

# IOT100

## Internet of Things Fundamentals

### **COURSE OUTLINE**

Course Version: 10

Course Duration: 3 Day(s)



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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:





## **Lesson 1: Explaining the Internet of Things (IoT)**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Explain what the Internet of Things (IoT) is

## **Lesson 2: Describing the Basic Building Blocks of IoT**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Describe elements which make up an IoT Solution

## **Lesson 3: Outlining Customer Use Cases**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Explain the IoT roles in some of the customer use cases



## Lesson 1: Explaining End-to-End Architecture

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain the typical end-to-end solution architecture for an IoT Solution

## Lesson 2: Explaining the Difference Between Edge and Core

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain the difference between Edge and Core processing

## Lesson 3: Explaining Lambda Architecture

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain Lambda Architecture

## Lesson 4: Describing Dynamic Edge Processing

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe the concepts of Dynamic Edge processing



## Lesson 1: Describing the SAP HANA Cloud Platform

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe the SAP HANA Cloud Platform

## Lesson 2: Describing SAP HANA Cloud Integration

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe SAP HANA Cloud Integration

## Lesson 3: Describing Data Replication Tools

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe how SAP Data Services can be used in perspective of Internet of Things Solutions

## Lesson 4: Describing SLT Tools

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain the situations where SAP LT replication tools is being in Internet of Things scenarios



## Lesson 1: Explaining IoT Gateways

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain the IoT Gateways

## Lesson 2: Describing OSI Soft

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain how OSI Soft and SAP HANA work together

## Lesson 3: Describing Telit

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain how Telit and SAP HANA work together





## Lesson 1: Explaining Data Management and Dynamic Tiering

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain the concepts of Dynamic Tiering

## Lesson 2: Outlining Data Science

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain the concepts of Data science



## Lesson 1: Describing IoT Security

### Lesson Objectives

After completing this lesson, you will be able to:

- Discuss the security aspects within IoT application and solutions



## **Lesson 1: Describing Predictive Maintenance and Service**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Describe the features and functionalities for SAP Predictive Maintenance and Service (PdMS)

## **Lesson 2: Describing the Asset Intelligence Network**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Describe the features and functionalities for SAP Asset Intelligence Network (AIN)

## **Lesson 3: Describing SAP Connected Goods**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Describe the features and functionalities for SAP Connected Goods

## **Lesson 4: Describing Vehicle Insights**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Describe the features and functionalities for SAP Vehicle Insights(VI)



## Lesson 1: Explaining IoT Services Details

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain IoT Services in details