

Perdix

Perdix Mobile Synchronization protocol
User Manual
Version 1.00

Document history:

Version	Date	Author	Description
0.1	20.02.2001	Hasan Dohogu	Draft version
0.2	7.04.2001	Hasan Dohogu	Approved
1.0	24.03.2001	Hasan Dohogu	Approved

Document Owner	Perdix Project Team
Authors	Hasan Dohogu
Status	Version 1.0
Approved by	Perdix Project Team, Exidio
File location	c:/perdix/doc/deliveries/LU/MSP_UserManual.pdf
Distribution	Perdix Project Team, Exidio: Lauri Heiskanen, Kalevi Ratschunas, Software Project Course Staff
Client	Exidio Oy
Supervisor	Lauri Heiskanen

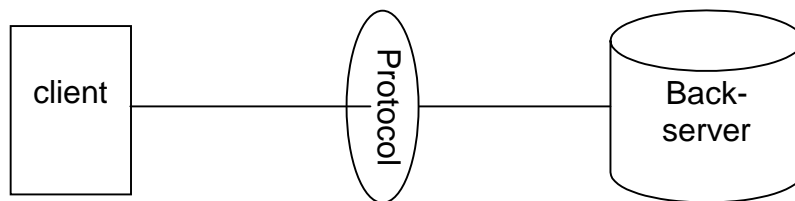
TABLE OF CONTENTS

1 INTRODUCTION	4
1.1 USERS.....	4
1.2 COMPABILITY	4
1.3 PURPOSE.....	4
2 INSTALLATION	5
3 USING THE SOFTWARE.....	5
3.1 SYNCHRONIZE	5
3.2 RE-DOWNLOAD.....	7
3.3 GET DATA	7
3.4 UPDATE	7
3.5 DELETE.....	12
3.6 SETUP.....	14
3.7 EXIT.....	15
3.8 HELP.....	15

1 Introduction

The purpose of this document is to provide some general information how the use Perdix's MSP software. It checks the software from end-user point of view, so it will be much about the client software, but some general information will be given also about the protocol engine and back-server.

MSP is generally divided to three sub-parts. From end-user point of view the client side is most important. For more information see figure below:



1.1 Users

Users of this system can be divided to two major parts: end-users and service providers. This document views the system mainly from end-user point of view.

1.2 Compability

Java 2ME is used as development programming language. This program is mainly developed for Symbian's EPOC Operating System, but it can be run in any Java compatible Operating Systems.

Also Protocol Engine and Back-server are developed using Java.

1.3 Purpose

The purpose of MSP is to provide a synchronization protocol to PDAs. Personal Device Assistants can upload the information provided by service provider to their local hard disc, read them, update them and send the updated information back to server. Server knows who else is using this information and notifies the end-user about new update. End-user can upload the information to him/her PDA.

2 Installation

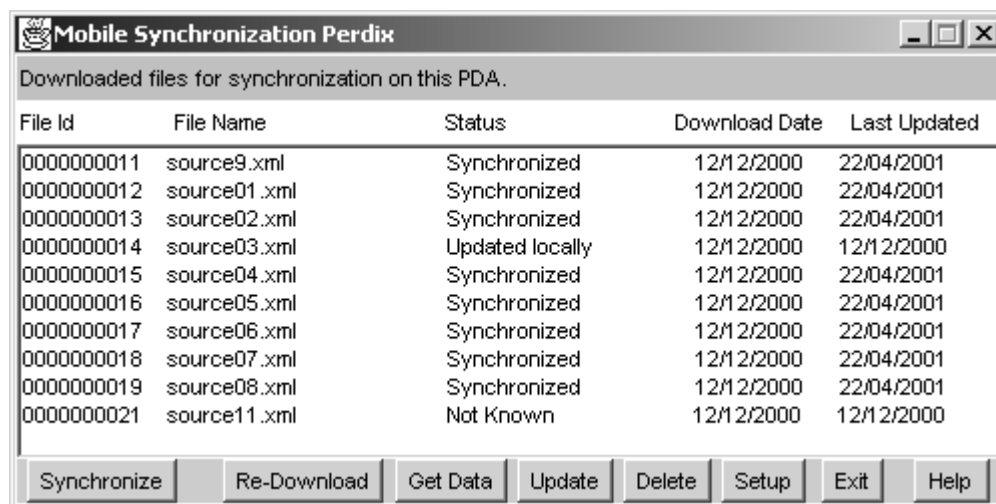
The software is delivered in Zip-files. Use Winzip or Zip to unzip it. We recommend to put the Perdix directory to your root (e.g. c:\perdix). To run the client software double click the perdix.bat.

You have to install Java 2ME before running MSP.

3 Using the software

MSP is designed to be a easy to use software. Now go though the software window by window and explain what is happening.

When you start the MSP, you get the main window:



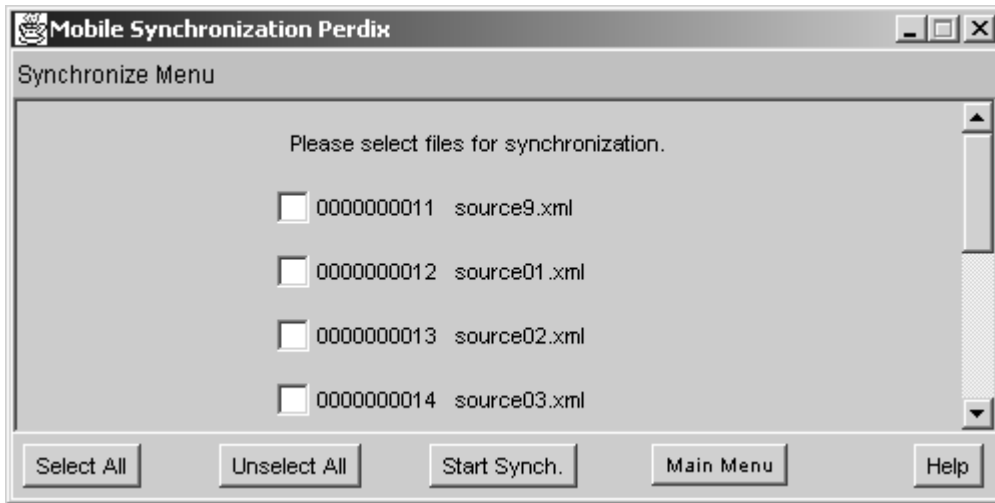
In this window you can see the current situation of files in your PDA. FileID is the unique identification number of the file. It is given by server. File Name is the name of file given by file's creator. In Status column you can see the current status of your files. In Download Date column you see when did you download the file first time and in Last Updated column, you see the date when you updated the file last time.

In the bottom of page there are buttons for all necessary functions.

3.1 Synchronize

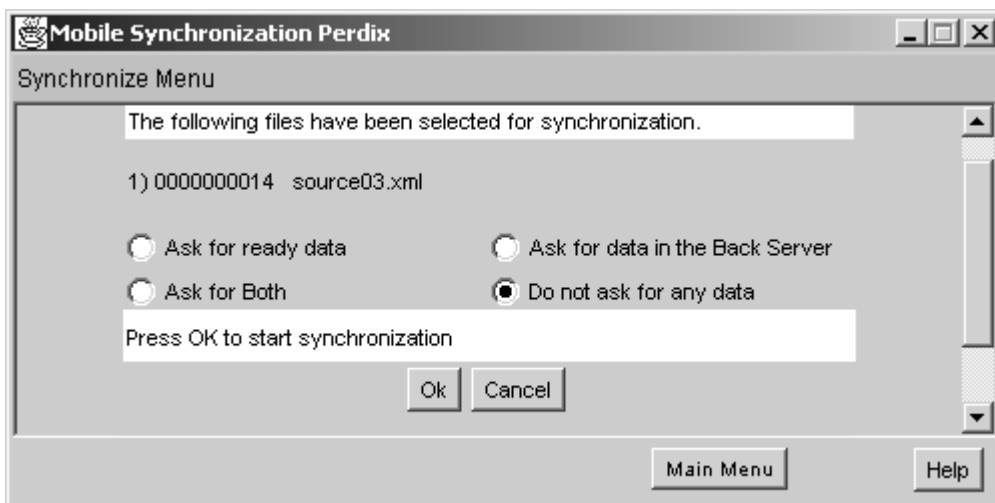
By pressing Synchronize button you will be able to make synchronization. Following window appears after the button is pressed:





As you can see from the window above, MSP asks you to choose the file(s) you want to synchronize. You can select an individual file or select all documents. You can also unselect your selection.

You can go back to Main Menu or have help. "Start Synch" starts synchronization. Following window appears in this case:



In this window you can see a list of select files and 4 different options for synchronization. When you do synchronization, you have possibility to ask for data assigned for you in Protocol Engine of Back-server. Information you have asked before from server is made ready for download and it is kept on Protocol Engine.

1. Ask for ready data: Uploads the prepared data from protocol engine.
2. Ask for data in Back Server: Asks server to check is there any assigned document.

3. Ask for Both: Does both options 1 and 2.
4. Do not ask for any data: Only makes the synchronization for selected files.

Choose of option and press OK.

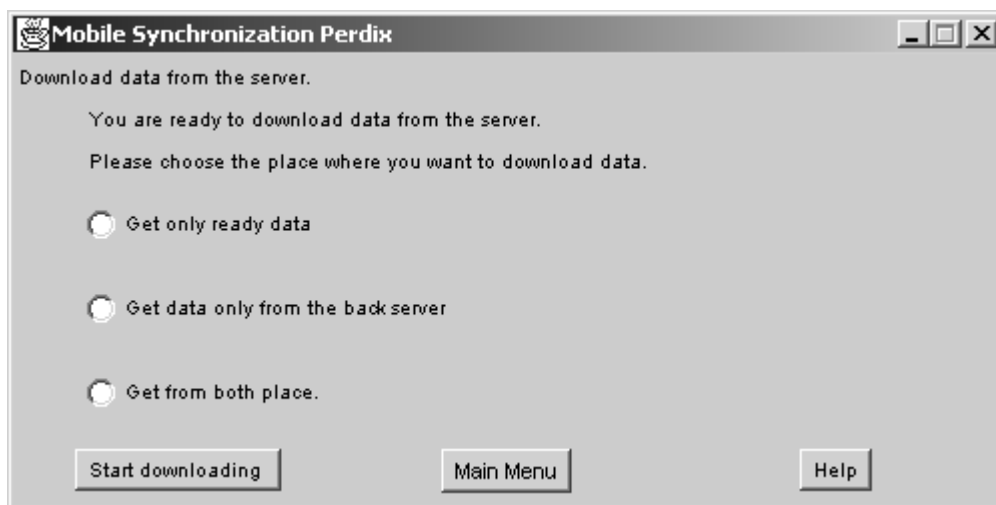
3.2 Re-download

From User Interface point of view Re-download doesn't differ from synchronize. The only difference is functionality. In Synchronize you send the updated document to the server, but in Re-download you ask server to send the latest version of the document to you.

3.3 Get Data

We discussed about Get Data functionality before. It can be done during synchronization or re-downloading, but it can also be done separately.

Get Data window is as following:



Here you just select the option and press “start downloading”.

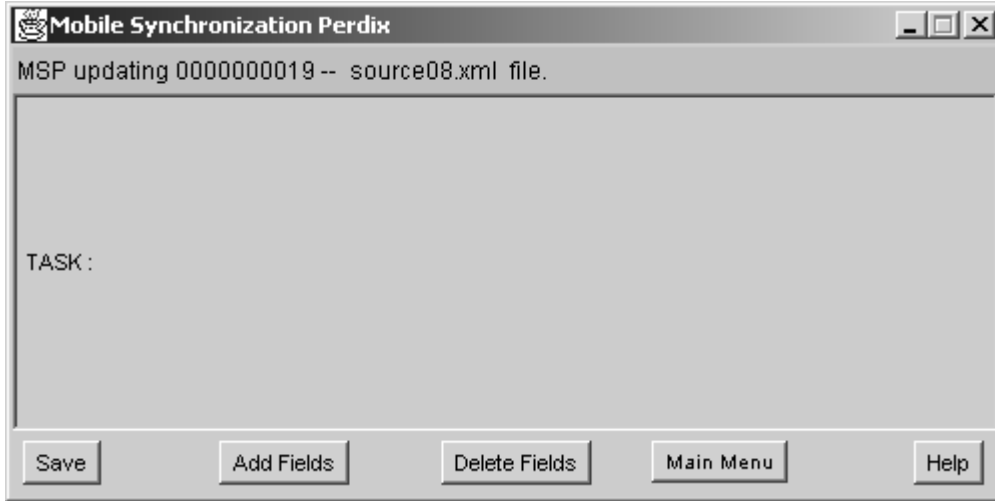
“Get only ready data” is for downloading the ready data from Protocol Engine. “Get data only from the back server” is for downloading information assigned for this PDA from the server.

“Get from both place.” does both options together.

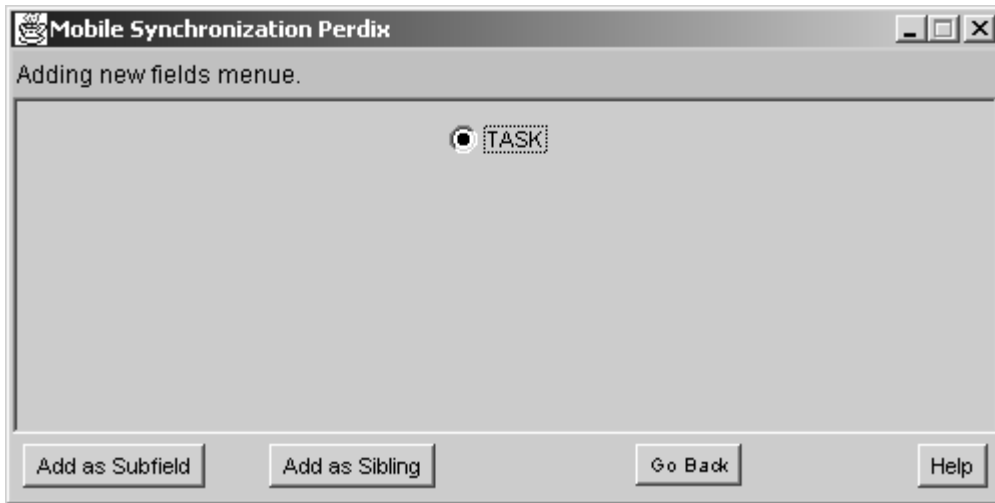
• 3.4 Update



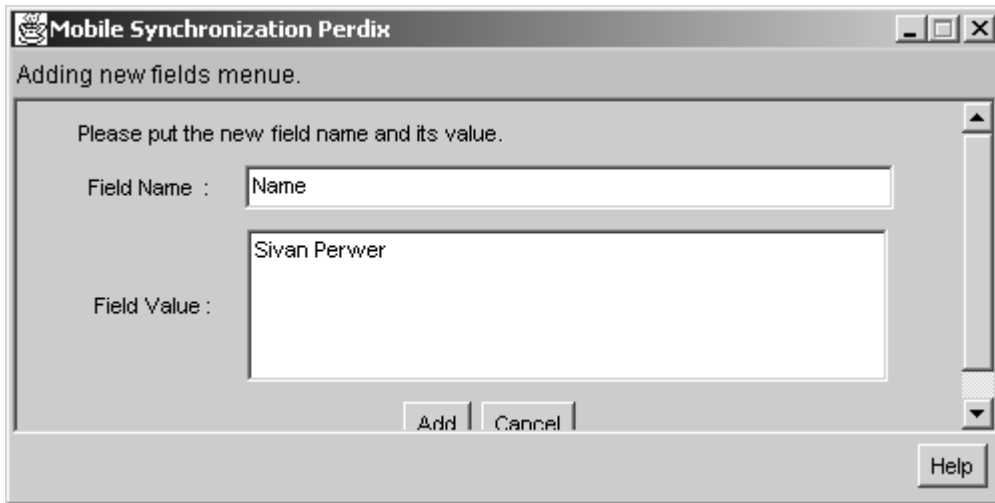
Using Update functionality you can change the files locating on your Hard disk. After the button is pressed, the following window appears:



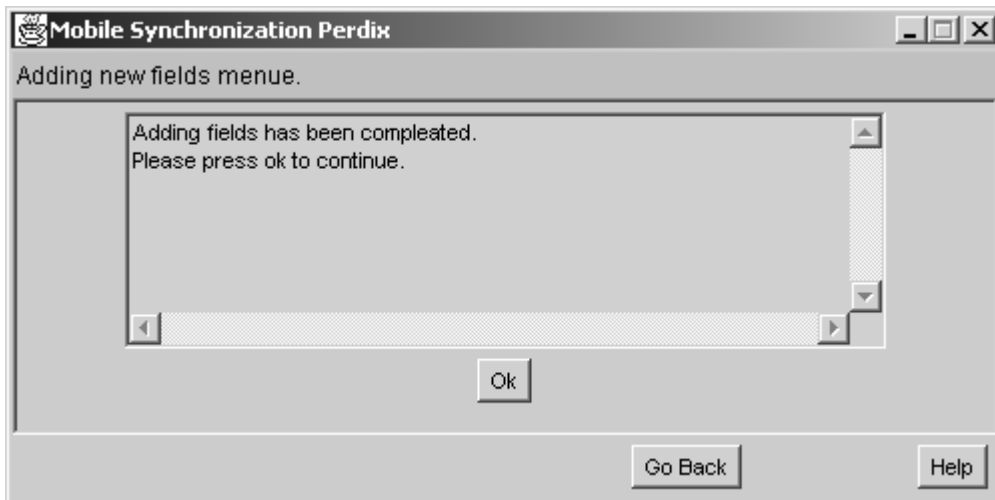
Press Add Fields to add new fields to the file. Yet get the following window:



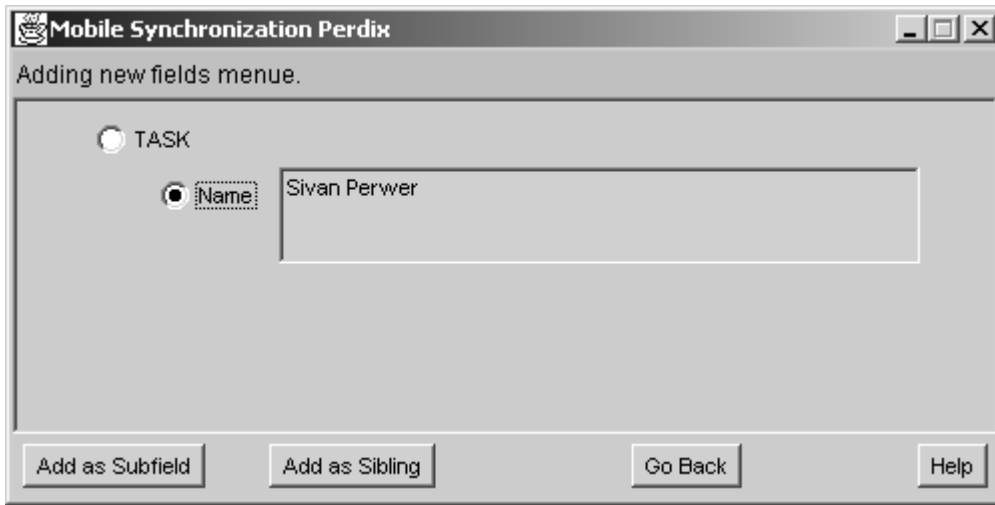
Now you just select a field and then you can add a Sub-field or Sib-field to it. The following window appears and you can give a name and a value for it.



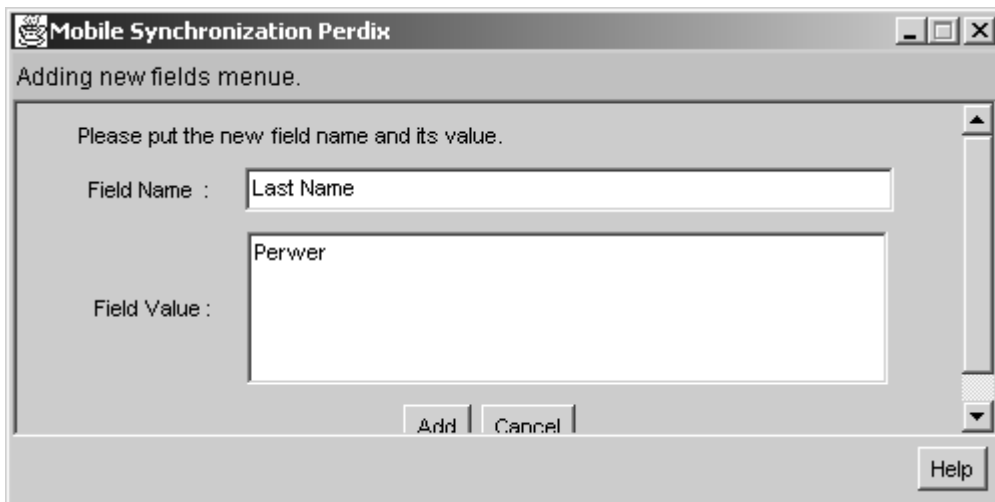
Press "Add" when you are ready. MSP makes sure you want to add this field and asks you the following question. Just answer OK. If you want to cancel the operation or change something press "Go Back".



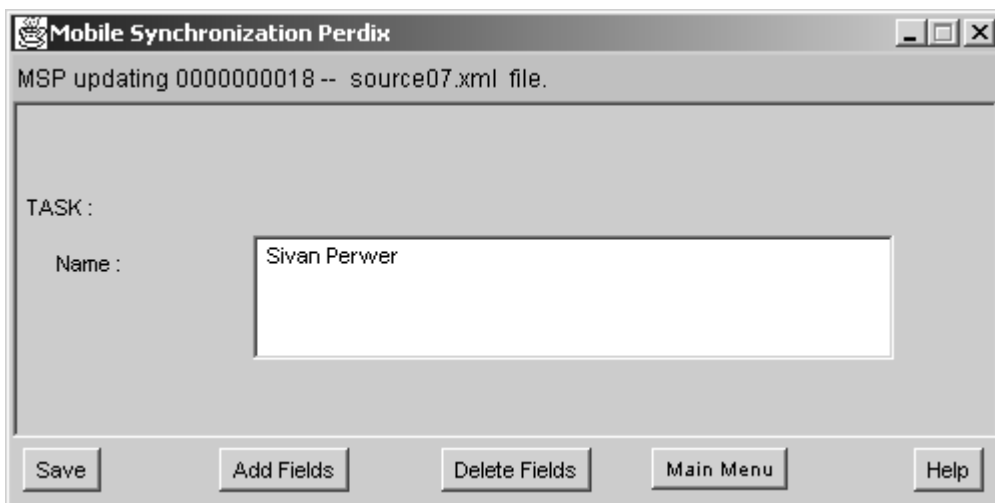
You can now add a sub-field by selecting a field and pressing the "Add as Subfield" button:



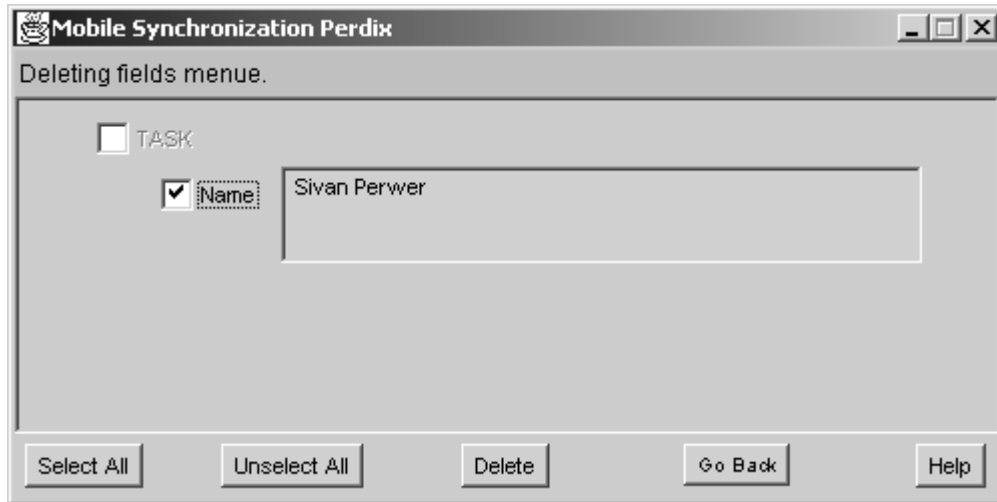
Fill the name and value of the sub-field as you did in sibling:



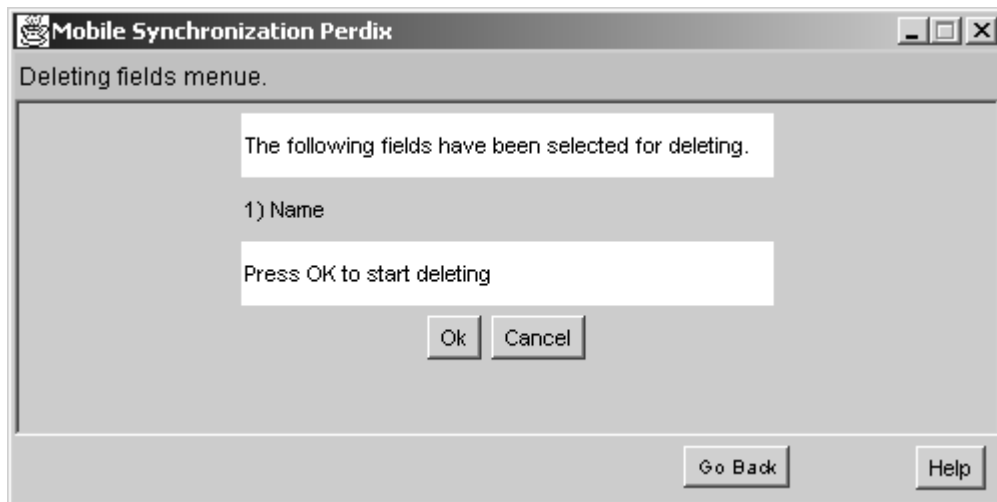
To save the data you have to press "Save" button:



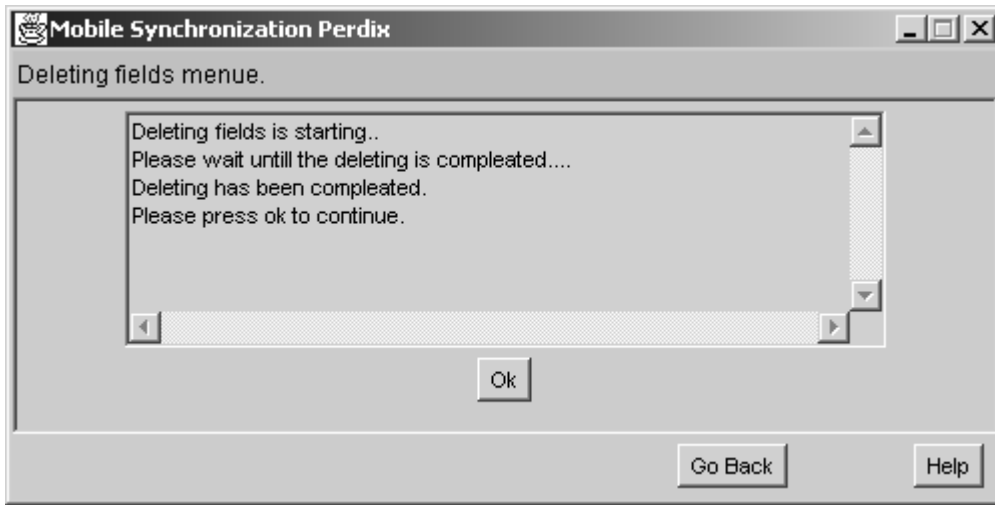
Deleting field is done in same way. You just select the field(s) you want to delete and press, “delete” button.



You will be warned about deleting the field and you have options to accept or reject it:



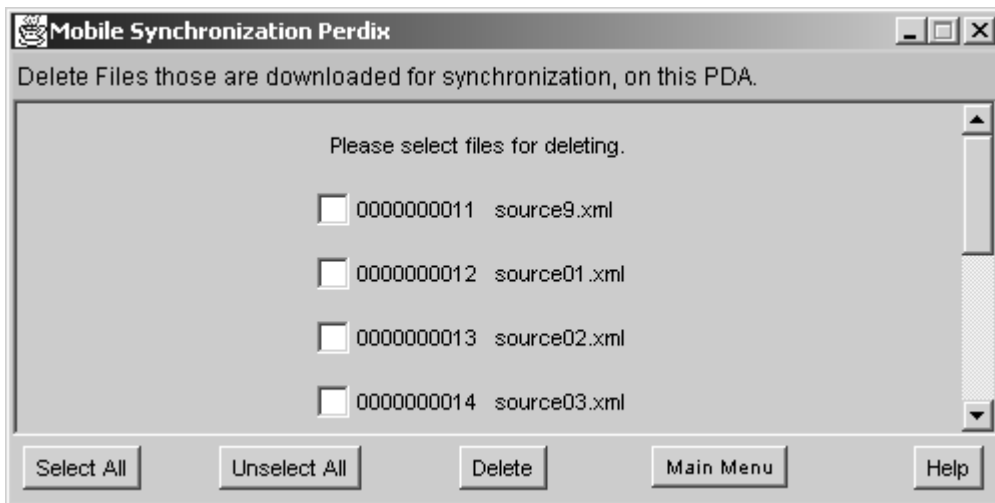
Pressing “OK”, the following window appears. Just press OK.



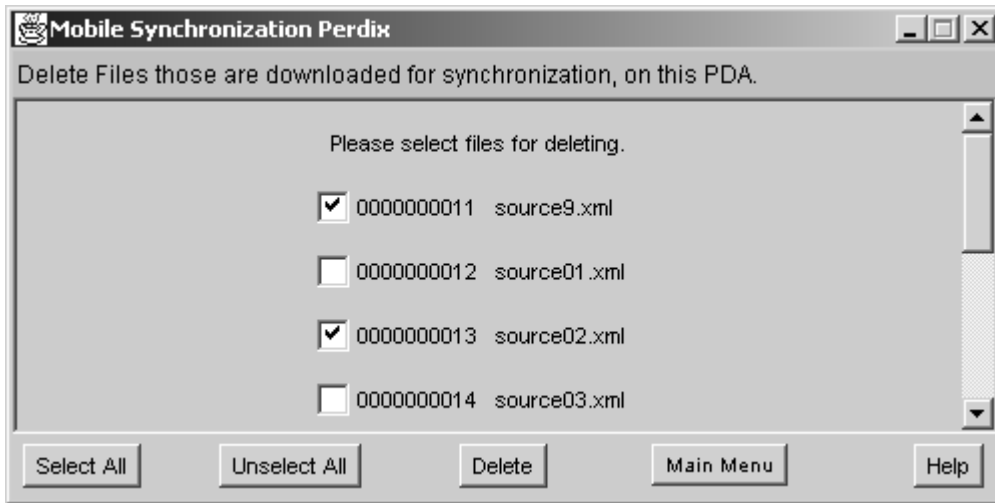
3.5 Delete

We discussed about deleting fields in previous chapter and now we are deleting the entire file(s).

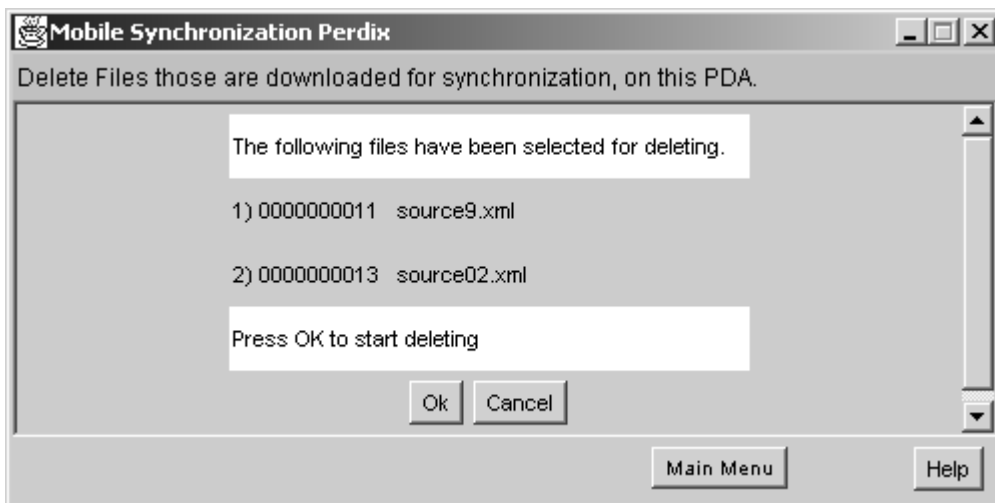
In the main Menu, you can start deleting any file, by pressing "Delete":



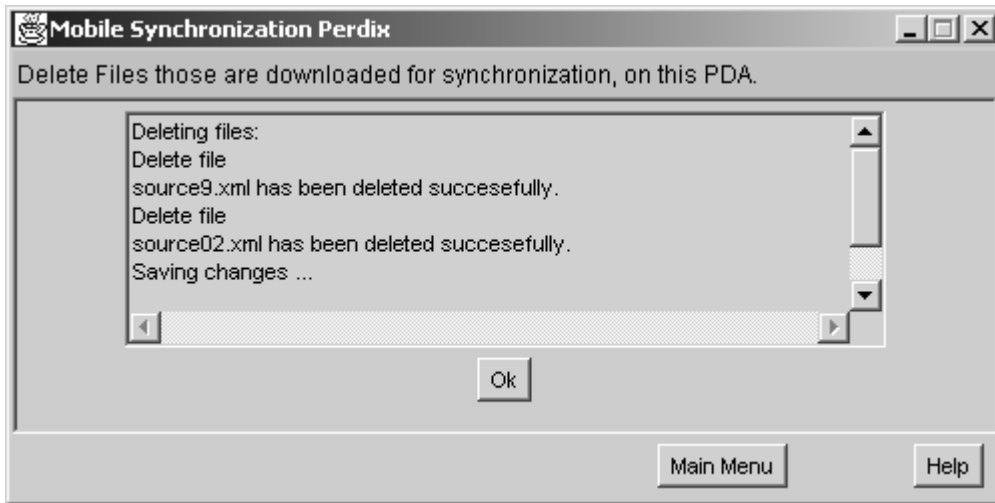
You will have a window, where all files in your computer are located. You can select all of them or any file individually. After selection "delete" button should be pressed.



In this stage you are warned about deleting the files. If you agree, press OK.

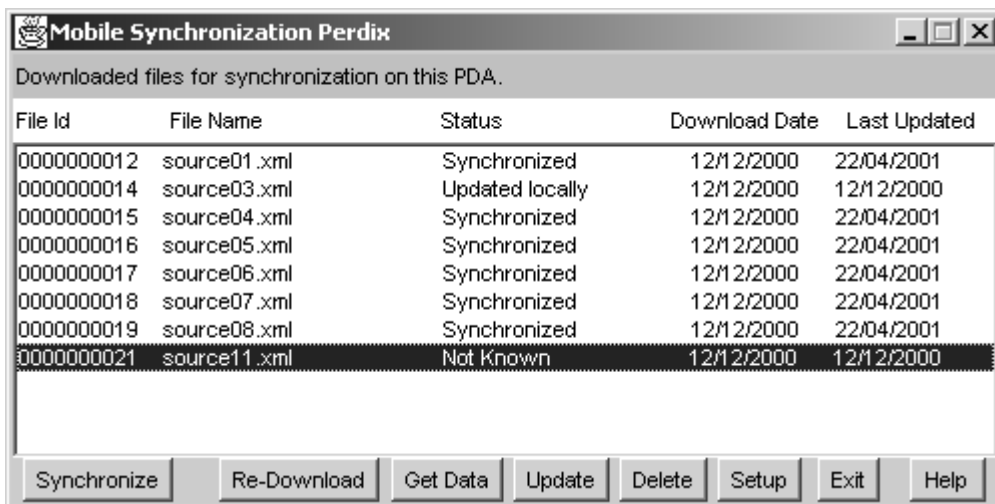


The situation of deleted files will be appeared in a separate window:



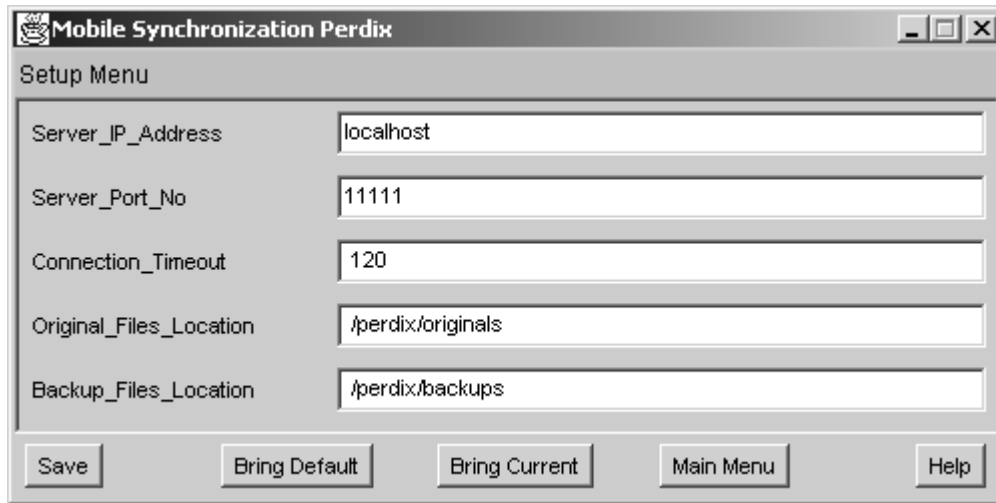
Just press OK.

The files have been deleted:



3.6 Setup

Using setup menu you can change the configuration for your MSP. The configuration is simple.



Server_IP_Address is the IP address of the server, where you are connecting. Server's port number is defined in Server_Port_No. Connection Timeout can also be set here.

Additionally you can specify where your files and their backups should be located. After doing changes press "Save" button. You have possibility also to bring the default values.

3.7 Exit

To Exit the program, press Exit.

3.8 Help

Additionally to this user manual you can use MSP's help in any stage.