IBM

JSR 075: FileConnection and Personal Information Manager Optional Package

Contents

Chapter 1. JSR 075: FileConnection and Personal Information Manager Optional Package

Personal Information Manager Optional Package (PIM OP)

The **JSR-075 PIM OP Extension Library** is included as a component of **Websphere**® **Everyplace Micro Environment** (WEME). The **PIM OP API's**augment the **MIDP 2.0** or **Foundation/Personal Profile J9 Runtime** on Windows Mobile™ 2003 and PalmOS 5 devices, by allowing Java access to the underlying Contacts, Events and ToDos in a portable way. In short, these API's allow you to query and/or add to the platforms underlying **Personal Information Manager** database.

The **PIM OP** component consists of:

- A **pimdll.dll** which contains the natives
- An **pim.jar** file for each of **MIDP** or **Foundation/Personal Profile J9 Runtimes**, which contains the class files as an extension library.

  Note: The **PIM** feature is built against both **pim.zip**'s so that developers can write applications against these API's no matter which profile they are running.

- An **pim-src.jar** file which contains the source files.
- On Palm OS, both the classes and the libraries are contained in a **pimop.prc** and the MIDP 2.0 runtime is the only supported runtime on Palm OS 5.

Supported platform:

- Windows Mobile 2003
- Palm OS 5

  Note: The implementation for Palm devices is case sensitive for file system roots. The file URLs for accessing files and directories on storage/memory cards should reflect the exact casing of the storage/memory card name.

Allows the device access to:

- Contacts from the ContactList
- Events from the Eventlist
- Todos from the ToDoList

Dependencies:

- The **JSR-075 PIM OP API Extension Library** is dependent upon a **J9 MIDP 2.0** or **Foundation 1.0 / Personal Profile 1.0 Implementation** supporting the extension mechanism

FileConnection Optional Package (FileConnection OP)

The **JSR-075 FileConnection OP Extension Library** is included as a component of **Websphere**® **Everyplace Micro Environment** (WEME). The **FileConnection OP API's** augment the **MIDP 2.0** or **Foundation/Personal Profile J9 Runtime** on Windows™ XP/2000, Windows Mobile™ 2003 and PalmOS 5 devices, by allowing Java access to the underlying file system and mountable volumes (Hard disks, Network volumes, Removable media). In short, these API's allow directory and file management on a device's removable media cards and internal memory.

The **FileConnection OP** component consists of:

- A **fileconn.dll**which contains the natives

- An **fc.jar** file ccccccccccccccccccccccccccccfor each of **MIDP** or **Foundation J9 Runtimes**, which contains the class files as an extension library.
- An **fc-src.jar** file which contains the source files.
- On Palm OS 5 the FileConnection libraries and natives ship as one fileconnect.prc file.

    Note: The FileConnection feature is built against both **fc.zip**'s so that developers can write applications against these API's no matter which profile they are running.

Supported platform:
- Windows IA32
- Windows Mobile 2003
- Palm OS 5

Allows the device access to:
- Hard Disks
- Network Volumes if supported on device
- Removable Media

    Note: The implementation for Palm devices is case sensitive for file system roots. The file URLs for accessing files and directories on storage/memory cards should reflect the exact casing of the storage/memory card name.

Dependencies:
- The JSR-075 FileConnection Optional Package API Extension Library for Windows IA32 is dependent upon a J9 MIDP 2.0 or Foundation1.0/Personal Profile 1.0 Implementation supporting the extension mechanism.
- The FileConnection API Extension Library is dependent on the JSR going final within the Java Community Process.

Using WebSphere Everyplace Technology Libraries

WSDD includes WebSphere Everyplace Technology Libraries that can be used with your Java class libraries. This section describes how the libraries are integrated with the tools.

Follow these steps to create a new project and add a new J2ME project with the WebSphere Technology Library **PDAP-PIM** or **PDAP-FC**.

1. Click **File | New | Project** to open the **New Project Wizard** in workbench toolbar.
2. In the left pane, select **J2ME**. In the right pane, select, **J2ME Project**. Then click **Next**.
3. Enter the following name for the new project: My WTL Project
4. Click **Next**.
5. Select the primary feature library configuration, for example **JCL MIDP 2.0**, or **JCL Foundation 1.0**, then click **Next**.
6. Select the **Libraries** tab.
7. Click **Add Library** (on the right), then WebSphere Everyplace Technology Library, then **Next**.
8. Select the WTL library that you would like to incorporate in your project, for example **WTL-PDAP-PIM**, or **WTL-PDAP-FC**, then click **Finish**.
9. Click **Finish**, to create the J2ME project with the additional WTL library.
10. In the workbench, expand the + sign to the left of **My WTL Project**. Notice that the additional library (**WTL-PDAP-PIM**, or **WTL-PDAP-FC**) has been added.

Chapter 2. Additional Information

Further Information

If you need more information or have questions about our implementation of this JSR:

In the United States and Canada, call 1-800-IBM-CALL (1-800-426-2255)

In all other countries, you can submit your questions on the web at:
http://www.ibm.com/software/pervasive/support/questions.shtml

You might also find the following websites helpful:

JSR-075 JCP Site - http://www.jcp.org/en/jsr/detail?id=75

http://www.ibm.com/developerworks/java/library/j-pda-op/

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