

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

[GettingStarted.htm - uqlpayne 26 Jul 2013]

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## 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 before the *GlassFish Server*.

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## 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:

- The *Template LabServer Database* tutorial (see *TemplateLabServerDatabase.pdf*).
  - The *Dummy ServiceBroker Database* tutorial (see *DummyServiceBrokerDatabase.pdf*).
  - The *Template Project Deployment* tutorial (see *TemplateProjectDeployment.pdf*).
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## 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).
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