**Prescription Monitoring Program  
Information Exchange Service**

**Java Metro PMIX Reference Implementation**

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# Introduction

This Java reference implementation for the Prescription Monitoring Program Information Exchange service (PMIX) is built to conform to the JAX-WS standard and uses the Glassfish (Metro) implementation for Java. It has been built using Eclipse IDE for Java EE developers. This implementation adheres to the following standards:-

* Eclipse Helios or Indigo
* **GlassFish Server** **Open Source Edition 3.1.1**
* Metro 2.1
* JAX WS version – 2.2
* JDK 1.6

# Prerequisites

The projects in the *PMIX Reference Implementation* folder can be imported into a workspace in Eclipse.

* The version of Eclipse being used should support the Web Tools Platform (WTP) (Eclipse Helios or Indigo). The Helios version can be found here:- <http://www.eclipse.org/downloads/download.php?file=/technology/epp/downloads/release/helios/SR2/eclipse-jee-helios-SR2-win32.zip&url=http://www.gtlib.gatech.edu/pub/eclipse/technology/epp/downloads/release/helios/SR2/eclipse-jee-helios-SR2-win32.zip&mirror_id=337>
* The glassfish server must be installed and correctly configured in Preferences in Eclipse. The 3.1.1 release for Windows can be downloaded here:- <http://download.java.net/glassfish/3.1.1/release/glassfish-3.1.1.zip>

# Setting up the Eclipse workspace:-

1. Import all the projects into a workspace in Eclipse.

# Running the server

1. Run the *PMP Service* project “on Server” in Glassfish Server Open Source Edition 3.

# Running the client

1. The PMP Client Application file is the Client project. The service endpoint address can be changed in the “address” parameter in the client.properties file.
2. Right click on ClientUI.java in the src/client folder and *Run as a Java Application.*
3. Enter sample information and click on Provide or Receive to send a synchronous message.