LLRP Commander
User Guide

November 20th, 2008

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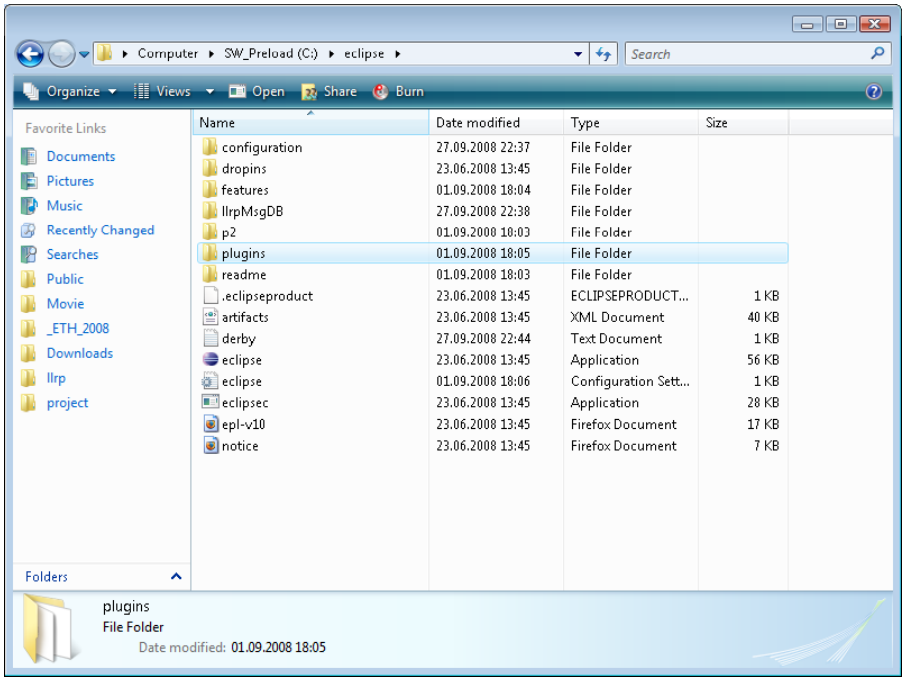
Installation

Prerequisites:

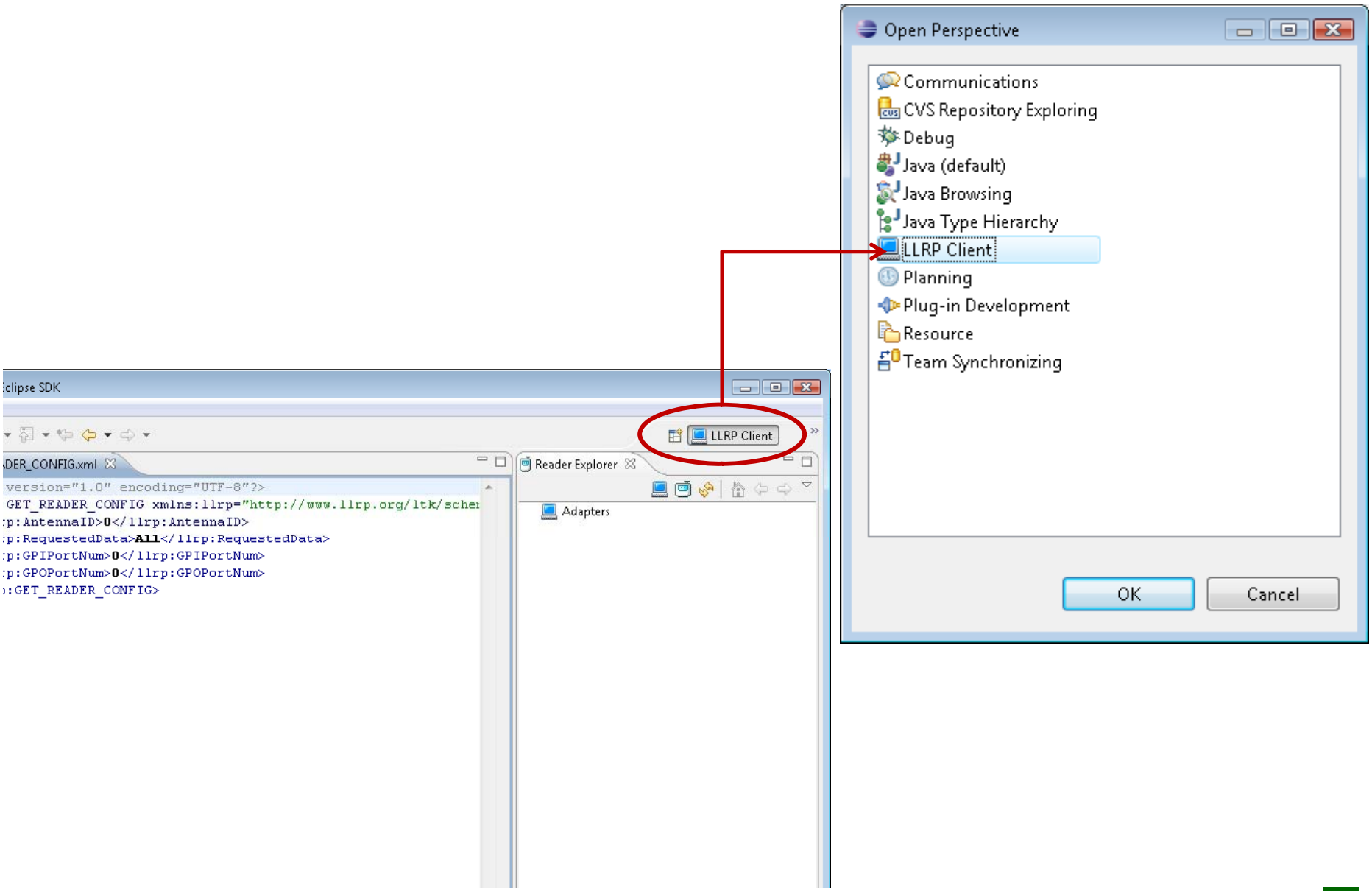
1. Java 1.5
2. Eclipse >= 3.3.0

Installation of the LLRP Commander:

1. Download **llrp_commander_<*VERSION*>.zip** from www.fosstrak.org.
2. Extract the zip file into the subfolder „plugins“ of Eclipse‘s home directory.



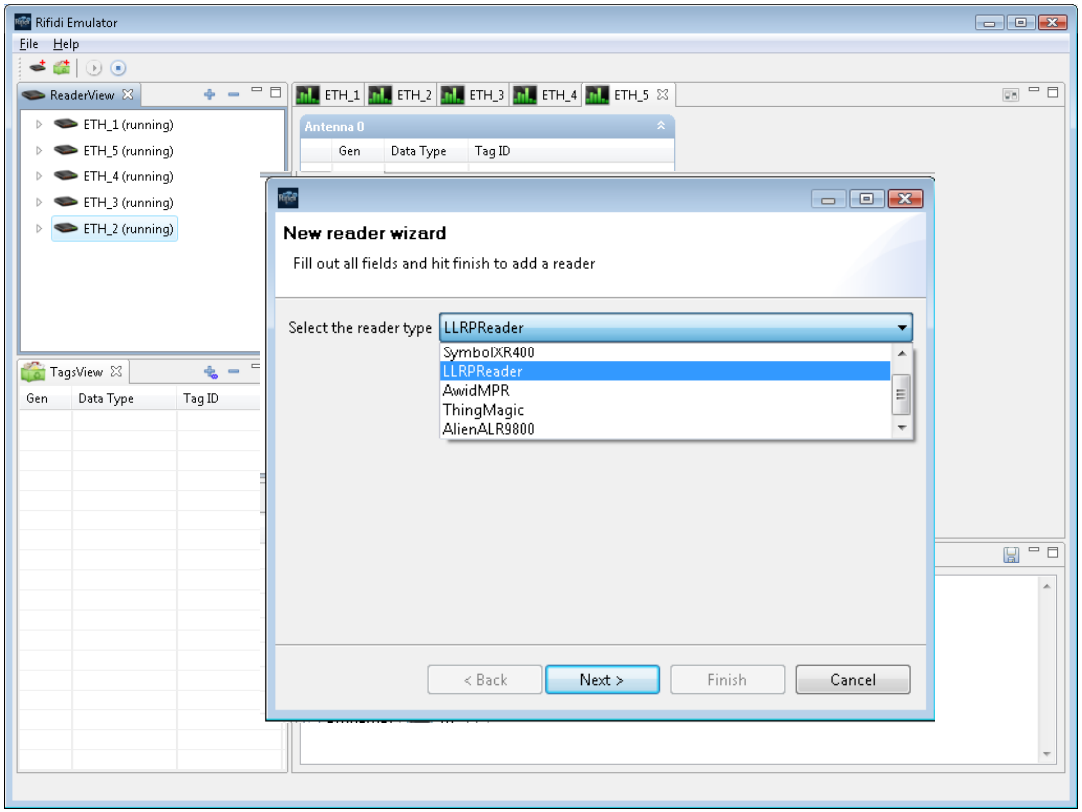
Start Eclipse and open “LLRP Commander” perspective



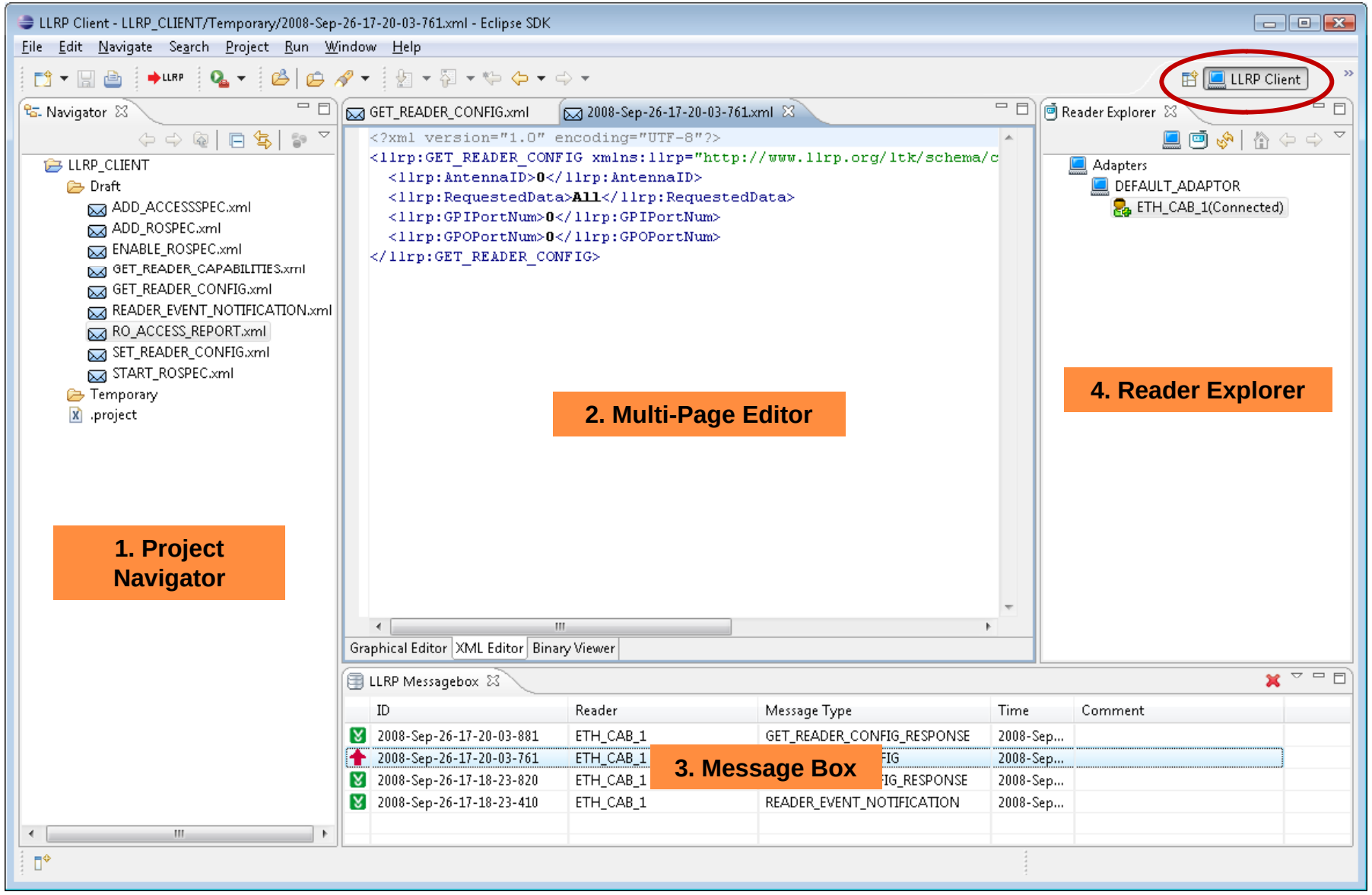
Setup Rifidi Emulator

If you don’t have a Hardware RFID Reader available, you can test the LLRP Commander with the Rifidi Software Reader:

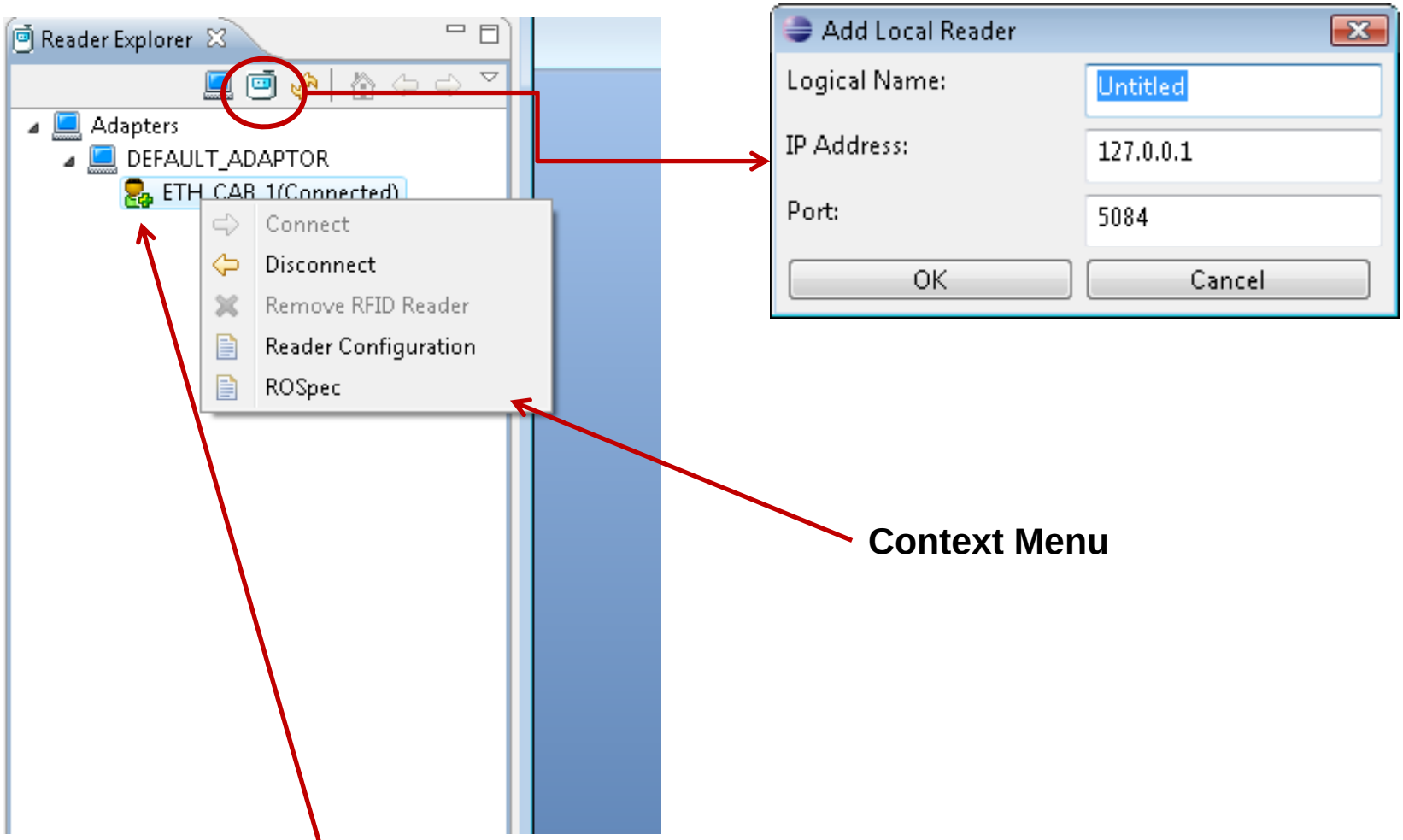
1. Setup the Rifidi Emulator via http://www.rifidi.org/
2. Create a reader of type „LLRPReader“ and set it to „running“.



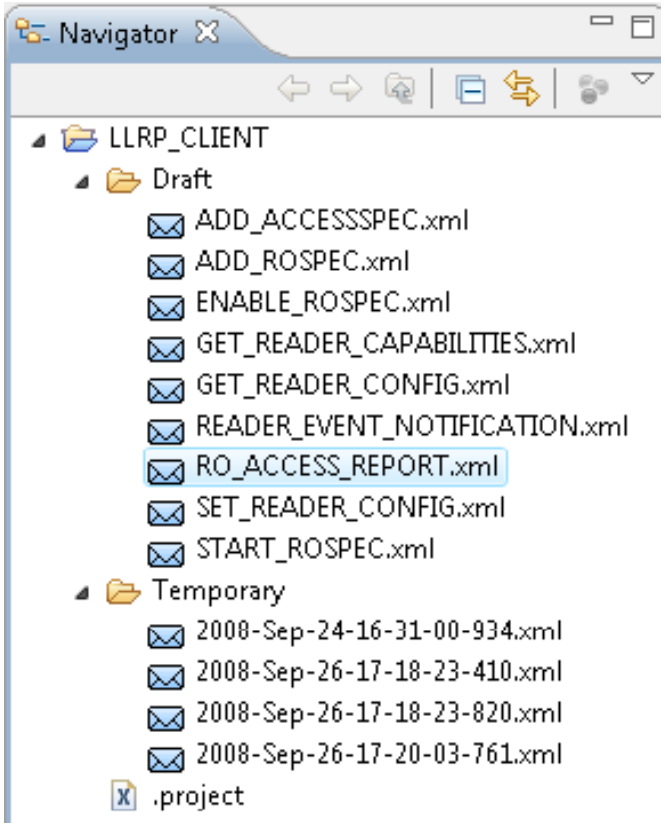
LLRP Commander Perspective



Reader Management



Project Navigator



The LLRP commander needs a Eclipse project to store editable messages. You can either define a specific project in the Preference Page, or use the default “LLRP_CMDR” project folder.

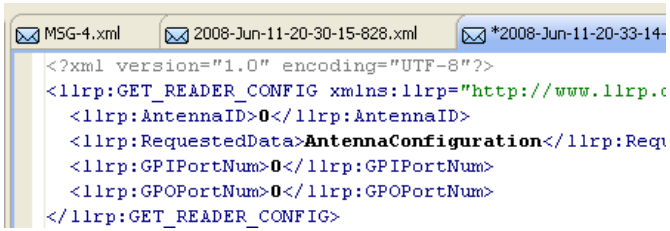
The LLRP commander automatically generates two folders for the project folder:

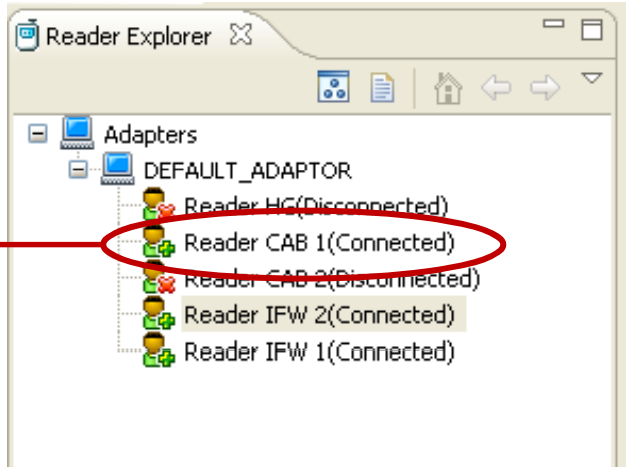
1.Draft: to hold the pre-built sample LLRP message files;
2.Temporary: to hold the incoming message files when users load them from the repository.

When you modify the files in the “**Temporary**” folder, the changes will not be written to the Repository. In addition, if you purge the JavaDB, the files under “**Temporary**” folder will not be removed.

Every time Eclipse starts up, the “Health Check” can detects whether the project exists or the folder structure is corrupted. If yes, you can easily recover it by the “Auto Fix” function.

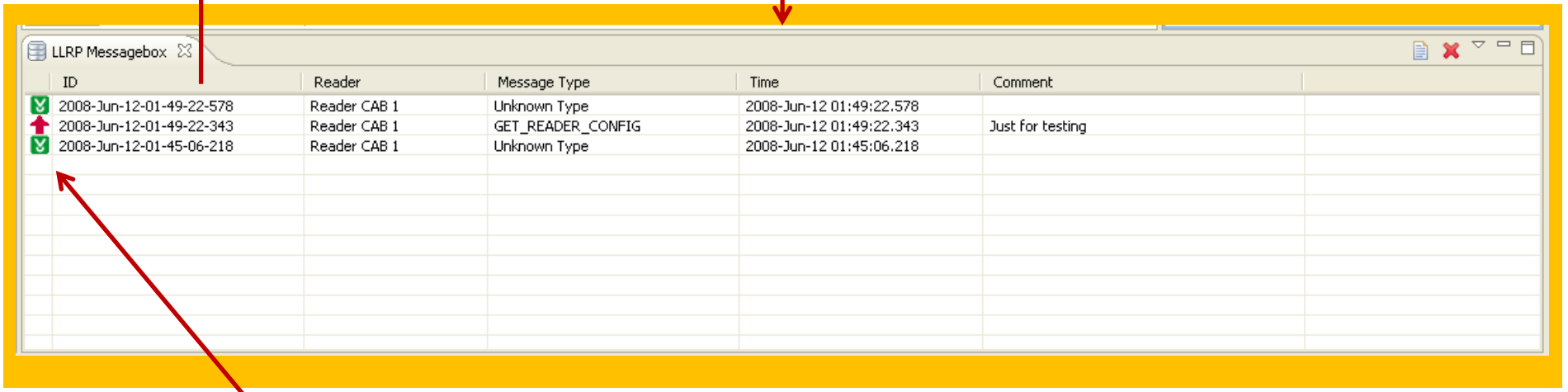
View Message History





Double-Click Message Item to load the message to editor.

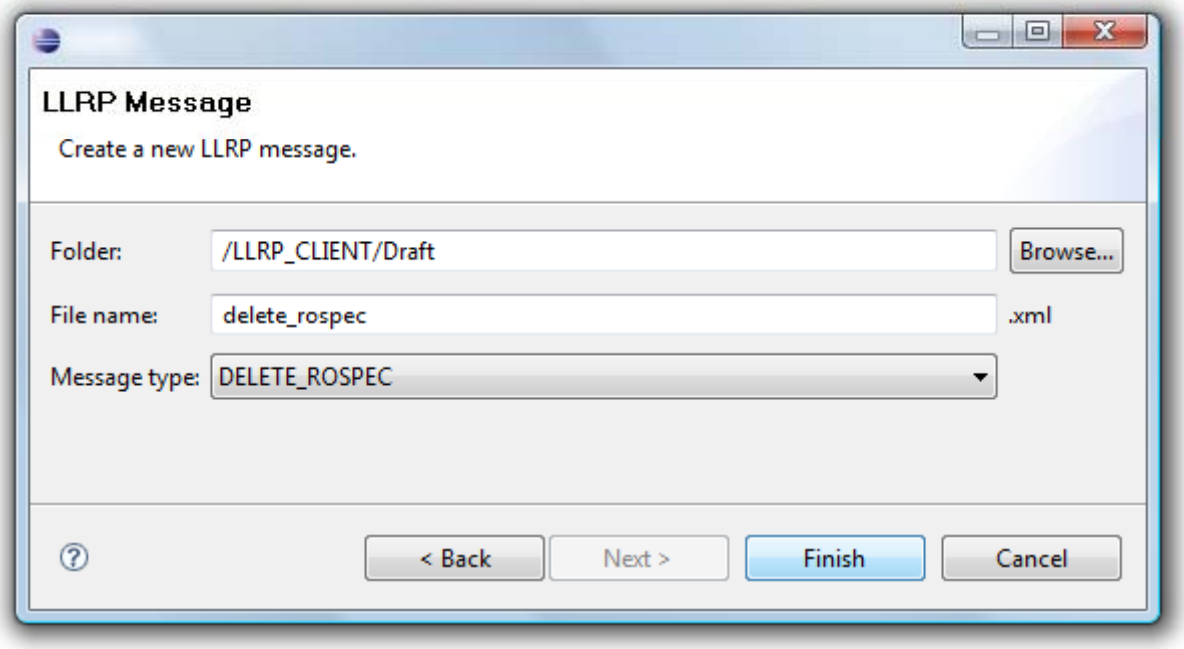
Click on a specific reader to filter the Message list.



Request/Response Indicator

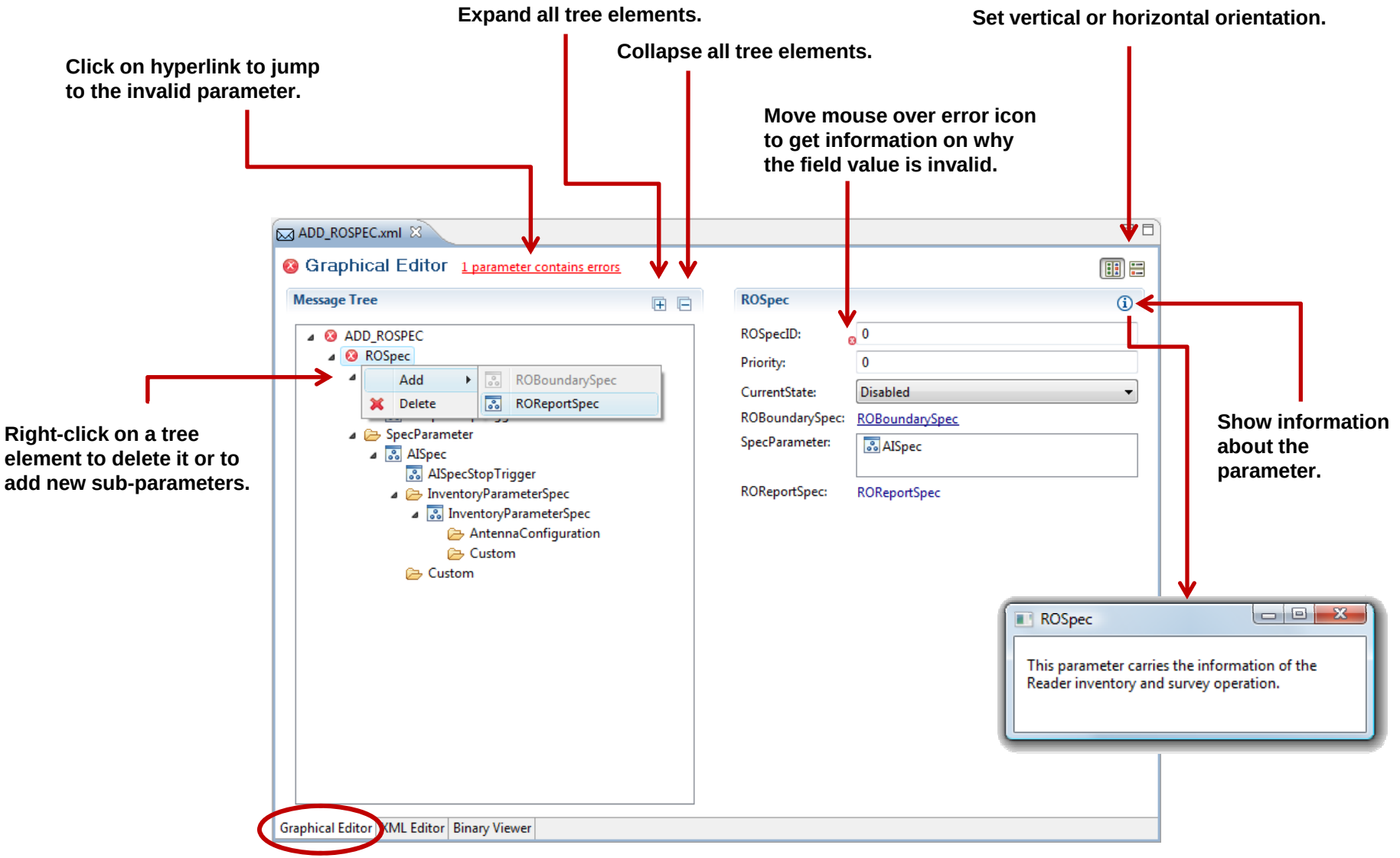
“New LLRP Message” Wizard

The “New LLRP Message” wizard assists you in creating new LLRP messages from scratch. To start the wizard choose *File/New/Other…/LLRP/LLRP Message.*

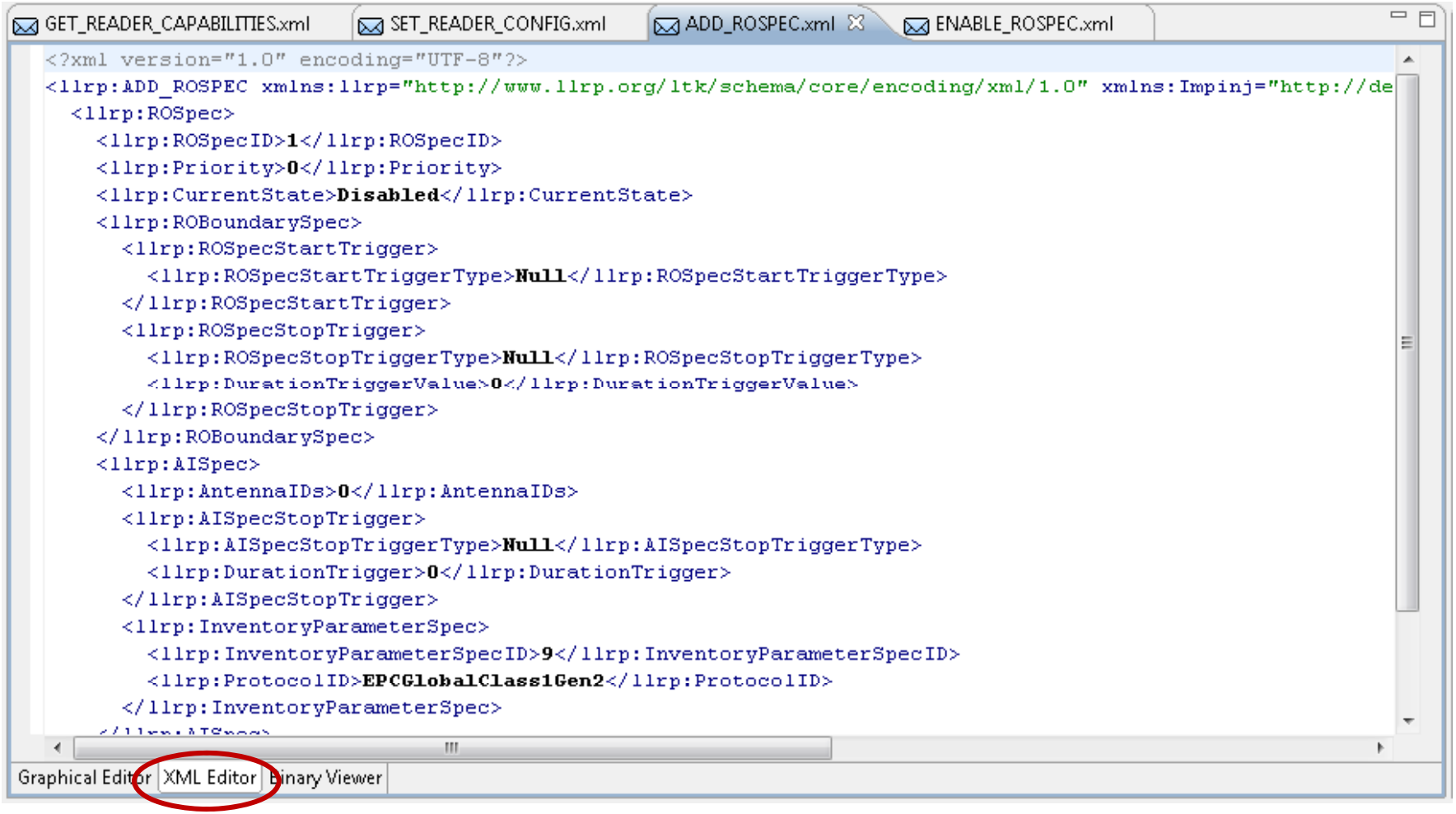


After pressing “Finish” a new message of the selected type will be created in the specified folder with the given file name. The message will have all fields initialized by default values and all mandatory parameters set. It will be automatically opened in the editor where you can adapt it to your needs.

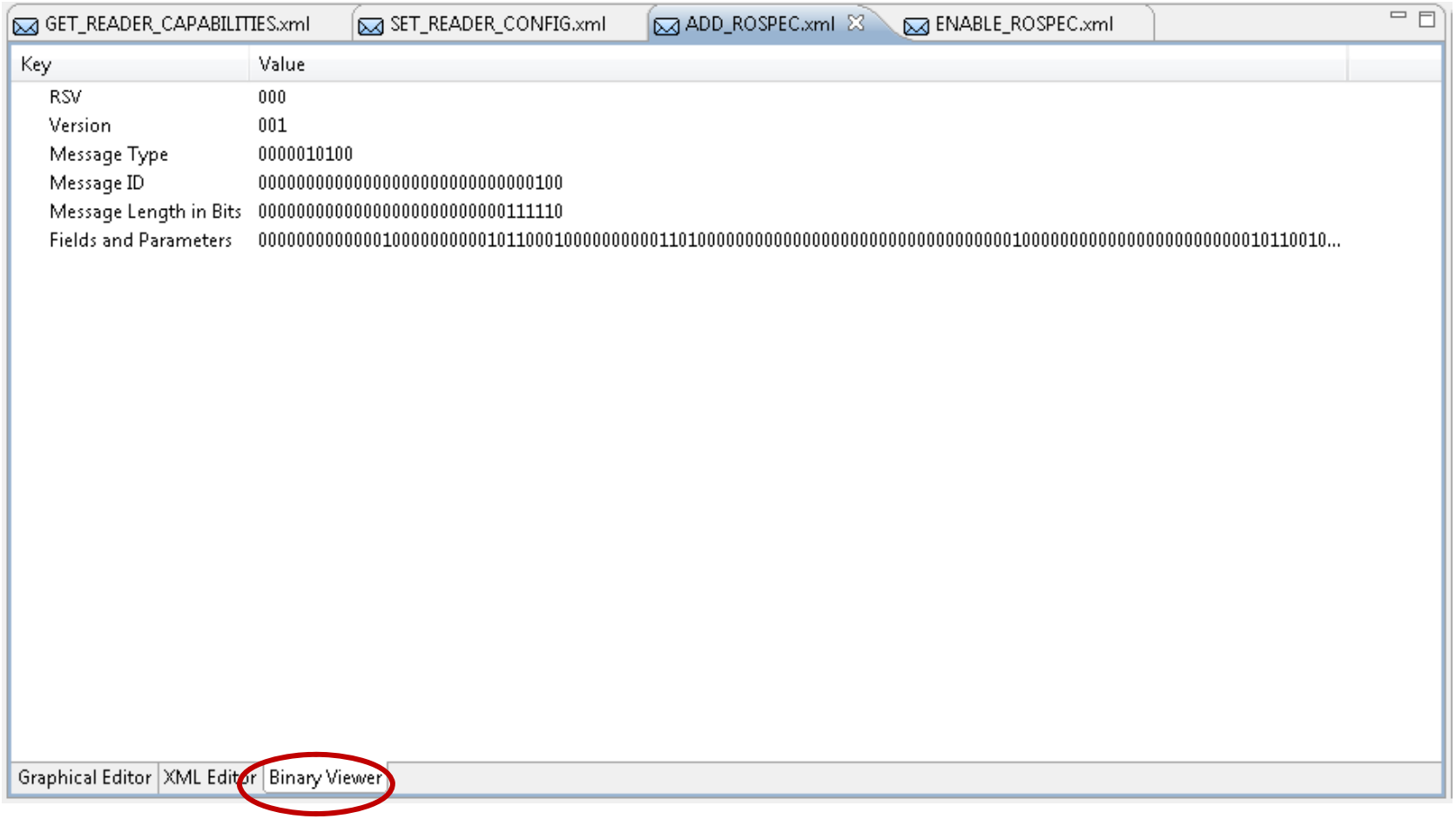
Graphical Editor



XML Message Editor



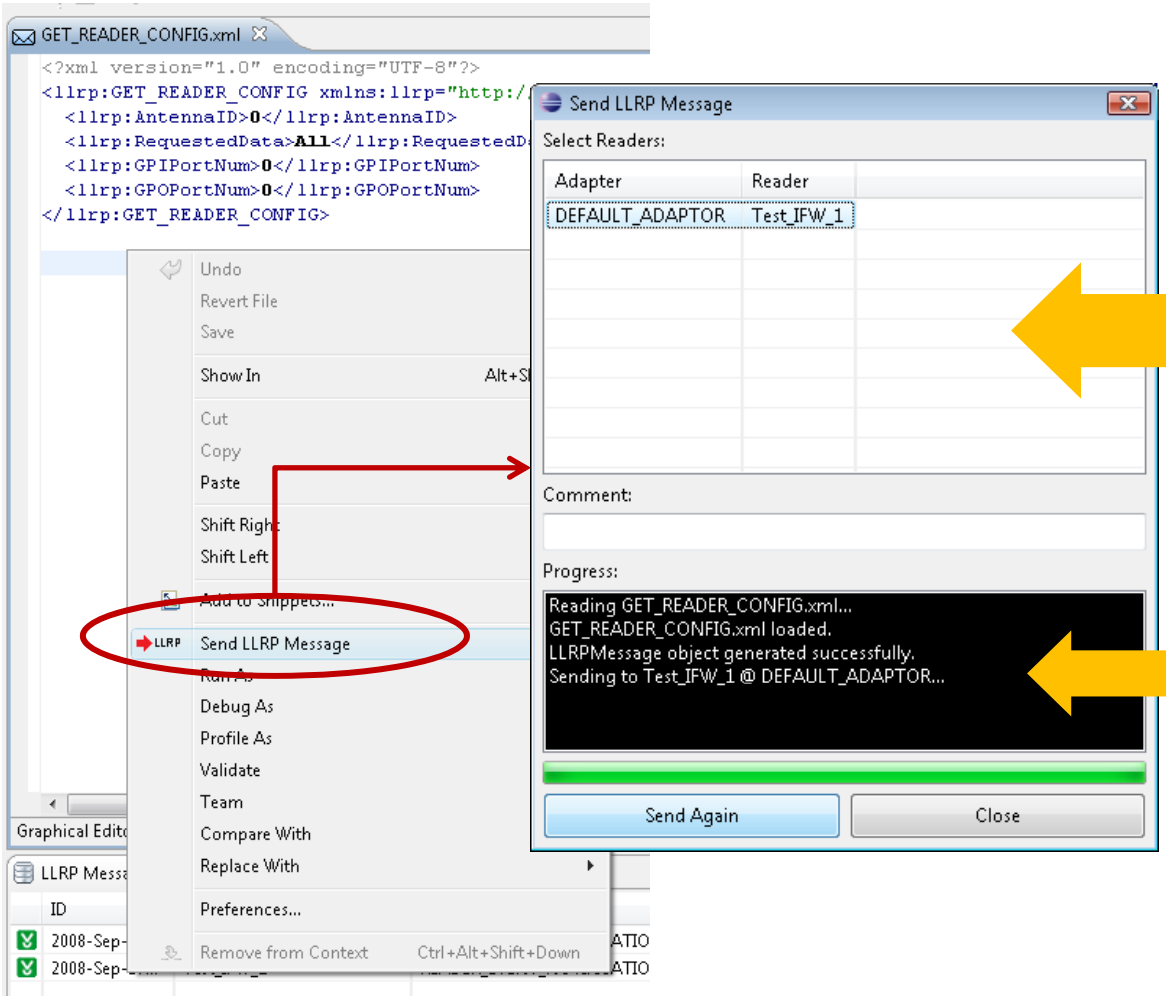
Binary Viewer



Send Messages

To send a message, proceed as follows:

1. Open the message in the editor.
2. Click on “Send LLRP Message” in the context menu of the xml editor/binary viewer or on the “Send LLRP Message” icon in the toolbar.



All connected readers are listed here. You can select multiple readers to send the message to multiple readers simultaneously.

You can see the sending progress here (Text and Percentage)