SAP Copyrights and Trademarks

© 2015 SAP SE. 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 SE. The information contained herein may be changed without prior notice.

Some software products marketed by SAP SE 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 x, System z, System z10, System z9, z10, 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 BusinessObjects Explorer, StreamWork, and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE in Germany and other countries.

- BusinessObjects and the BusinessObjects logo, BusinessObjects, Crystal Reports, Crystal Decisions, Web Intelligence, Xcelsius, and other BusinessObjects products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of BusinessObjects Software Ltd. BusinessObjects is an SAP company.

- Sybase and Adaptive Server, iAnywhere, Sybase 365, SQL Anywhere, and other Sybase products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of Sybase, Inc. Sybase 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 SE 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.
Typographic Conventions

American English is the standard used in this handbook. The following typographic conventions are also used.

| This information is displayed in the instructor’s presentation |
| Demonstration |
| Procedure |
| Warning or Caution |
| Hint |
| Related or Additional Information |
| Facilitated Discussion |
| User interface control |
| Window title |

Example text

© Copyright. All rights reserved.
## Contents

<table>
<thead>
<tr>
<th>ix</th>
<th>Course Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>Unit 1:</strong> Integration for Supply Chain Modeling</td>
</tr>
<tr>
<td>1</td>
<td>Lesson: Integrating SAP ERP and SAP SCM</td>
</tr>
<tr>
<td>1</td>
<td>Lesson: Configuring an Integration Model</td>
</tr>
<tr>
<td>1</td>
<td>Lesson: Using Monitoring and Error-Processing Tools</td>
</tr>
<tr>
<td>1</td>
<td>Lesson: Setting Up Incremental Data Transfers for Master Data Changes</td>
</tr>
<tr>
<td>1</td>
<td>Lesson: Organizing Integration Models</td>
</tr>
<tr>
<td>1</td>
<td>Lesson: Performing Routine Operations with Background Processing</td>
</tr>
<tr>
<td>3</td>
<td><strong>Unit 2:</strong> Supply Chain Locations</td>
</tr>
<tr>
<td>3</td>
<td>Lesson: Managing Locations</td>
</tr>
<tr>
<td>3</td>
<td>Lesson: Integrating Plant Data</td>
</tr>
<tr>
<td>3</td>
<td>Lesson: Integrating MRP Areas</td>
</tr>
<tr>
<td>3</td>
<td>Lesson: Managing Transportation Zones</td>
</tr>
<tr>
<td>3</td>
<td>Lesson: Integrating Customers as Locations</td>
</tr>
<tr>
<td>3</td>
<td>Lesson: Integrating Vendors as Locations</td>
</tr>
<tr>
<td>4</td>
<td>Lesson: Integrating Factory Calendars and Time Streams</td>
</tr>
<tr>
<td>5</td>
<td><strong>Unit 3:</strong> Supply Chain Products</td>
</tr>
<tr>
<td>5</td>
<td>Lesson: Integrating Products</td>
</tr>
<tr>
<td>5</td>
<td>Lesson: Maintaining Product Data</td>
</tr>
<tr>
<td>7</td>
<td><strong>Unit 4:</strong> External Procurement Relationships</td>
</tr>
<tr>
<td>7</td>
<td>Lesson: Integrating Purchasing Information Records</td>
</tr>
<tr>
<td>7</td>
<td>Lesson: Integrating Scheduling Agreements</td>
</tr>
<tr>
<td>9</td>
<td><strong>Unit 5:</strong> Network Modeling</td>
</tr>
<tr>
<td>9</td>
<td>Lesson: Creating Means of Transportation</td>
</tr>
<tr>
<td>9</td>
<td>Lesson: Creating Transportation Lanes</td>
</tr>
<tr>
<td>11</td>
<td><strong>Unit 6:</strong> Supply Chain Resources</td>
</tr>
<tr>
<td>11</td>
<td>Lesson: Integrating Production Resources</td>
</tr>
<tr>
<td>11</td>
<td>Lesson: Creating Supply Chain Management (SCM)-Specific Resources</td>
</tr>
<tr>
<td>11</td>
<td>Lesson: Integrating Capacity Variants</td>
</tr>
<tr>
<td>11</td>
<td>Lesson: Integrating Setup Groups and Matrices</td>
</tr>
<tr>
<td>Unit 7:</td>
<td>Manufacturing Process Modeling</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>13</td>
<td>Lesson: Preparing Integration of Master Data</td>
</tr>
<tr>
<td>13</td>
<td>Lesson: Mapping Bill of Materials (BOM) Fields</td>
</tr>
<tr>
<td>13</td>
<td>Lesson: Mapping the Routings Fields</td>
</tr>
<tr>
<td>13</td>
<td>Lesson: Integrating Production Master Data</td>
</tr>
<tr>
<td>13</td>
<td>Lesson: Transferring a Master Recipe to a Production Process Model (PPM)</td>
</tr>
<tr>
<td>14</td>
<td>Lesson: Transferring Characteristics and Classes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit 8:</th>
<th>Quota Arrangement</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>Lesson: Creating Quota Arrangements</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit 9:</th>
<th>Supply Chain Modeling</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>Lesson: Creating an SAP liveCache Model</td>
</tr>
<tr>
<td>17</td>
<td>Lesson: Creating a Version in SAP SCM</td>
</tr>
<tr>
<td>17</td>
<td>Lesson: Using the Supply Chain Engineer (SCE)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit 10:</th>
<th>Transactional Data Integration</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>Lesson: Integrating Transactional Data</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit 11:</th>
<th>Supply Chain Subcontracting</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>Lesson: Preparing Master Data for Subcontracting</td>
</tr>
</tbody>
</table>
TARGET AUDIENCE
This course is intended for the following audiences:

- Application Consultant
- Business Analyst
- Business Process Architect
- Business Process Owner/Team Lead/Power User
- Data Consultant/Manager
- Help Desk/CoE Support
- Industry Specialist
- Solution Architect
- Trainer
Lesson 1: Integrating SAP ERP and SAP SCM
Lesson Objectives
After completing this lesson, you will be able to:
- Outline the integration of SAP ERP and SAP SCM

Lesson 2: Configuring an Integration Model
Lesson Objectives
After completing this lesson, you will be able to:
- Configure an integration model to transfer master data

Lesson 3: Using Monitoring and Error-Processing Tools
Lesson Objectives
After completing this lesson, you will be able to:
- Use monitoring and error-processing tools

Lesson 4: Setting Up Incremental Data Transfers for Master Data Changes
Lesson Objectives
After completing this lesson, you will be able to:
- Set up incremental data transfers for master data changes

Lesson 5: Organizing Integration Models
Lesson Objectives
After completing this lesson, you will be able to:
- Organize integration models

Lesson 6: Performing Routine Operations with Background Processing
Lesson Objectives
After completing this lesson, you will be able to:

- Perform routine operation with background processing
UNIT 2  
Supply Chain Locations

Lesson 1: Managing Locations
Lesson Objectives
After completing this lesson, you will be able to:

● Explain the purpose of the location master

Lesson 2: Integrating Plant Data
Lesson Objectives
After completing this lesson, you will be able to:

● Integrate plant data

Lesson 3: Integrating MRP Areas
Lesson Objectives
After completing this lesson, you will be able to:

● Integrate MRP areas

Lesson 4: Managing Transportation Zones
Lesson Objectives
After completing this lesson, you will be able to:

● Display transportation zones

Lesson 5: Integrating Customers as Locations
Lesson Objectives
After completing this lesson, you will be able to:

● Integrate customers as locations

Lesson 6: Integrating Vendors as Locations
Lesson Objectives
After completing this lesson, you will be able to:

- Integrate vendors as locations

**Lesson 7: Integrating Factory Calendars and Time Streams**

**Lesson Objectives**

After completing this lesson, you will be able to:

- Integrate factory calendars and time streams
Lesson 1: Integrating Products

Lesson Objectives
After completing this lesson, you will be able to:

- Integrate products

Lesson 2: Maintaining Product Data

Lesson Objectives
After completing this lesson, you will be able to:

- Use mass processing to maintain product data in SAP SCM
Lesson 1: Integrating Purchasing Information Records

Lesson Objectives
After completing this lesson, you will be able to:

• Integrate purchasing information records

Lesson 2: Integrating Scheduling Agreements

Lesson Objectives
After completing this lesson, you will be able to:

• Integrate scheduling agreements
Lesson 1: Creating Means of Transportation
Lesson Objectives
After completing this lesson, you will be able to:
• Create means of transportation

Lesson 2: Creating Transportation Lanes
Lesson Objectives
After completing this lesson, you will be able to:
• Create transportation lanes
Lesson 1: Integrating Production Resources

Lesson Objectives
After completing this lesson, you will be able to:

- Integrate production resources

Lesson 2: Creating Supply Chain Management (SCM)-Specific Resources

Lesson Objectives
After completing this lesson, you will be able to:

- Create SCM-specific resources

Lesson 3: Integrating Capacity Variants

Lesson Objectives
After completing this lesson, you will be able to:

- Integrate capacity variants

Lesson 4: Integrating Setup Groups and Matrices

Lesson Objectives
After completing this lesson, you will be able to:

- Integrate setup groups and matrices
Lesson 1: Preparing Integration of Master Data

Lesson Objectives
After completing this lesson, you will be able to:

• Prepare to integrate production master data

Lesson 2: Mapping Bill of Materials (BOM) Fields

Lesson Objectives
After completing this lesson, you will be able to:

• Map the BOM fields

Lesson 3: Mapping the Routings Fields

Lesson Objectives
After completing this lesson, you will be able to:

• Map the routings fields

Lesson 4: Integrating Production Master Data

Lesson Objectives
After completing this lesson, you will be able to:

• Integrate production master data
• Create a production data structure (PDS)
• Create a production process model (PPM)
• Create a PDS and PPM for Supply Network Planning (SNP)

Lesson 5: Transferring a Master Recipe to a Production Process Model (PPM)

Lesson Objectives
After completing this lesson, you will be able to:
Lesson 6: Transferring Characteristics and Classes

Lesson Objectives
After completing this lesson, you will be able to:

- Transfer characteristics and classes
Lesson 1: Creating Quota Arrangements

Lesson Objectives
After completing this lesson, you will be able to:

• Create quota arrangements
Lesson 1: Creating an SAP liveCache Model

Lesson Objectives
After completing this lesson, you will be able to:

- Create an SAP liveCache model

Lesson 2: Creating a Version in SAP SCM

Lesson Objectives
After completing this lesson, you will be able to:

- Create a version in SAP SCM

Lesson 3: Using the Supply Chain Engineer (SCE)

Lesson Objectives
After completing this lesson, you will be able to:

- Use the Supply Chain Engineer (SCE)
Lesson 1: Integrating Transactional Data

Lesson Objectives
After completing this lesson, you will be able to:

• Integrate transactional data
Lesson 1: Preparing Master Data for Subcontracting

Lesson Objectives
After completing this lesson, you will be able to:

- Prepare master data for subcontracting