Getting Started with the *UQ-iLab-BatchLabServer-Java* Project

[GettingStarted.htm - uqlpayne 22 Aug 2013]

Software

Getting Started with the *UQ-iLab-BatchLabServer-Java* project requires that the following software has been downloaded and installed:

- Java Platform (JDK) 7u25 [jdk-7u25-windows-i586.exe (89.0 MB)]
  http://www.oracle.com/technetwork/java/javase/downloads/index.html

- GlassFish Server Open Source Edition 4.0 [glassfish-4.0-windows.exe (89.0 MB)]
  https://glassfish.java.net/download.html

- PostgreSQL 9.2.4 [postgresql-9.2.4-1-windows.exe (49.6 MB)]
  http://www.postgresql.org/download/

The files specified here are for the Windows platform but software is also available for the other platforms, e.g., Linux.

The versions of the software shown here may not be the latest releases available.

Note: The *Java Platform (JDK)* must be installed <u>before</u> the *GlassFish Server*.

Template Project Deployment

Deployment of the Template project using the WAR file builds requires that:

- The *UQ-iLab-BatchLabServer-Java* GitHub repository has been downloaded as a ZIP file from:

  `https://github.com/uqlpayne/UQ-iLab-BatchLabServer-Java`

The following tutorials need to be completed:

1. The *Template LabServer Database* tutorial (see TemplateLabServerDatabase.pdf).

2. The *Dummy ServiceBroker Database* tutorial (see DummyServiceBrokerDatabase.pdf).

3. The *Template Project Deployment* tutorial (see TemplateProjectDeployment.pdf).

Radioactivity Project Deployment

Deployment of the Radioactivity project using the WAR file builds requires that:

- The *UQ-iLab-BatchLabServer-Java* GitHub repository has been downloaded as a ZIP file from:

  `https://github.com/uqlpayne/UQ-iLab-BatchLabServer-Java`

The following tutorials need to be completed:

1. The *Radioactivity LabServer Database* tutorial (see RadioactivityLabServerDatabase.pdf).

2. The *Dummy ServiceBroker Database* tutorial (see DummyServiceBrokerDatabase.pdf).

3. The *Radioactivity Project Deployment* tutorial (see RadioactivityProjectDeployment.pdf).

Template Project Development

Development of the Template project requires that:

- The *UQ-iLab-BatchLabServer-Java* GitHub repository has been downloaded as a ZIP file from:

  https://github.com/uqlpayne/UQ-iLab-BatchLabServer-Java

The following development tools and resources are required:

- NetBeans IDE 7.3.1 + GlassFish Server Open Source Edition 4.0 [netbeans-7.3.1-javaee-windows.exe (203.7 MB)]
  http://netbeans.org/downloads

- Java SE 7 Documentation [jdk-7u25-apidocs.zip (57.9 MB)]
  http://www.oracle.com/technetwork/java/javase/downloads/index.html

- postgresql-9.2-1003.jdbc4.jar
  http://jdbc.postgresql.org/

- javax.mail.jar (JavaMail API 1.5.0)
  https://java.net/projects/javamail/downloads

- sqljdbc_4.0.2206.100_enu.exe (contains sqljdbc4.jar) - Only needed if a Microsoft SQL Server is used instead of PostgreSQL
  http://msdn.microsoft.com/en-us/sqlserver/aa937724.aspx

The following tutorial need to be completed:

- The *Template Project Development* tutorial (see TemplateProjectDevelopment.pdf).