

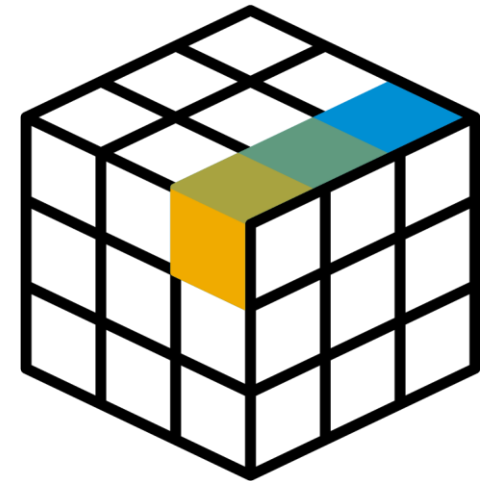


Week 1: Introducing SAP Cloud Application Programming Model

Unit 1: Introduction to SAP Cloud Application Programming Model

Motivation

- Customers need a stable environment for business application development
- Reduce high entry barrier for less tech-savvy developers
- Customers ask for guidance and best practices
- Developers want to focus on business logic



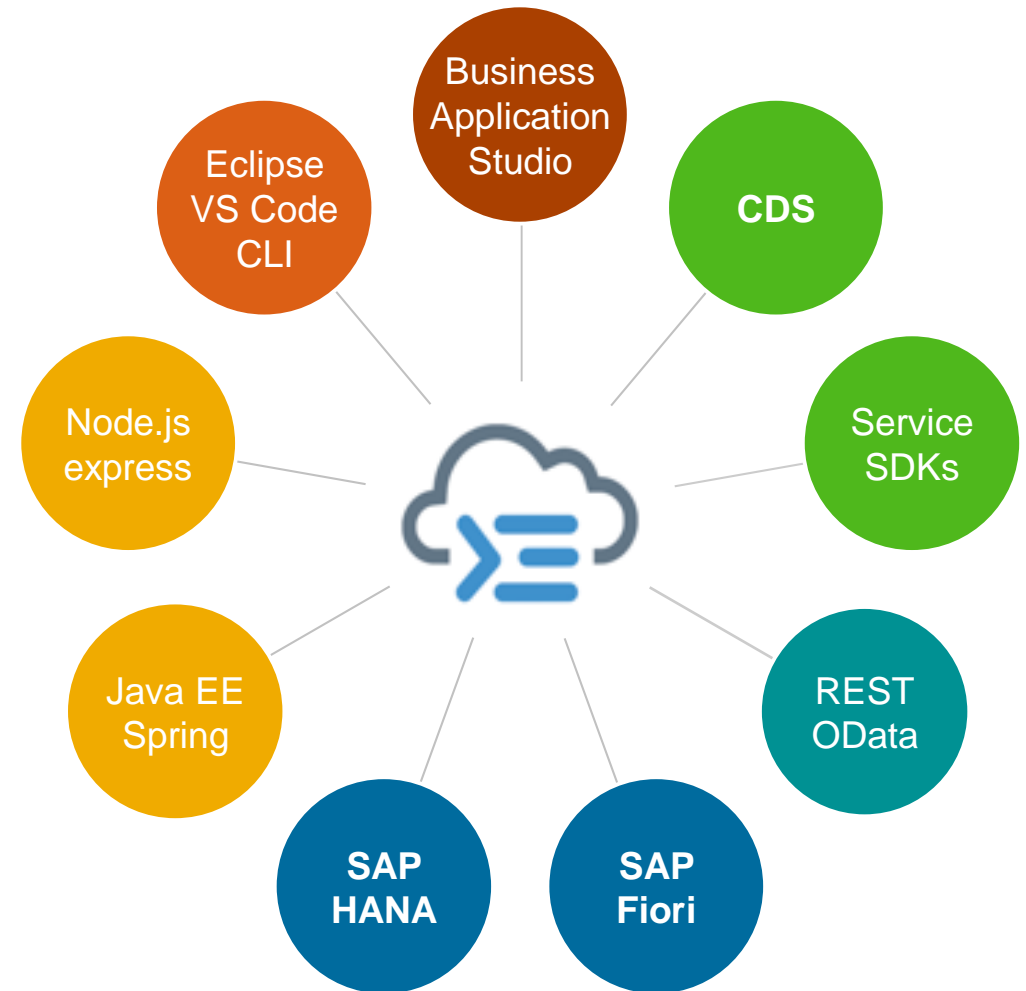
Introduction to SAP Cloud Application Programming Model

Introduction

*The SAP Cloud Application Programming Model is an **opinionated**, yet **open** framework of tools, languages, and libraries to efficiently build enterprise-grade services and applications.*

*It guides developers along a 'golden path' of proven **best practices**, while minimizing boilerplate so they can **focus on their domain** problems at hand.*

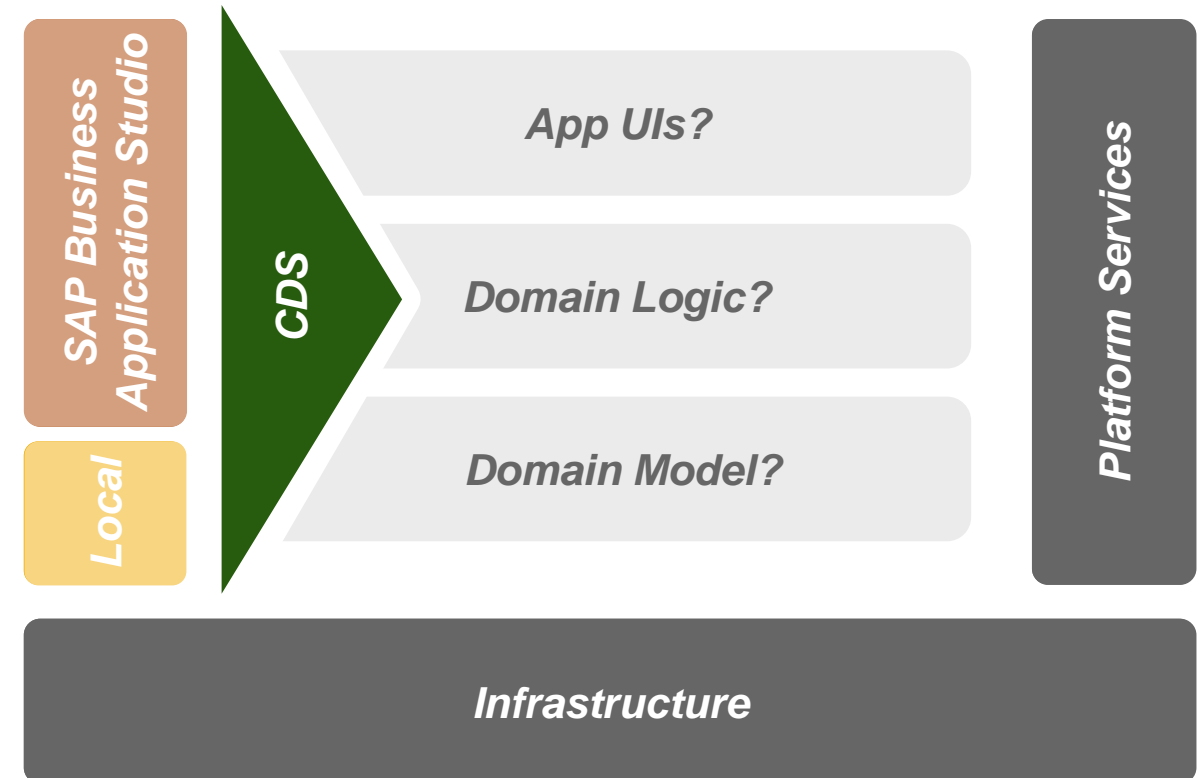
*The framework features a mix of broadly adopted **open-source** and **SAP** tools and technologies.*



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Ingredients

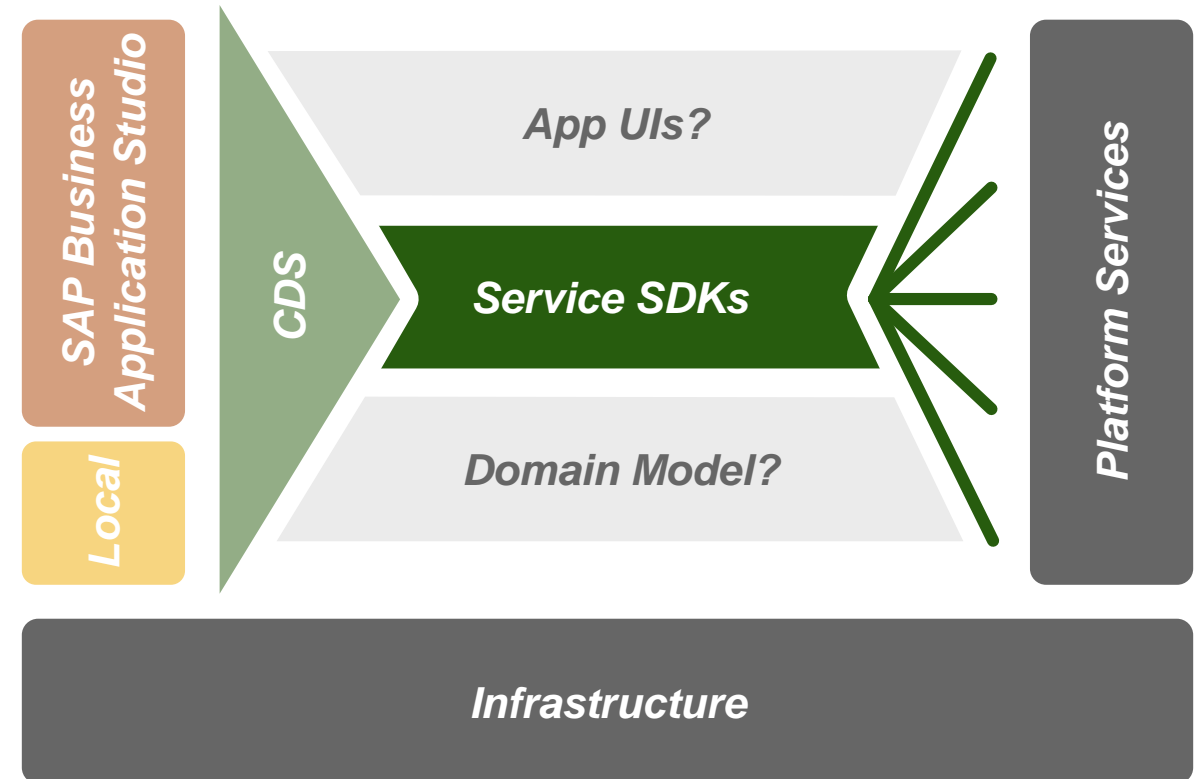
- **Core Data Services (CDS)** is a data modeling infrastructure
- You can use CDS to define data models and service definitions



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Ingredients

- Choose between **Java** and **Node.js**
- Provide and consume services
- Easy access to libraries provided by SAP
- High-level integration to low-level platform services (abstraction)

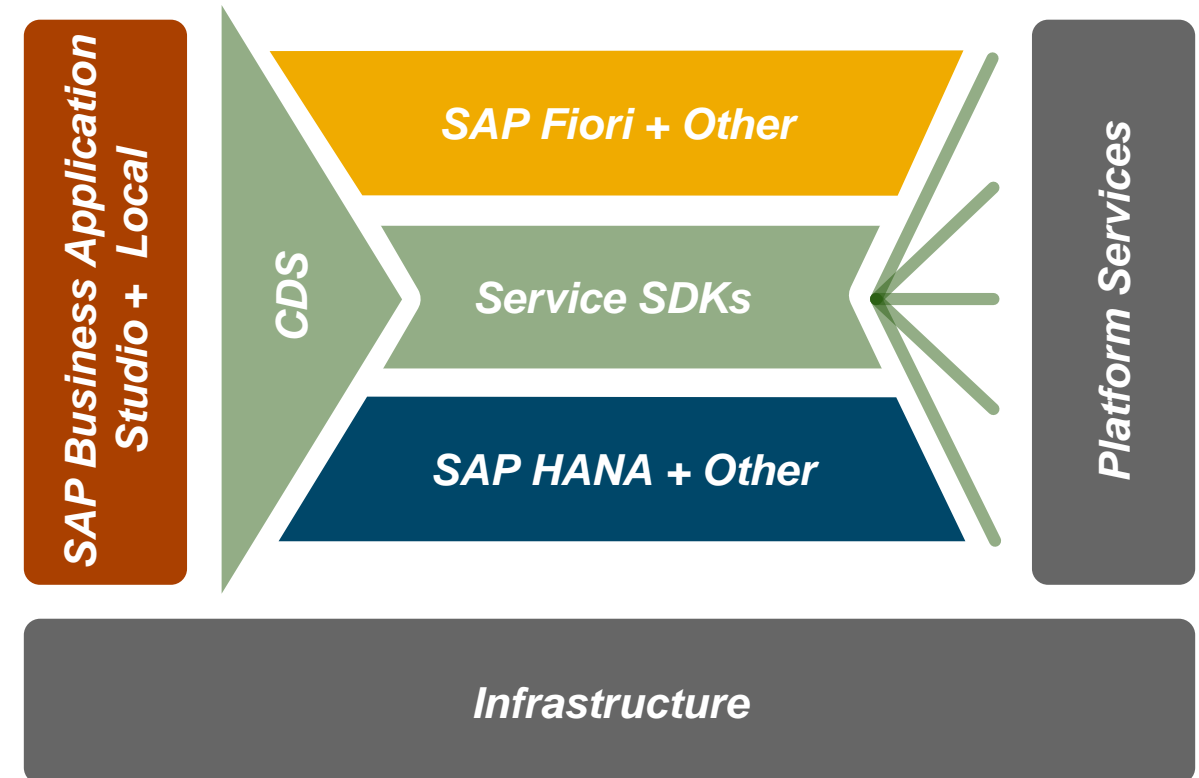


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Ingredients

Get *1st-class support* for...

- **SAP Business Application Studio**
with tailored tools
- **SAP Fiori Elements**
- **SAP HANA**



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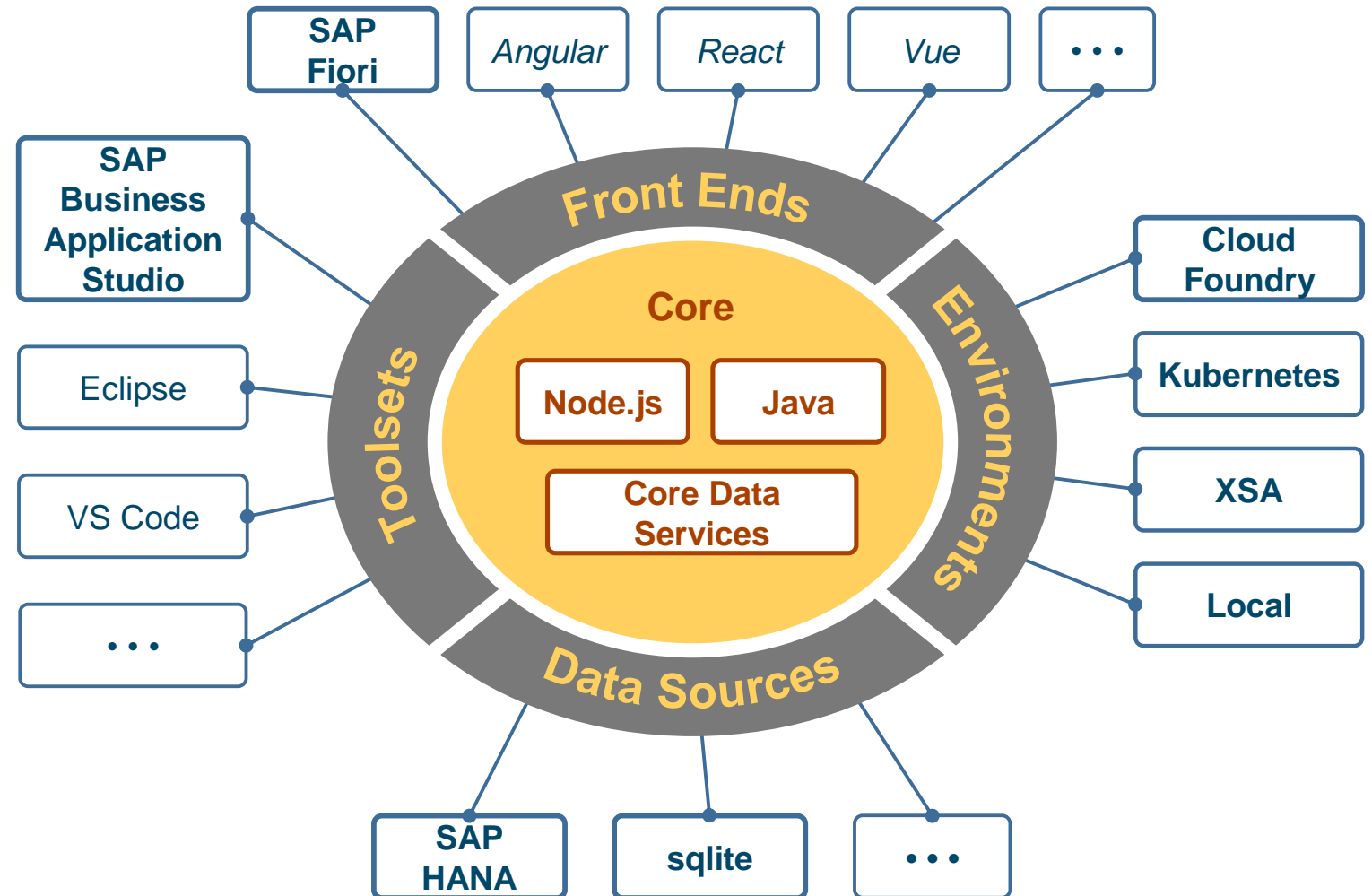
Design principles

Open

- You choose technologies
- Select your architecture pattern
- Use CAP or parts of CAP

Opinionated

- Gives guidance
- Support for recurring tasks

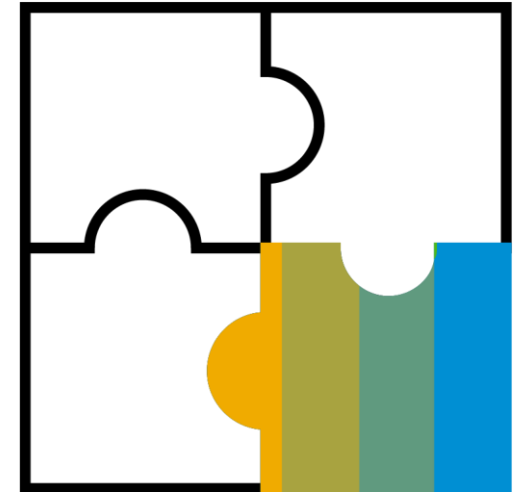


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Design principles

Zero Lock-In

- You choose UI and database technology
- SAP Fiori Elements and SAP HANA out-of-the-box
- Designed to integrate with alternatives



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Design principles

Non-Intrusive

- Your architecture, your methodology
- CAP is free of assumptions
- Avoids boilerplate using convention over configuration

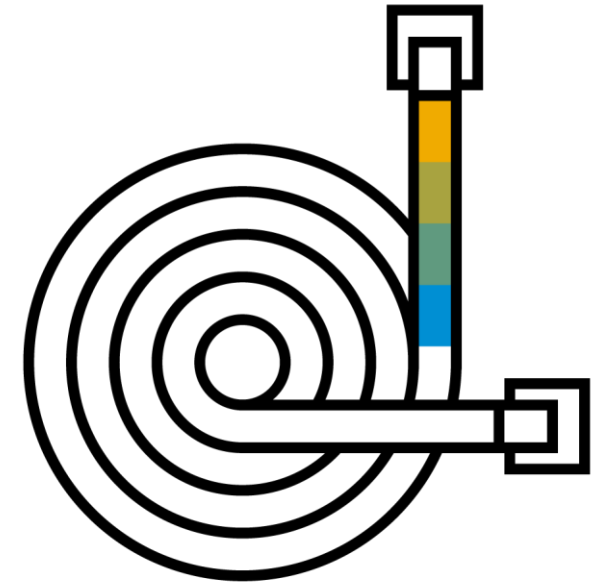


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Design principles

Platform-Agnostic

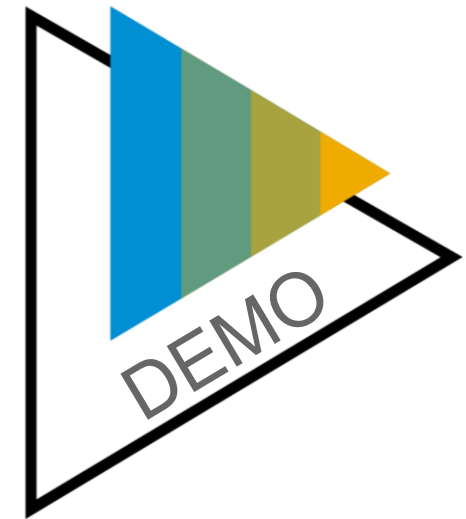
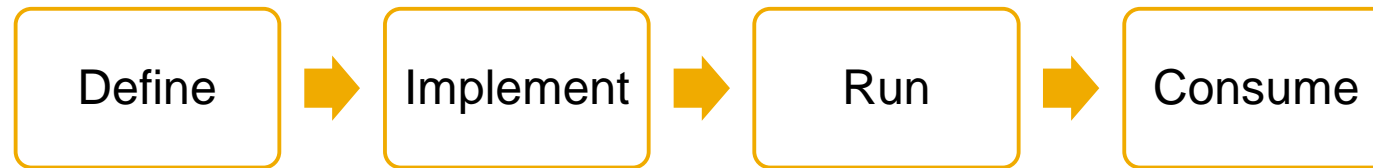
- Use higher-level APIs
- Avoids hard-wiring
- Enables you to keep pace with cloud technologies



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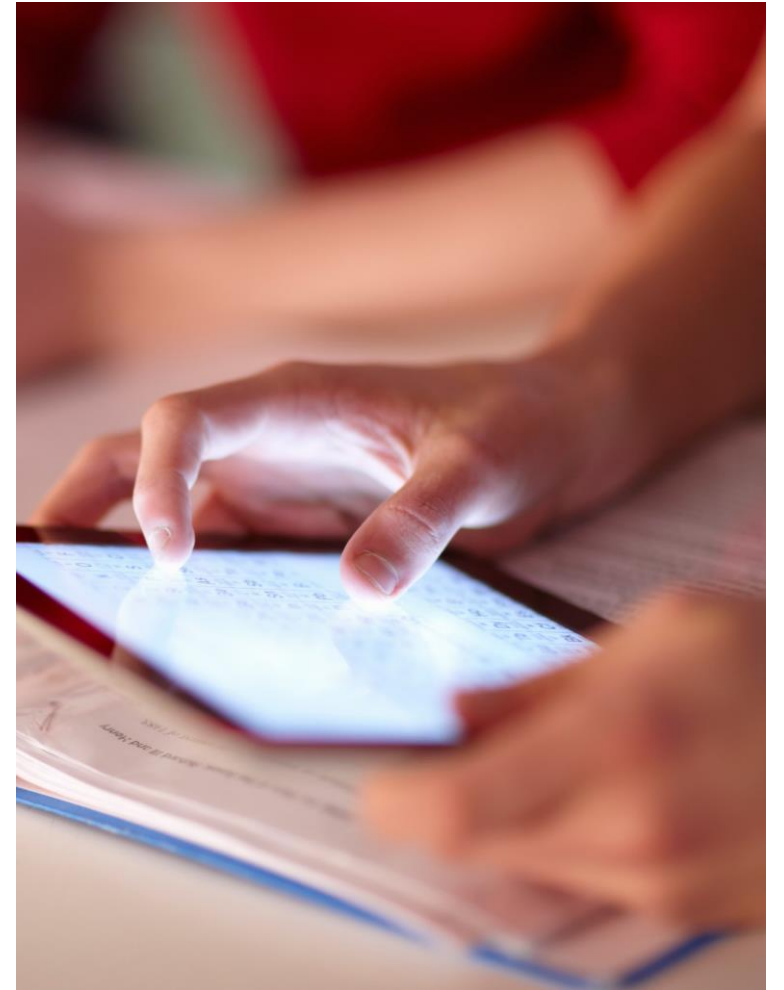
Demo

Create a “**Hello World**” application



What you've learned in this unit

- How you can focus on your business domain by using SAP Cloud Application Programming Model
- What benefits you have while developing with SAP Cloud Application Programming Model
- Which toolset and capabilities SAP Cloud Application Programming Model offers for development

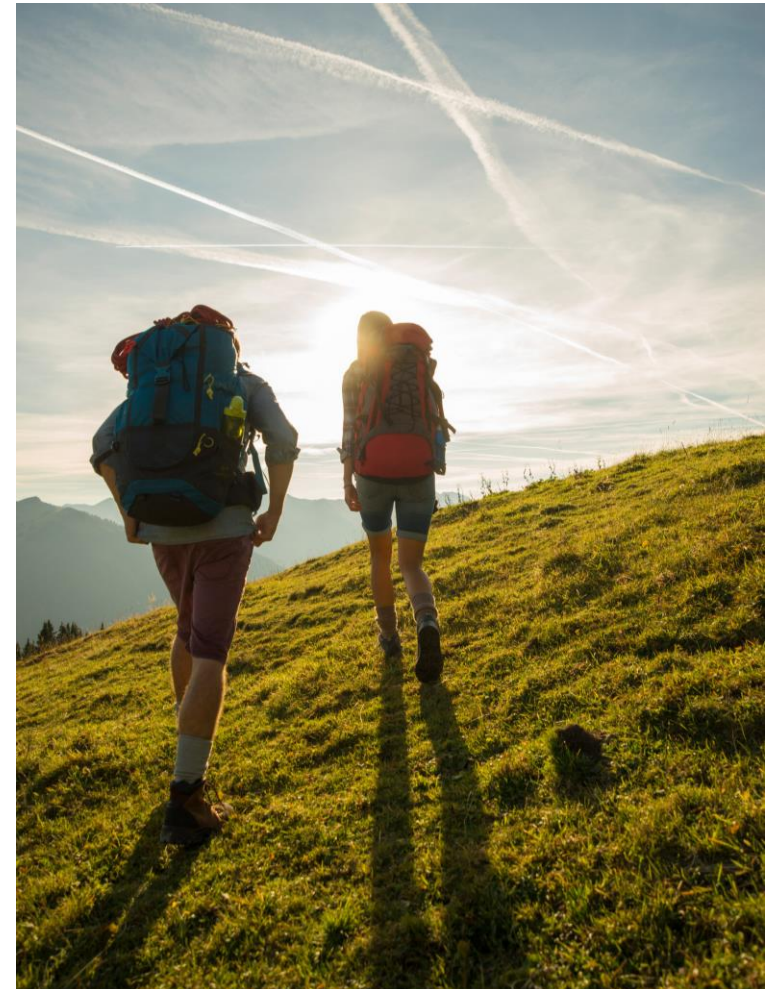


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Further reading



- [Official documentation](#)
- [Blogs Cloud Application Programming Model](#)
- [Starter Scenario](#)
- [TechEd Replay](#)
- [Hello World Tutorial](#)



Thank you.

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