

How to Set Up Debugging Environment for SAP Mobile Application in Sap NetWeaver Composition Environment 7.1

Applies to:

SAP NetWeaver Mobile 7.1, SAP NetWeaver CE 7.1, SAP xApp Mobile Time & Travel 2.0 SP5 (xMTT), SAP xApp Mobile Asset Management 3.0 SP5 (xMAM).

Summary

The how-to guide summarizes the steps you need to set up a debugging environment for the SAP standard mobile applications (like xMTT and xMAM) within the SAP NetWeaver CE 7.1. We will use xMAM as an example to illustrate the procedures.

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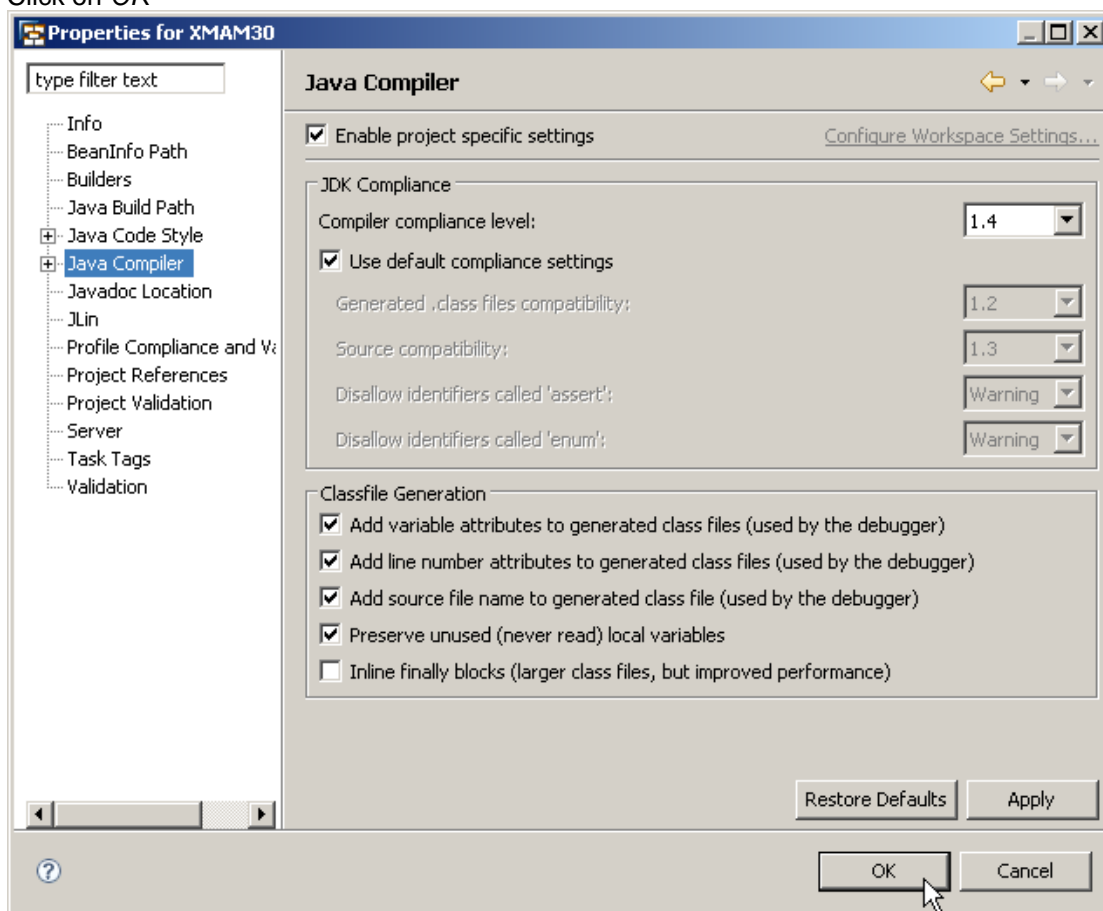
Debugging in SAP NetWeaver Mobile 7.1

In order to debug within NetWeaver Mobile 7.1, you need to ensure that the debug flags are set in the .sda/.war file and export it.

Setting the Flags for Debugging

The debug flags are already setup in the delivered xMAM30_eclipse.war. To set the debug flags for xMAM30.war, follow these steps:

1. Import the xMAM30.war file into NetWeaver Developer Studio and name the project *xMAM30*
2. Once the war file has been imported, you can perform your enhancements.
3. Right-click on the xMAM30 project and select *Properties*
4. Select the *Java Compiler*
5. In the *Classfile Generation* section, make sure the following boxes are checked:
 - Add variable attributes to generated class files (used by the debugger)
 - Add line number attributes to generated class files (used by the debugger)
 - Add source file name to generated class file (used by the debugger)
 - Preserve unused (never read) local variables
6. Click on *OK*



Exporting the Project

1. To test your changes, select the xMAM project and click on *MDK: Export a project into a MI archive (.war / .jar)*
2. Click *Next*
3. The *Deployment Folder* should be set to <NetWeaver Mobile Client root>\inbox
4. Make sure the box *Include the source code of the project* is unchecked
5. Put a check mark in the box *Add JSP as compiled classes*
6. Select the radio button *Keep generated Java files in project after .war file has been generated*
7. Put a check mark in the box *Create SDA archive*
8. Select a folder for the *SDA archive destination folder*
9. Select *Finish*

MI: Create a MI Archive File

MI: Create a MI Archive File

Archive name is the same as the MCD name

Archive Name: (.war) XMAM30

Deployment Folder: C:\Program Files\SAP\SAP Netweaver Mobile Client\int ...

Include the source code of the project

Add JSP as compiled classes

Delete generated Java files after .war file has been generated

Keep generated Java files in project after .war file has been generated

Run the mobile application

URL pattern: /start

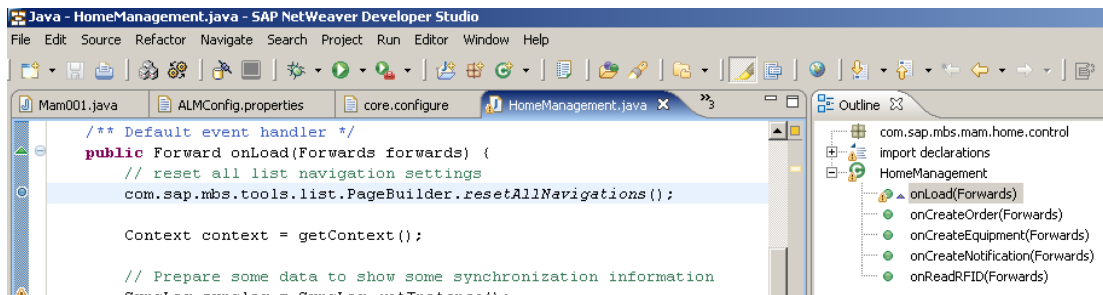
Create SDA archive

SDA archive destination folder C:\Program Files\SAP\SAP Netweaver Mobile Client\int ...

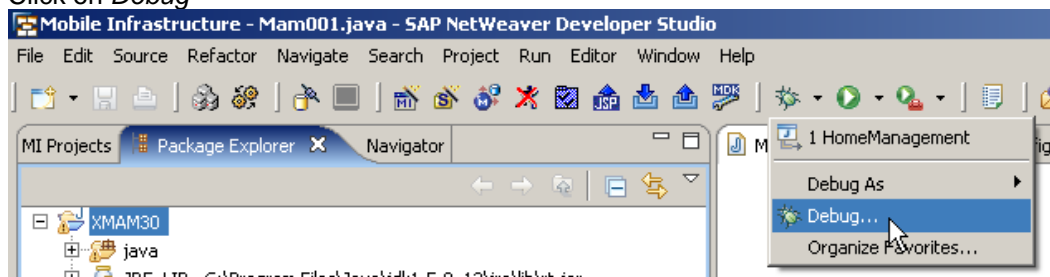
< Back Next > Finish Cancel

Debugging the Application

Now you can set some break points in the application coding where you want the execution to stop. Double click the grey bar at the left side of the code lines to insert the break point. A blue dot will be shown on the code line where you have set the break point.

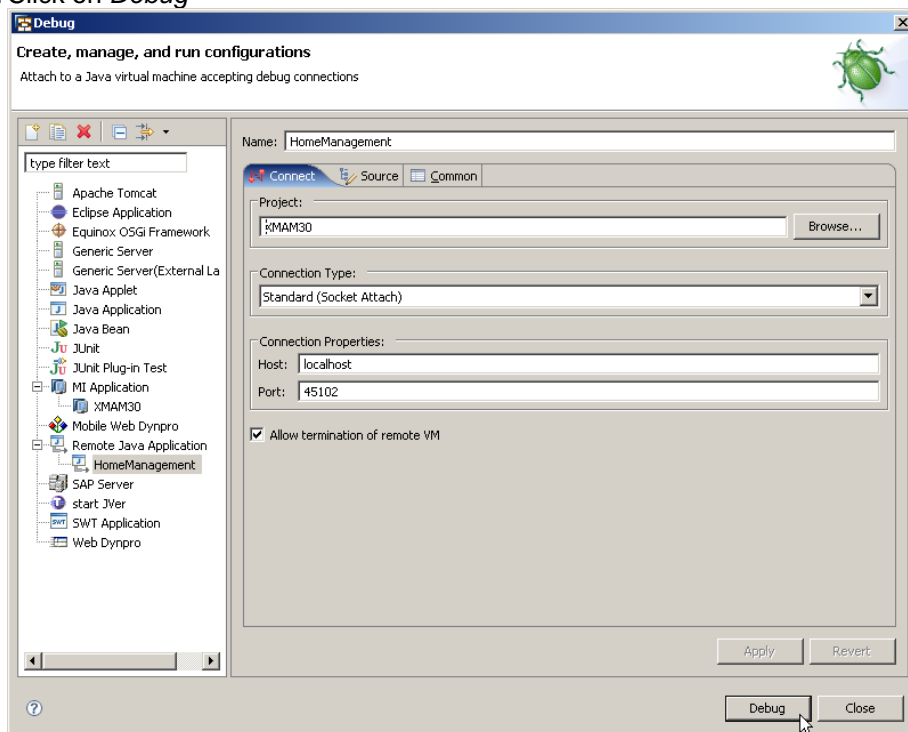


1. Launch the NetWeaver Mobile Client and logon
2. Go back to the NWDS and select the xMAM project
3. Click on *Debug*

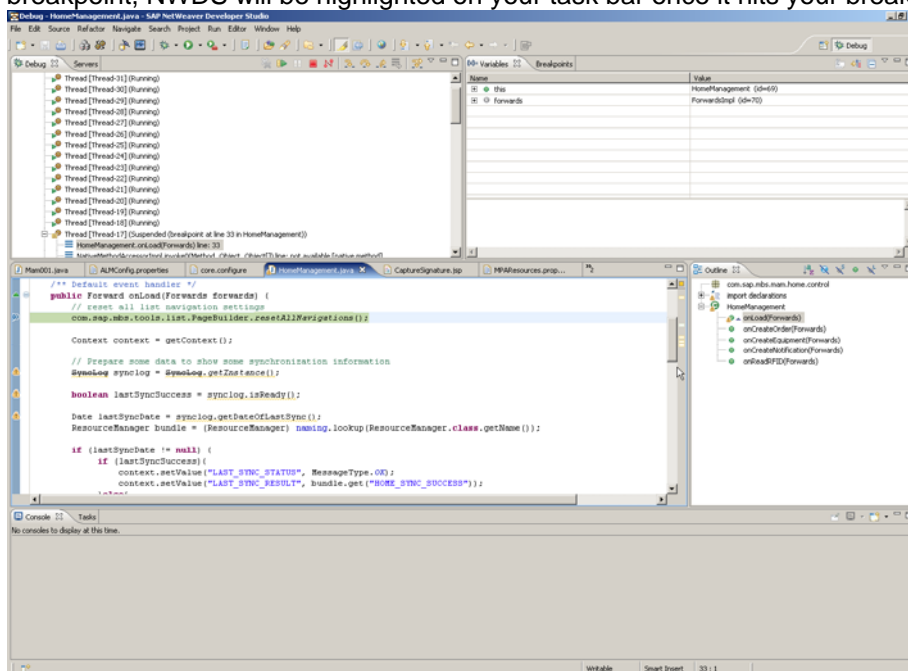


4. Select *Remote Java Application*
5. Click on *New Launch Configuration*
6. In the tab *Connect*, enter the Project name *xMAM30*
7. Fill in the *Connection Properties*
8. Go to the tab *Source* and delete the *Default Lookup Path*
9. Click on *Add* and select *Java Project*
10. Choose the *xMAM* project and click on *OK*

11. Click on *Debug*



12. Go back to the client and click on the xMAM link. Depending on where you placed the breakpoint, NWDS will be highlighted on your task bar once it hits your breakpoint.



Related Content

- [SAP NetWeaver Composition Environment \(SAP Help Portal\)](#)
- [Mobile in SDN Community](#)
- [Getting Started - Mobile \(SDN Community\)](#)

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