

IOT100

SAP Leonardo Internet of Things

COURSE OUTLINE

Course Version: 11

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> |

Contents

vii **Course Overview**

1 Unit 1: Introduction to Internet of Things

- 1 Lesson: Intelligent Enterprise
- 1 Lesson: SAP Leonardo
- 1 Lesson: Internet of Things Overview

3 Unit 2: SAP Cloud Platform Internet of Things Service

- 3 Lesson: Overview
- 3 Lesson: Internet of Things Service– Onboarding
- 3 Lesson: The Internet of Things Service Cockpit

5 Unit 3: Core Service - Device Management

- 5 Lesson: Device Model
- 5 Lesson: Security
- 5 Lesson: Security Example

7 Unit 4: Core Service - API Service

- 7 Lesson: API Service
- 7 Lesson: Get all Capabilities and Devices
- 7 Lesson: Creating a Device Model with the the Internet of Things API Service

9 Unit 5: Core Services - Internet of Things Gateway

- 9 Lesson: Introduction
- 9 Lesson: Internet of Things Edge Platform
- 9 Lesson: Internet of Things Gateway Cloud
- 9 Lesson: Internet of Things Service SDK

11 Unit 6: SAP IoT Application Enablement

- 11 Lesson: Introduction
- 11 Lesson: Onboarding of IoT Application Enablement
- 11 Lesson: Thing Access and Tenant Administration
- 11 Lesson: Configuring SAP Web IDE for IoT Application Enablement

13 Unit 7: Further processing of data using SAP Cloud Platform Services

13 Lesson: Introduction

13 Lesson: Feature Scope Description for SAP Cloud Platform
Integration

13 Lesson: Feature Scope Description for SAP Cloud Platform
Business Rules

13 Lesson: Other Services in SAP Business Hub

Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Project Stakeholder
- Application Consultant
- Development Consultant
- Technology Consultant
- Data Consultant
- End User
- Business User
- Business Analyst
- Business Process Architect
- Technology Consultant

Lesson 1: Intelligent Enterprise

Lesson Objectives

After completing this lesson, you will be able to:

- Describe key areas of SAP's Intelligent Enterprise strategy

Lesson 2: SAP Leonardo

Lesson Objectives

After completing this lesson, you will be able to:

- Explain SAP Leonardo

Lesson 3: Internet of Things Overview

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the important of an IoT platform

Lesson 1: Overview

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the architecture of the SAP Cloud Platform Internet of Things Services

Lesson 2: Internet of Things Service– Onboarding

Lesson Objectives

After completing this lesson, you will be able to:

- Onboard the SAP Cloud Platform Internet of Things Service

Lesson 3: The Internet of Things Service Cockpit

Lesson Objectives

After completing this lesson, you will be able to:

- Log into the Internet of Things Service Cockpit and create device models

Lesson 1: Device Model

Lesson Objectives

After completing this lesson, you will be able to:

- Create a simple device model

Lesson 2: Security

Lesson Objectives

After completing this lesson, you will be able to:

- Examine the security capabilities when sending sensor data via the IoT Cloud Gateway

Lesson 3: Security Example

Lesson Objectives

After completing this lesson, you will be able to:

- Describe how a PKCS#12 file is created and distributed to the client

Lesson 1: API Service

Lesson Objectives

After completing this lesson, you will be able to:

- Explain how to call the Internet of Things API service

Lesson 2: Get all Capabilities and Devices

Lesson Objectives

After completing this lesson, you will be able to:

- Explain how to read out all the capabilities and devices available on your tenant

Lesson 3: Creating a Device Model with the the Internet of Things API Service

Lesson Objectives

After completing this lesson, you will be able to:

- Create a simple device model using the API

Lesson 1: Introduction

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the classification and placement of the IoT gateway tools

Lesson 2: Internet of Things Edge Platform

Lesson Objectives

After completing this lesson, you will be able to:

- Setup and configure the IoT Gateway Edge

Lesson 3: Internet of Things Gateway Cloud

Lesson Objectives

After completing this lesson, you will be able to:

- Explain different message formats

Lesson 4: Internet of Things Service SDK

Lesson Objectives

After completing this lesson, you will be able to:

- Extend the capabilities of the IoT Gateway Edge using a Java library and develop new adapters

Lesson 1: Introduction

Lesson Objectives

After completing this lesson, you will be able to:

- Explain SAP IoT Application Enablement

Lesson 2: Onboarding of IoT Application Enablement

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the difference between SaaS tenant and PaaS tenant

Lesson 3: Thing Access and Tenant Administration

Lesson Objectives

After completing this lesson, you will be able to:

- Define roles for Thing access and tenant administration

Lesson 4: Configuring SAP Web IDE for IoT Application Enablement

Lesson Objectives

After completing this lesson, you will be able to:

- Configure SAP Web IDE for IoT Application Enablement

Lesson 1: Introduction

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the SAP Cloud Platform Services

Lesson 2: Feature Scope Description for SAP Cloud Platform Integration

Lesson Objectives

After completing this lesson, you will be able to:

- Describe capabilities and purposes of cloud integration

Lesson 3: Feature Scope Description for SAP Cloud Platform Business Rules

Lesson Objectives

After completing this lesson, you will be able to:

- Describe capabilities and purposes of the SAP Cloud Platform Business Rules

Lesson 4: Other Services in SAP Business Hub

Lesson Objectives

After completing this lesson, you will be able to:

- Explain SAP API Business Hub