Set-Up Guide

Development Environment

Version No: 0.1

***Gloria***

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# Install Applications

### Order the following products in Faros

|  |
| --- |
| **Product** |
| Volvo IT Open Client 1.0 English (US) |
| Java ALM Tools |
| Microsoft Visio Professional 2007 English (US) |
| Altova XMLSpy Pro 2011 English (US) |
| Volvo Global W-LAN |
| Java tools Eclipse Maven JVS |
|  |
|  |
|  |
| Java ALM Tools   |  |  | | --- | --- | | a\_project | Gloria | | b\_subversion | Yes | | c\_jira | Yes | | d\_hudson | Yes | | e\_maven\_nexus | Yes | |

# Install Development environment

<http://java.it.volvo.net/javatools/>

**Install Java Development Kit 8**

[Java Development Kit 8 (update 60 - 32-bit)](http://java.it.volvo.net/javatools/jdk/jdk-8u91-windows-i586.exe)

user variable

JAVA\_HOME = C:\tools\Java\jre7

->

JAVA\_HOME = C:\Program Files (x86)\Java\jdk1.8.0\_91

Check with java –version that you have correct version installed

Make sure that JAVA\_HOME = C:\Program Files (x86)\Java\jdk1.8.0\_91

**Install GIT from javatools**

[64-bit GIT](http://java.it.volvo.net/javatools/jvs-supporting-tools/git/Git-2.9.0-64-bit.exe)

[32-bit TortoiseSVN-1.7.1](http://java.it.volvo.net/javatools/jvs-supporting-tools/svn-tortoise/TortoiseSVN-1.7.1.22161-win32-svn-1.7.1.msi)

**Install SVN command client for example**

<http://sourceforge.net/projects/win32svn/>

**Install 7-zip**

[32-bit 7-zip 9.20](http://java.it.volvo.net/javatools/unsupported/7z920.exe)

**Install DBVizualizer**

[DbVisualizer 8.0.7](http://java.it.volvo.net/javatools/unsupported/dbvis_windows_8_0_7.exe)

**Install Notepad++**

[Notepad++ 5.9.6.2](http://java.it.volvo.net/javatools/unsupported/npp.5.9.6.2.Installer.exe)

# Installation JVS Dev-tools

**JDT**

[Java Developer Tools 2016A - x86 (32-bit)](http://java.it.volvo.net/javatools/jvs-ide-installer/java-devtools-2016A-setup.exe)

Follow the instructions in

[**Upgrading to Java Developer Tools 2012B**](https://confluence.it.volvo.net:9443/display/JVS/Upgrading+to+Java+Developer+Tools+2012B)

Check if **Maven** was installed correctly:

**C:\>mvn –version**

“Apache Maven 3.0.4” is expected

# Prepare Gloria Project Workspace

### Checkout the Gloria source code using TortoiseSVN

Source: **https://adtsvn.it.volvo.net/svn/gloria/trunk**

Target: **C:\svn\gloria\trunk**

### Run Maven clean install

**cd C:\svn\gloria\trunk\4\_implementationSet\Gloria**

**mvn clean install -Dmaven.itest.skip=true**

### Create workspace as below

For **RAD** : C:\JavaDev\ws\RAD\gloria\_trunk

For **Eclipse** : C:\JavaDev\ws\Eclipse\gloria\_trunk

### Import Gloria Projects

Open Eclipse/RAD, select.

**File 🡪 Import 🡪 Maven 🡪 Existing Maven Projects** and click **Next** button

Select **Root Directory** as **C:\svn\gloria\trunk\4\_implementationSet\Gloria**

Click **Finish** button

### Prepare Server

Select “**GloriaServers**” project from **Project Explorer**

Right click and select **Run As 🡪 Maven clean**

Right click and select **Run As 🡪 Maven install**

Right click and select **Run As 🡪 Run configuration**

**Select Servers – tomcat**

**Run**

From Eclipse menu, select **Window 🡪 Show View 🡪 Servers**

Right click and select **New 🡪 Server** and select **Tomcat v7.0 Server**

Select **C:\JavaDev\tools\apache-tomcat-7.0.30** and **JDK 1.6.**

Double Click on the server and click to **Overview 🡪 General Information 🡪 Open Launch Configuration**

Select **Arguments** tab and append the line at the very bottom of **WM arguments**

**-Dcom.volvo.jvs3.applicationContextName="dev-local-tomcat/applicationContext.xml"**

under **VM** arguments.

Click **Apply** and **OK** buttons

Select **GloriaServers** project from **Project Explorer**, select **Servers** tab.

Right click on **Tomcat v7.0 Server 🡪 Add and Remove**

Select **GloriaWeb** resource from available to configured and click **Finish** button

# Verify Gloria Application

Start Derby database

Run Derby start command file which is located at “C:\JavaDev\tools\db-derby-10.9.1.0\bin \startNetworkServer.bat”

Start Tomcat

Right click on **Tomcat v7.0 Server 🡪 Start** in Eclipse.

# Development Environment

## Derby Database properties

name = gloria\_local\_derby

databse type = JavaDB/Derby

driver jdbc = JavaDB/Derby server

datbase URL = jdbc:derby://localhost:1527/Gloria\_Db

user = APP

password = GLORIA