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Introduction

The cloud trend in technology is growing quickly around the world and companies are increasingly boosting their use of cloud systems, so today we can do almost anything (if not everything) from the cloud. This manual focuses on SAP HANA and SAP Data Intelligence in the cloud and provides an approach to learn easily and fast how to deploy data models and machine learning scenarios using both SAP cloud technologies. A description of the book's chapters follows:

▶▶ **Chapter 1. SAP HANA cloud overview:** An overview of what SAP HANA is:

- ▶ Database services
- ▶ Application development
- ▶ Data virtualization
- ▶ On-premise vs cloud
- ▶ SAP business technology Platform (BTP)

▶▶ **Chapter 2. SAP HANA cloud initial setup:** The initial setup of the SAP HANA cloud system:

- ▶ Database provisioning
- ▶ Business application studio (BAS)
- ▶ Building a database project
- ▶ Git configuration

▶▶ **Chapter 3. SAP HANA cloud modeling concepts:** Learn how to create a data model and convert it to a database design:

- ▶ Data model overview
- ▶ Entity relationship model (ERM)
- ▶ Normalization
- ▶ HANA modeling concepts
- ▶ Conversion of the ERM to a database design





▶▶ **Chapter 4. SAP HANA cloud deployment:** Deploy the data model on SAP HANA cloud:

- ▶ Deploying the data model
- ▶ Loading the tables
- ▶ HDI infrastructure overview

▶▶ **Chapter 5. SAP HANA cloud development:** Learn the basics of SAP HANA cloud development:

- ▶ Cloud foundry environment overview
- ▶ SQLScript basics
- ▶ Information views

▶▶ **Chapter 6. SAP Data Intelligence:** Deploy a machine learning scenario using SAP Data Intelligence integrated with SAP HANA cloud:

- ▶ Launchpad
- ▶ Connection management
- ▶ Monitoring
- ▶ Metadata Explorer
- ▶ System Management
- ▶ ML Scenario Manager
- ▶ Modeler
- ▶ HANA Cloud Connection
- ▶ Data science using SAP DI

