the installation, you are given the option to view the readme file and to start the server.

If you choose to start the server, the Funambol icon (two circular arrows) appears in the system tray. The color of the icon indicates the status of the server.

- Green – the server is running.
- Red – the server is stopped.
- Yellow – the server is starting, wait for the icon to become green to access the server.

If the Funambol icon is green, you can verify the server is running by pointing a browser to `http://localhost:8080/funambol`, where a welcome page to the Funambol DS Server should display.

### Linux

1. Execute the downloaded file in a shell as follows:
2. Review the license agreement. To accept the terms, select the checkbox and click **Next**.
3. Specify a top-level directory in which to install the bundled software, which we will refer to as `<FUNAMBOL_HOME>`. If not specified, the installation defaults to `funambol`.
4. Change to the `<FUNAMBOL_HOME>` directory and start the server as follows:

```
> cd <FUNAMBOL_HOME>
> sh tools/bin/funambol.sh start
```



## PIM Data Synchronization Demo

This section demonstrates PIM data synchronization between the following:

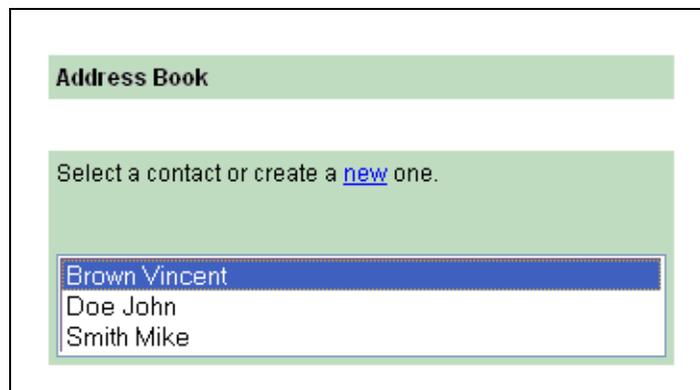
- A sample PIM client, which represents any SyncML-enabled device.
- A sample web interface for managing PIM data on a web server.

Start the Funambol DS Server if not already running (the demo assumes the server is running on localhost).

### Accessing the Web Interface for PIM Data

The contacts and events shown in this demo are stored on the server.

1. In Windows, select **Start > All Programs > Funambol > PIM Web demo**. Alternatively, you can start a web browser and accessing `http://localhost:8080/pimweb`. The following list of contacts displays:





2. Click the top name to see details about the contact. The following detailed information displays:

### Contact details

First name	<input type="text" value="Vincent"/>
Last name	<input type="text" value="Brown"/>
Company	<input type="text"/>
Job title	<input type="text" value="CEO"/>
Main Phone	<input type="text"/>
Home Phone	<input type="text"/>
Business Phone	<input type="text" value="+1 329 5864389"/>
Mobile Phone	<input type="text"/>
Fax	<input type="text"/>
Email	<input type="text" value="vbrown@mail.com"/>

3. In the left column, click **Calendars**. The following list of calendar events displays:

### Events list

Select an event or create a [new](#) one.



- 4. Click the top event to see details about the event. The following detailed information displays:

**Event details**

Description

Summary

Starting date (dd/mm/yyyy) \*  /  /

Starting time (hh:mm)  :

Ending date (dd/mm/yyyy) \*  /  /

Ending time (hh:mm)  :

Event type

Location

\* These fields are mandatory.



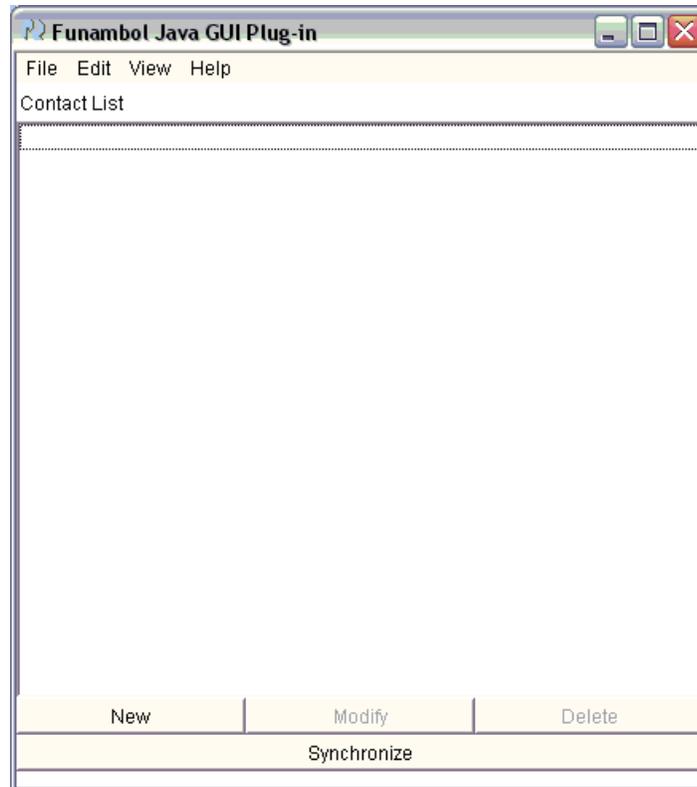
## Synchronizing with the PIM Client

1. Start the PIM client.

**Windows:** Select **Start > All Programs > Funambol > Java GUI Plug-in**

**Linux:** shell) demob.sh

The PIM client window displays without contact or calendar data.



2. Click **Synchronize** (at the bottom of the window). The client displays a series of log entries (including the line "*Returned 3 new items...*" and finally *Done*).



3. Click **OK**. The contacts that previously appeared in the web interface (stored on the server) now display in the client.



The client is now synchronized with the server.



## Changing Data and Synchronizing Again

Now we will change information on the client and synchronize again.

1. Select the first contact and click **Modify**. The Contact Modify screen displays.
2. Click **Personal**. Address and phone fields display.
3. Type the number 123-456-7890 in the **General Phone** field and click **OK**.
4. Click **Synchronize**. The client displays a series of log entries (including the line “*Detected 0 new items, 1 updated items, 0 deleted items.*” and finally *Done*). Click **OK**.
5. Open the web interface and click the top contact. Detailed information about the contact displays, including the phone number specified in step 3.

A screenshot of a web interface showing a "Contact details" form. The form has a light green background and a white border. At the top, there is a header bar with the text "Contact details". Below this, the form contains several input fields with labels to their left. The fields are: "First name" with the value "Vincent", "Last name" with the value "Brown", "Company" (empty), "Job title" with the value "CEO", "Main Phone" with the value "123-456-7890", "Home Phone" (empty), "Business Phone" with the value "+1 329 5864389", "Mobile Phone" (empty), "Fax" (empty), and "Email" with the value "vbrown@mail.com". At the bottom of the form, there are three buttons: "Back", "Update", and "Delete".

You can try additional changes, such as the following:

- Add a new contact using the web interface, then verify it displays on the client after synchronization.
- Delete a contact on the client and synchronize, then return to the web interface, refresh the contact list, and verify the contact is deleted.



## Resources

This section lists resources you may find useful.

### Related Documentation

This section lists documentation resources you may find useful.

#### Funambol DS Server Documentation

The following documents form the Funambol DS Server documentation set:

- *Funambol DS Server Administration Guide*: Read this guide to gain an understanding of installation, configuration, and administration.
- *Funambol DS Server Developer's Guide*: Read this guide to gain an understanding of how to develop extensions to the server.
- *Funambol DS Server Module Development Tutorial*: Read this tutorial to gain an understanding of how to develop, package, install, and test a module.
- *Funambol DS Server Quick Start Guide*: This document.

### Other Resources

This section lists other resources you may find useful.

- For information on Java 2 Standard Edition, visit <http://java.sun.com/j2se>.
- For information on Java 2 Enterprise Edition, visit <http://java.sun.com/j2ee>.
- For information on JBoss, visit <http://www.jboss.org>.
- For information on Apache Tomcat, visit <http://jakarta.apache.org/tomcat>.