

# MII Project Building and Deploying



## Applies to:

SAP Manufacturing Integration & Intelligence (MII) - v12.1.x and greater. For more information, visit the [Manufacturing homepage](#).

## Summary

This paper outlines the steps necessary to build and deploy an MII project that exists within NWDI.

**Author:** Jamie Cawley

**Company:** SAP

**Created on:** 8 January 2010

## Author Bio

Jamie Cawley has worked for Lighthammer Software since September 2004 supporting and doing application development for the Lighthammer CMS product. Since the SAP acquisition of Lighthammer in July 2005 Jamie has become a Solution Architect for SAP MII

## Table of Contents

Prerequisites .....	3
CMS Configuration .....	3
NWDS Configuration .....	4
System Landscape Directory .....	4
Development Configuration .....	5
Activating Changes .....	5
Within MII .....	5
Within NWDS .....	5
Building the Project .....	5
Deployment .....	6
Related Contents .....	7
Copyright .....	8

## Prerequisites

### CMS Configuration

To build the MII project sda, it is required that the following sca's are imported into the track

- MIIBuildt.sca
- XMII.sca
- SAPBuildt.sca

This can be achieved by performing the following steps:

1. Open CMS, <http://server:port/devinf> and selecting Change Management Service
2. Select the appropriate track
3. Select the "Check-In" tab – if you don't have the three sca's in the list then you need to place them in the inbox folder of CMS which should be \usr\sap\trans\EPS\in\CMS<server><sid>\CMS\inbox

NOTE: If the sca's do not appear in the list under the "Check-In" tab you may not have the Software Components assigned to the track. This can be accomplished within CMS by selecting "Landscape Configurator", the appropriate track and the "Track Data" tab. Use the "Add SC" button to add the "MII\_CUSTOM" component and then use the "Define Dependencies" button to add the three sca's.

Software Components (SCs)							
Developed Software Components							
Add SC...		Delete	Define Dependencies...	Filter	Exclude All	Include All	Download to Excel...
	Software Component Name	Vendor	Release	State	Package Type		
▼	MII_CUSTOM	sap.com	1.0	●●●●	Source and Archiv		
▪	MIIBUILD	sap.com	12.1	●●●●			
▪	SAP_BUILD	sap.com	7.11	●●●●			
▪	XMII	sap.com	12.1	●●●●			

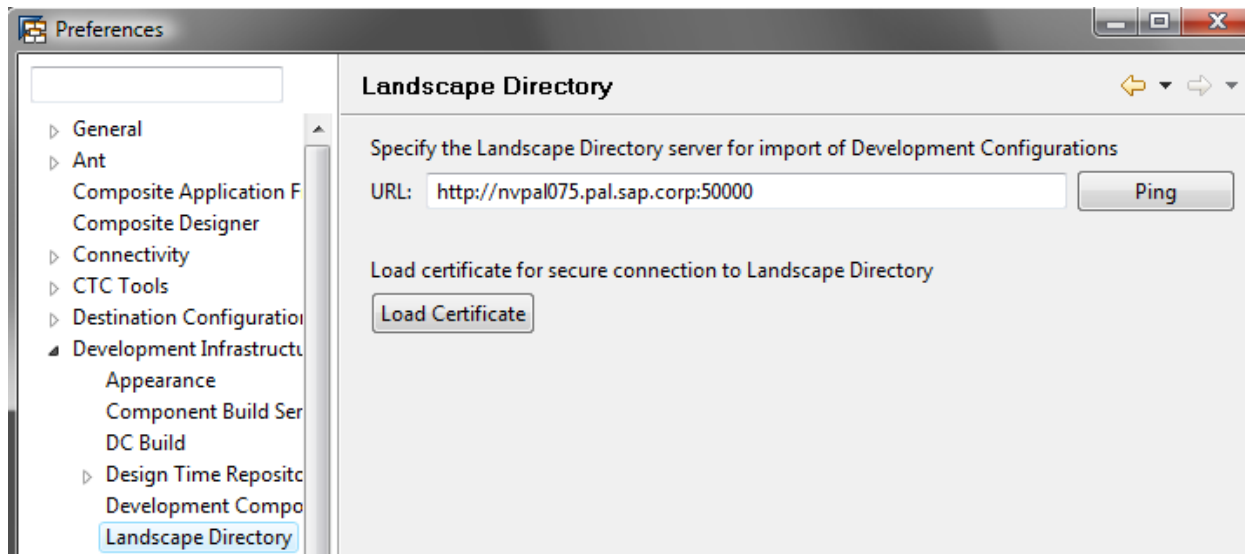
4. Select the sca's and then click the "Check-In" button
5. Select the Development tab and import each of the sca's

## NWDS Configuration

### System Landscape Directory

The System Landscape Directory (SLD) needs to be set in Netweaver Developer Studio (NWDS) to pull down the track configurations

1. Open NWDS and select the menu Window – Preferences
2. Select Development Infrastructure – Landscape Directory
3. Enter the URL to the SLD



## Development Configuration

Most of the activities will be performed in the Development Infrastructure Perspective.

1. Open the perspective by selecting the menu Window – Open Perspective – Development Infrastructure
2. In Component Browser right click and select New – Development Configuration – Import From System Landscape Directory (SLD) – Next
3. Choose the desired Development Configuration – Next – Finish

## Activating Changes

This can be done within MII or with Developer Studio and only the activated activities will be built.

### Within MII

1. Open the workbench and log into Source Control
2. Select the menu Source Control – Activation View and activate the desired activities
 

**NOTE:** If the Activation View is not available open the MII menu and navigate to the NWDI Configuration and select the “Extended” checkbox, Save and reopen the workbench.
3. Activities can also be activated by checking the “Activate” checkbox when checking them in.

### Within NWDS

1. When in Development Infrastructure perspective select the menu Window – Show View – Activation View
2. Select the Menu of the tab and select User Filter – All Users
3. Right click on the desired activity and select activate

## Building the Project

The building of the Project is performed in NWDS.

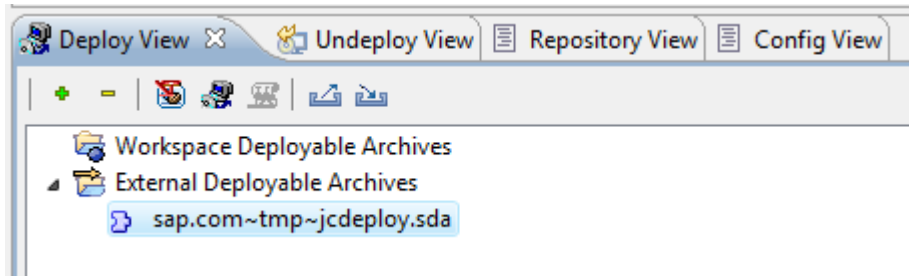
1. Navigate down to the appropriate Compartment and select your project
2. Right click on the project and select Sync/Create Project – Create Project
3. On the Sync Sources and Used DCs – Select the needed DCs and xapps/mii/bp and click OK.
4. Right click on the project and select Refresh – the folder structure should appear
5. Right click on the project and select Build
  - o Building will create the sda and place it within the output directory of your workspace. This location can be found in the build.log which can be opened within the DC – sources – gen – defaults - logs

```
cda] [jarsap] Building:
C:\Users\i808608\workspace.jdi\5\t2\CE3CC25719A0B7CA5A1DB04CAAE45B00\default\deploy\sap.com~tmp-jcd
eploy.sda with compression
```

## Deployment

The system to receive the deployment must be configured in the NWDS menu Window – Preference – SAP AS Java.

1. Select the menu Window – Open Perspective – Deployment
2. In the Deploy View window right click “External Deployable Archives” and add the sda



3. Right click on the sda and select Deploy
4. Open the deployed project within the workbench and verify its correctness
5. Perform any necessary customizations to finalize the deployment

## Related Contents

For more information, visit the [Manufacturing homepage](#).

## Copyright

© Copyright 2010 SAP AG. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP AG. The information contained herein may be changed without prior notice.

Some software products marketed by SAP AG and its distributors contain proprietary software components of other software vendors.

Microsoft, Windows, Excel, Outlook, and PowerPoint are registered trademarks of Microsoft Corporation.

IBM, DB2, DB2 Universal Database, System i, System i5, System p, System p5, System x, System z, System z10, System z9, z10, z9, iSeries, pSeries, xSeries, zSeries, eServer, z/VM, z/OS, i5/OS, S/390, OS/390, OS/400, AS/400, S/390 Parallel Enterprise Server, PowerVM, Power Architecture, POWER6+, POWER6, POWER5+, POWER5, POWER, OpenPower, PowerPC, BatchPipes, BladeCenter, System Storage, GPFS, HACMP, RETAIN, DB2 Connect, RACF, Redbooks, OS/2, Parallel Sysplex, MVS/ESA, AIX, Intelligent Miner, WebSphere, Netfinity, Tivoli and Informix are trademarks or registered trademarks of IBM Corporation.

Linux is the registered trademark of Linus Torvalds in the U.S. and other countries.

Adobe, the Adobe logo, Acrobat, PostScript, and Reader are either trademarks or registered trademarks of Adobe Systems Incorporated in the United States and/or other countries.

Oracle is a registered trademark of Oracle Corporation.

UNIX, X/Open, OSF/1, and Motif are registered trademarks of the Open Group.

Citrix, ICA, Program Neighborhood, MetaFrame, WinFrame, VideoFrame, and MultiWin are trademarks or registered trademarks of Citrix Systems, Inc.

HTML, XML, XHTML and W3C are trademarks or registered trademarks of W3C®, World Wide Web Consortium, Massachusetts Institute of Technology.

Java is a registered trademark of Sun Microsystems, Inc.

JavaScript is a registered trademark of Sun Microsystems, Inc., used under license for technology invented and implemented by Netscape.

SAP, R/3, SAP NetWeaver, Duet, PartnerEdge, ByDesign, SAP Business ByDesign, and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP AG in Germany and other countries.

Business Objects and the Business Objects logo, BusinessObjects, Crystal Reports, Crystal Decisions, Web Intelligence, Xcelsius, and other Business Objects products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of Business Objects S.A. in the United States and in other countries. Business Objects is an SAP company.

All other product and service names mentioned are the trademarks of their respective companies. Data contained in this document serves informational purposes only. National product specifications may vary.

These materials are subject to change without notice. These materials are provided by SAP AG and its affiliated companies ("SAP Group") for informational purposes only, without representation or warranty of any kind, and SAP Group shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP Group products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.