COURSE OUTLINE

Course Version: 17
Course Duration:
SAP Copyrights, Trademarks and Disclaimers

© 2020 SAP SE or an SAP affiliate company. 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 or an SAP affiliate company.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. Please see http://global12.sap.com/corporate-en/legal/copyright/index.epx for additional trademark information and notices.

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

National product specifications may vary.

This course may have been machine translated and may contain grammatical errors or inaccuracies.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP SE or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP SE or SAP affiliate company 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.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE’s or its affiliated companies’ strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.
American English is the standard used in this handbook. The following typographic conventions are also used.

<table>
<thead>
<tr>
<th>Conventions</th>
<th>Example Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>This information is displayed in the instructor’s presentation</td>
<td></td>
</tr>
<tr>
<td>Demonstration</td>
<td></td>
</tr>
<tr>
<td>Procedure</td>
<td></td>
</tr>
<tr>
<td>Warning or Caution</td>
<td></td>
</tr>
<tr>
<td>Hint</td>
<td></td>
</tr>
<tr>
<td>Related or Additional Information</td>
<td></td>
</tr>
<tr>
<td>Facilitated Discussion</td>
<td></td>
</tr>
<tr>
<td>User interface control</td>
<td>Example text</td>
</tr>
<tr>
<td>Window title</td>
<td>Example text</td>
</tr>
</tbody>
</table>
## Contents

### Course Overview

<table>
<thead>
<tr>
<th>Unit 1: Understanding Key Concepts of SAP BW/4HANA</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Lesson: Introducing SAP BW/4HANA</td>
</tr>
<tr>
<td>1</td>
<td>Lesson: Describing how SAP HANA Powers SAP BW/4HANA</td>
</tr>
<tr>
<td>1</td>
<td>Lesson: Working with SAP BW/4HANA Tools</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit 2: Working with Master Data in SAP BW/4HANA</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Lesson: Creating an InfoObject: Characteristic</td>
</tr>
<tr>
<td>3</td>
<td>Lesson: Creating a Generic DataSource</td>
</tr>
<tr>
<td>3</td>
<td>Lesson: Creating Transformation and Data Transfer Process (DTP) for Attribute Master Data Loading</td>
</tr>
<tr>
<td>3</td>
<td>Lesson: Outlining the Graphical Data Flow Modeling</td>
</tr>
<tr>
<td>3</td>
<td>Lesson: Modeling and Administration of SAP BW/4HANA Hierarchies</td>
</tr>
<tr>
<td>3</td>
<td>Lesson: Deleting and Activating Master Data</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit 3: Working with Transactional Data in SAP BW/4HANA</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Lesson: Introducing InfoProviders</td>
</tr>
<tr>
<td>5</td>
<td>Lesson: Creating a Key Figure InfoObject</td>
</tr>
<tr>
<td>5</td>
<td>Lesson: Modeling Data Mart DataStore Objects (Advanced)</td>
</tr>
<tr>
<td>5</td>
<td>Lesson: Creating a Data Flow for Transaction Data</td>
</tr>
<tr>
<td>5</td>
<td>Lesson: Creating a Standard DataStore Object and Loading Data from a Flatfile DataSource</td>
</tr>
<tr>
<td>6</td>
<td>Lesson: Modeling CompositeProviders</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit 4: Integrating Native SAP HANA Models with SAP BW/4HANA</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Lesson: Exploring the SAP HANA Modeler Perspective</td>
</tr>
<tr>
<td>7</td>
<td>Lesson: Outlining Data Provisioning in SAP HANA</td>
</tr>
<tr>
<td>7</td>
<td>Lesson: Introducing SAP HANA Native Modeling</td>
</tr>
<tr>
<td>7</td>
<td>Lesson: Combining SAP BW/4HANA InfoProviders with SAP HANA Calculation Views</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit 5: Working with Open ODS Views</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Lesson: Creating Open ODS Views</td>
</tr>
<tr>
<td>9</td>
<td>Lesson: Creating DataSources from Open ODS View</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit 6: Working with Transformations and Data Transfer Processes (DTP)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>Lesson: Implementing Transformations</td>
</tr>
<tr>
<td>11</td>
<td>Lesson: Creating Data Transfer Processes (DTP)</td>
</tr>
<tr>
<td>Page</td>
<td>Unit</td>
</tr>
<tr>
<td>------</td>
<td>--------------</td>
</tr>
<tr>
<td>13</td>
<td>Unit 7:</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Unit 8:</td>
</tr>
<tr>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>
TARGET AUDIENCE
This course is intended for the following audiences:

- Business Analyst
- Business Process Owner/Team Lead/Power User
- User
Lesson 1: Introducing SAP BW/4HANA

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

- Describe data warehousing
- Describe SAP BW/4HANA

Lesson 2: Describing how SAP HANA Powers SAP BW/4HANA

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

- Describe how SAP HANA powers SAP BW/4HANA

Lesson 3: Working with SAP BW/4HANA Tools

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

- Work with SAP BW/4HANA tools
UNIT 2
Working with Master Data in SAP BW/4HANA

Lesson 1: Creating an InfoObject: Characteristic
Lesson Objectives
After completing this lesson, you will be able to:
• Explain the InfoObject: Characteristic

Lesson 2: Creating a Generic DataSource
Lesson Objectives
After completing this lesson, you will be able to:
• Create a generic DataSource

Lesson 3: Creating Transformation and Data Transfer Process (DTP) for Attribute Master Data Loading
Lesson Objectives
After completing this lesson, you will be able to:
• Create transformation and data transfer process (DTP) for attribute master data loading

Lesson 4: Outlining the Graphical Data Flow Modeling
Lesson Objectives
After completing this lesson, you will be able to:
• Understand the graphical data flow modeling

Lesson 5: Modeling and Administration of SAP BW/4HANA Hierarchies
Lesson Objectives
After completing this lesson, you will be able to:
• Model and load a simple SAP BW/4HANA hierarchy

Lesson 6: Deleting and Activating Master Data
Lesson Objectives
After completing this lesson, you will be able to:

- Understand deletion and activation of master data
Lesson 1: Introducing InfoProviders
Lesson Objectives
After completing this lesson, you will be able to:

- Describe InfoProviders

Lesson 2: Creating a Key Figure InfoObject
Lesson Objectives
After completing this lesson, you will be able to:

- Create a key figure InfoObject

Lesson 3: Modeling Data Mart DataStore Objects (Advanced)
Lesson Objectives
After completing this lesson, you will be able to:

- Model Data Mart DataStore Objects

Lesson 4: Creating a Data Flow for Transaction Data
Lesson Objectives
After completing this lesson, you will be able to:

- Create a data flow for transaction data

Lesson 5: Creating a Standard DataStore Object and Loading Data from a Flatfile DataSource
Lesson Objectives
After completing this lesson, you will be able to:

- Create a Standard DataStore Object
- Load Data from Flatfile DataSource into the DataStore Object
- Activate data in a DataStore Object (advanced)
Lesson 6: Modeling CompositeProviders

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

- Create a CompositeProvider
Lesson 1: Exploring the SAP HANA Modeler Perspective

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

- Explore SAP HANA Studio

Lesson 2: Outlining Data Provisioning in SAP HANA

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

- Describe data provisioning in SAP HANA

Lesson 3: Introducing SAP HANA Native Modeling

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

- Create SAP HANA calculation views with SAP HANA Modeling

Lesson 4: Combining SAP BW/4HANA InfoProviders with SAP HANA Calculation Views

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

- Combine SAP BW InfoProvider with SAP HANA views
Lesson 1: Creating Open ODS Views

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

- Create Open ODS views

Lesson 2: Creating DataSources from Open ODS View

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

- Create DataSources from Open ODS views to persist data in SAP BW/4HANA
Lesson 1: Implementing Transformations

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

• Implement transformations

Lesson 2: Creating Data Transfer Processes (DTP)

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

• Implement data transfer processes (DTP)
Lesson 1: Managing DataStore Objects (Advanced)

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

- Managing DataStore objects (advanced)

Lesson 2: Creating Process Chains

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

- Create a process chain

Lesson 3: Managing SAP HANA Delta Merge in SAP BW/4HANA

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

- Explain SAP HANA delta merge
Lesson 1: Glossary

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

• Understand the key terms used with SAP BW/4HANA