

E2E220

SAP Test Management Overview

COURSE OUTLINE

Course Version: 20

Course Duration:

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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	<i>Example text</i>
Window title	<i>Example text</i>

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Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Change Manager
- Application Consultant
- Enterprise Architect
- Program/Project Manager
- System Architect
- Technology Consultant
- Trainer
- User

Lesson 1: Introducing Test Management

Lesson Objectives

After completing this lesson, you will be able to:

- Explain Test Capabilities of SAP Solution Manager

Lesson 2: Implementing Test Process

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the Test Process supported by SAP Solution Manager

Lesson 1: Mapping the System Landscape

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the purpose of logical components in the SAP Solution Manager

Lesson 2: Creating a Solution Manager Process Structure

Lesson Objectives

After completing this lesson, you will be able to:

- Identify the main elements of a Solution Manager Solution with regards to testing

Lesson 1: Setting Up the Test Management Scenario

Lesson Objectives

After completing this lesson, you will be able to:

- Configure the central settings of the SAP Solution Manager Test Suite
- Set up the reporting of SAP Solution Manager

Lesson 2: Creating Test Cases

Lesson Objectives

After completing this lesson, you will be able to:

- Create test cases and assign them as business process content to your SAP Solution Manager process documentation

Lesson 3: Managing the Test Plan

Lesson Objectives

After completing this lesson, you will be able to:

- Create a test plan (test scope) based on the test cases in the configuration
- Understand how test packages can be tailored and the assignment of tester works
- Know how to assign a release status schemas to a test plan

Lesson 4: Enhancing Test Planning

Lesson Objectives

After completing this lesson, you will be able to:

- Explain how to ease test scope definition for high volumes of business processes
- Understand the process of test effort calculation and reporting

Lesson 5: Processing Test Cases and Reporting a Test Defect

Lesson Objectives

After completing this lesson, you will be able to:

- Process test cases from a test package
- Set the status of a test case
- Add a note to a test case
- Report a test defect

Lesson 6: Managing Test Reporting

Lesson Objectives

After completing this lesson, you will be able to:

- Analyze testing-related gaps in process documentation, test plans, and test packages
- Display the current status of one or more test plans in the test suite
- Use BI reporting functionality for test reporting purposes

Lesson 1: BPCA Overview

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the BPCA technical prerequisites, possible use cases, and best practices

Lesson 2: BPCA Preparation Activities

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the setup procedure for BPCA and the automated creation of TBOMs

Lesson 3: Performing a Change Impact Analysis

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the use cases for the Change Impact Analysis using BPCA
- Run a Change Impact Analysis
- Evaluate a Change Impact Analysis
- Create a new test plan based on the Change Impact Analysis

Lesson 4: Understanding the SEA principles and use cases

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the SEA principles and use cases

Lesson 5: Scope and Effort Analysis

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the use case for the SEA

- Run an SEA Use analysis
- Evaluate SEA results

Lesson 1: Understanding Automated and Manual Testing

Lesson Objectives

After completing this lesson, you will be able to:

- Recognize the advantages and drawbacks of manual and automated testing

Lesson 2: Understanding Components and Prerequisites

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the test automation capabilities and components of CBTA as well as the technical prerequisites and the setup procedure for CBTA

Lesson 3: Defining Automated Tests

Lesson Objectives

After completing this lesson, you will be able to:

- Set up a System Data Container
- Understand parameterization for automated scripts
- Handle test data containers

Lesson 4: Understanding Test Automation with CBTA

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the construction and functionality of CBTA test configurations

Lesson 5: Scheduling unattended Tests

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the principle of scheduling unattended tests

Lesson 6: Automated Test Reporting

Lesson Objectives

After completing this lesson, you will be able to:

- Analyze test results in CBTA logs
- Explain how test results can be accessed

Lesson 7: Explaining the accelerated maintenance of damaged Test Cases

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the workflow for the repair of damaged test cases
- Explain the benefits for test case developers to identify reasons for a damaged test case

Lesson 1: Setting up the Test Environment

Lesson Objectives

After completing this lesson, you will be able to:

- Explain how to use the Test Data Migration Server to set up a test environment using a subset of your productive data

Lesson 1: Introducing Capabilities, Test Strategy, Test Types, Branches & Test Systems for Focused Build

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the Test Strategy, Test Types and Approach of Test Management for Focused Build

Lesson 2: Unit Tests

Lesson Objectives

After completing this lesson, you will be able to:

- Know and understand how Focused Build supports Unit Tests

Lesson 3: Single Functional Tests and Acceptance Tests

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the three variants of the Single Functional Test and Acceptance Test supported by Focused Build

Lesson 4: Functional Integration Tests

Lesson Objectives

After completing this lesson, you will be able to:

- Know and understand the Approach of Functional Integration Tests within Focused Build

Lesson 5: Regression Tests

Lesson Objectives

After completing this lesson, you will be able to:

- Know and understand the process of Regression Testing in Focused Build

Lesson 6: Test Management features of Focused Build

Lesson Objectives

After completing this lesson, you will be able to:

- Functionalities of Focused Build for Test Management