



FUNAMBOL mobile open source

Funambol SECC Quick Start Guide

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1. Introduction

The purpose of this document is to describe how to install and use the Secure Enterprise Communication Channel (SECC) component. This component provides to possibility to install a Funambol Connector in a Hosted environment.

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

1.1. Related Documents

The following documents are related to this design document:

- [1] Funambol Modules Development Guide
- [2] Funambol SyncServer 5.x.x Administration Guide

2. Setting SECC Component

2.1. SECC Installation Procedure

The SECC component distribution contains the following files:

- secc-gate-<major>.<minor>.<buildnumber>.zip
- secc-initiator-<major>.<minor>.<buildnumber>.zip
- the release notes
- the readme.txt
- this guide

Installation of the Gate Component:

1. copy and unpack the *secc-gate-x.x.x.zip* archive in a directory (GATE_HOME)
2. copy and unpack the *secc-initiator-x.x.x.zip* archive in a directory (INITIATOR_HOME) on a machine that is on a local network with the machine having the back-end server installed.

2.2. Configuring SECC

Configuring the Gate Component:

1. in the directory GATE_HOME/bin, edit the *gate.cmd* (on Windows) or *gate.sh* (on UNIX) to match your environment

Property	Description
JAVA_HOME	path to JDK (i.e. JAVA_HOME=/opt/jdk1.5.0_07)

2. in the directory SECC_HOME/config/secc/gate, edit *SECCGate.xml*

Property	Description
s4jhUrl	Host/ip address of the Funambol Sync Server
proxyPort	port on which Gate communicates with the Funambol Sync Server
s4jhPort	port on which Gate communicates with Initiator

3. set the SECC user name and password in GATE_HOME/config/Auth.properties

Configuring the Initiator Component:

1. in the directory INITIATOR_HOME/bin, edit the *initiator.cmd* (on Windows) or *initiator.sh* (on UNIX) to match your environment

<i>Property</i>	<i>Description</i>
JAVA_HOME	path to JDK (i.e. JAVA_HOME=/opt/jdk1.5.0_07)

2. in the directory SECC_HOME/config/secc/initiator, edit *SECCInitiator.xml*

<i>Property</i>	<i>Description</i>
s4jhUrl	host of the Funambol Sync Server
s4jhPort	port on which Initiator communicates with Gate
eisServer	host of the back-end server
eisPort	port on which the back-end server (i.e. Exchange, Domino) listens for requests
initiatorLogin	user name for Gate
initiatorPassword	Password for Gate

2.3. Running SECC

1. launch Gate
2. wait for Gate to initialize
3. launch Initiator
4. wait for the connection between Initiator and gate to be established
5. configure the Funambol Connector for the back-end server, to connect to gate not directly to the back-end server

2.4. SECC Testing

Notations:

- B1: hypothesis that a NullPointerException appears in edu.oswego.cs.dl.util.concurrent.PooledExecutor.Worker.run during sync process, and the sync process fails;
- B2: hypothesis that several SocketException (socket close) appears at com.funambol.secc.s4jhost.ConnToRBeepThread.run in the sync process, but the sync process is completed successfully
- M1: machine with the Funambol3b1a Sever, Exchange Connector 3.0.2 and Gate;
- M2: machine with the Exchange2003 and Initiator;

M2 has installed a Windows 2003 Server Standard Edition operating system, and Exchange 2003. M2 is same machine in all the tests.

<i>M1's configuration</i>					
No.	Operating System	Kernel version	JDK version	Remarks	Test Result
1.	Fedora Core 4	2.6.11	1.4.2_10 1.5.0_06	M1 and M2 are connected over a local network and are not on the same subnet	B1: false B2: true
2.	Gentoo Linux	2.6.15	1.5.0_06	- M1 and M2 are connected over the Internet - M1 has a slow internet connection - On this configuration tests were performed also with Black Berry as a sync device.	- B1: false - B2: true
3.	Red Hat Linux 9	2.4.20	1.5.0_06	M1 and M2 are connected over a local network and are on the same subnet	- B1: false - B2: true
4.	Red Hat Linux 8	2.4.18	1.5.0_06	M1 and M2 are connected over a local network and are on the same subnet	- B1: false - B2: true

2.5. SECC Licensing

For information about the product license please contact sales@funambol.com.