



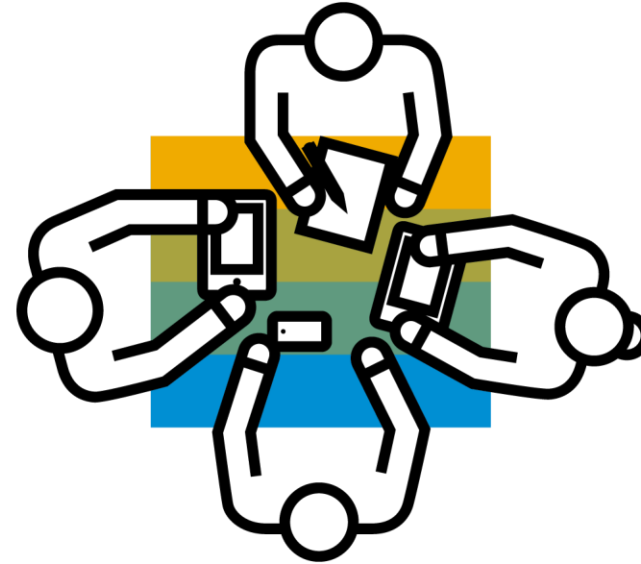
SAP Customer Experience

SAP Commerce Cloud Developer Training - Part I

INTERNAL – SAP and Partners Only

Some Necessities

- Participant List
- Course Material
- Accessing Remote Training VMs



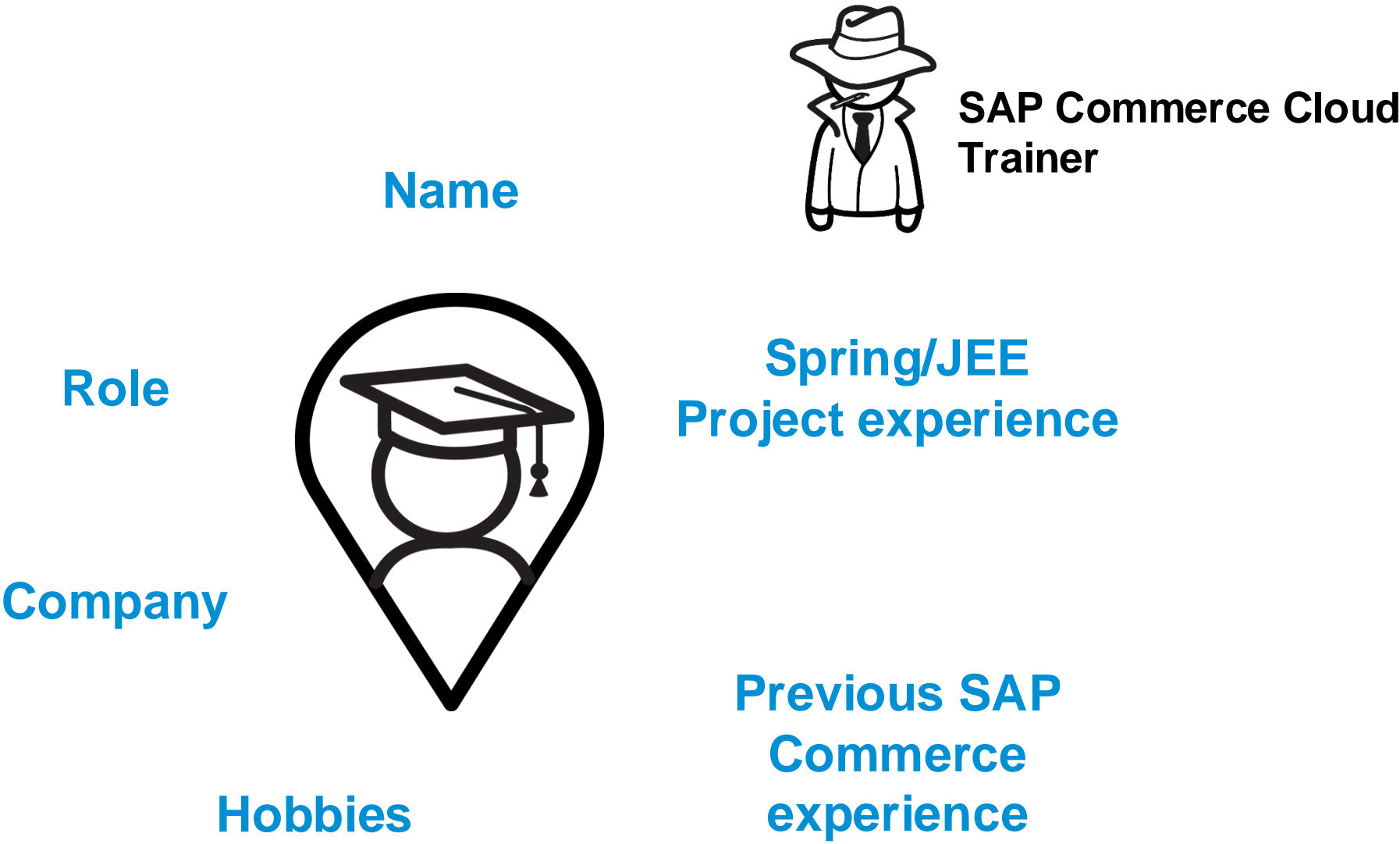
We will learn about:

- Training Overview
- SAP Commerce Cloud Overview
- Architecture Overview

Training Overview



Personal Introduction



Training Content

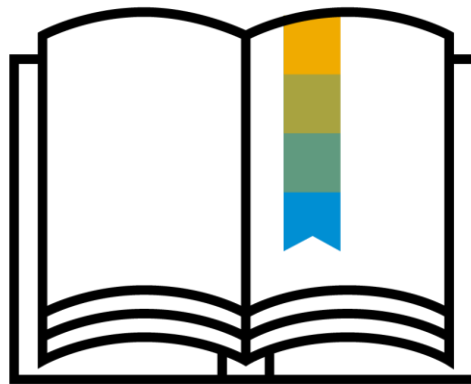
This course consists of two parts:

- In-class lectures
 - illustrate the theory behind core functionality and main concepts of SAP Commerce Cloud
 - demonstrate the software
 - give an idea of what's available out-of-the-box and what has to be implemented
- Instructor-led exercises
 - give you a chance to write a “hello world” for each area presented
 - answer your questions and assist you with the lab exercises
- It will not cover the following topics:
 - SAP Commerce concepts like Search and Navigation, Promotions or Order Management
 - for that, we offer [SAP Commerce Cloud Developer Training, part II](#)
 - Customer-specific problems
 - Advanced developer topics for SAP Commerce Cloud, composable storefront
 - for that, we offer the instructor led training: [Composable Storefront ILT Developer Training](#)
 - System Administration
 - for that, we offer the live session series: [SAP Commerce Cloud – System Administrator](#)
 - Dynatrace / APM for SAP Commerce Cloud
 - for that, we offer the live session: [Monitoring Commerce Cloud with Dynatrace](#)

SAP Certified Development Professional – SAP Commerce Cloud 2211 Developer

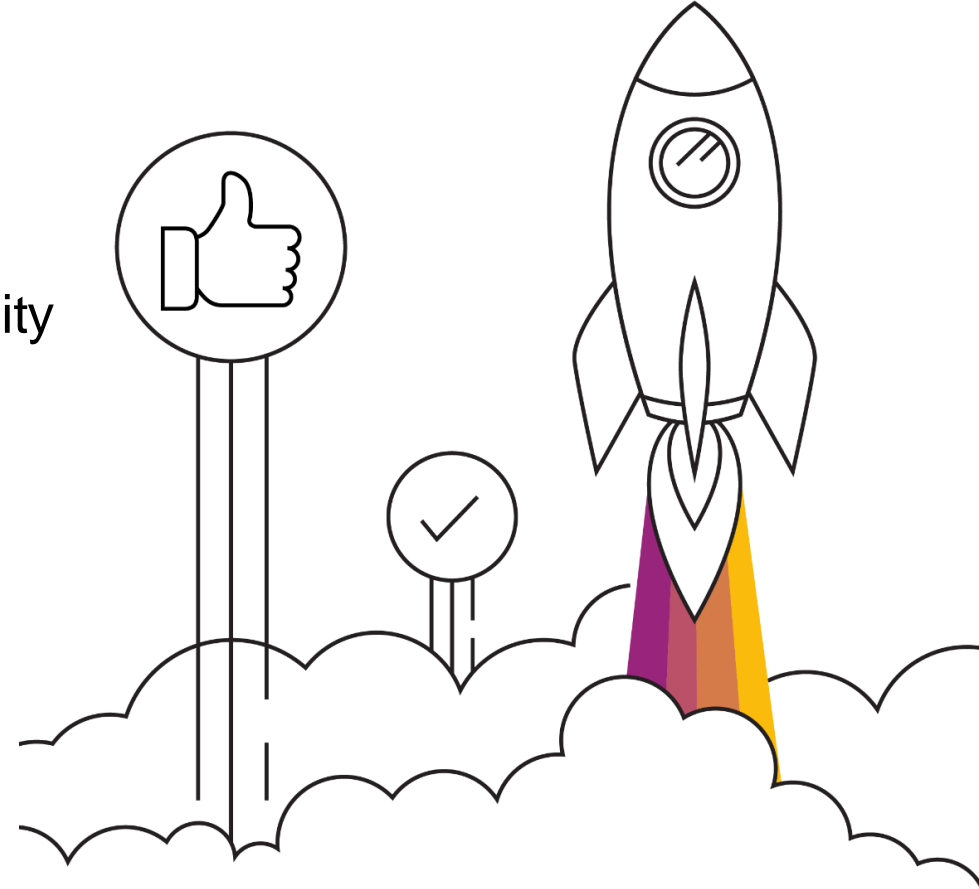
- The training content **does not** cover all the aspects related to Development Professional Certification Exam
- If you are interested to get prepared for this exam, please refer to the latest information about 2211 certification on sap training shop:

[SAP Certified Development Professional - SAP Commerce Cloud Developer](#)



Instructor-Led Hands-On

- The exercises for this class are based on SAP Commerce Cloud 2211 and SAP Commerce Cloud, Composable Storefront
- You will extend the OOTB SAP Commerce Cloud functionality
- The labs instructions are high-level. You will develop the design provided by referring to the lectures and documentation.
- Are you stuck in a lab?
 - Please ask the instructor during the class

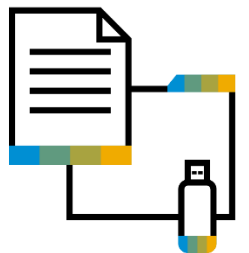
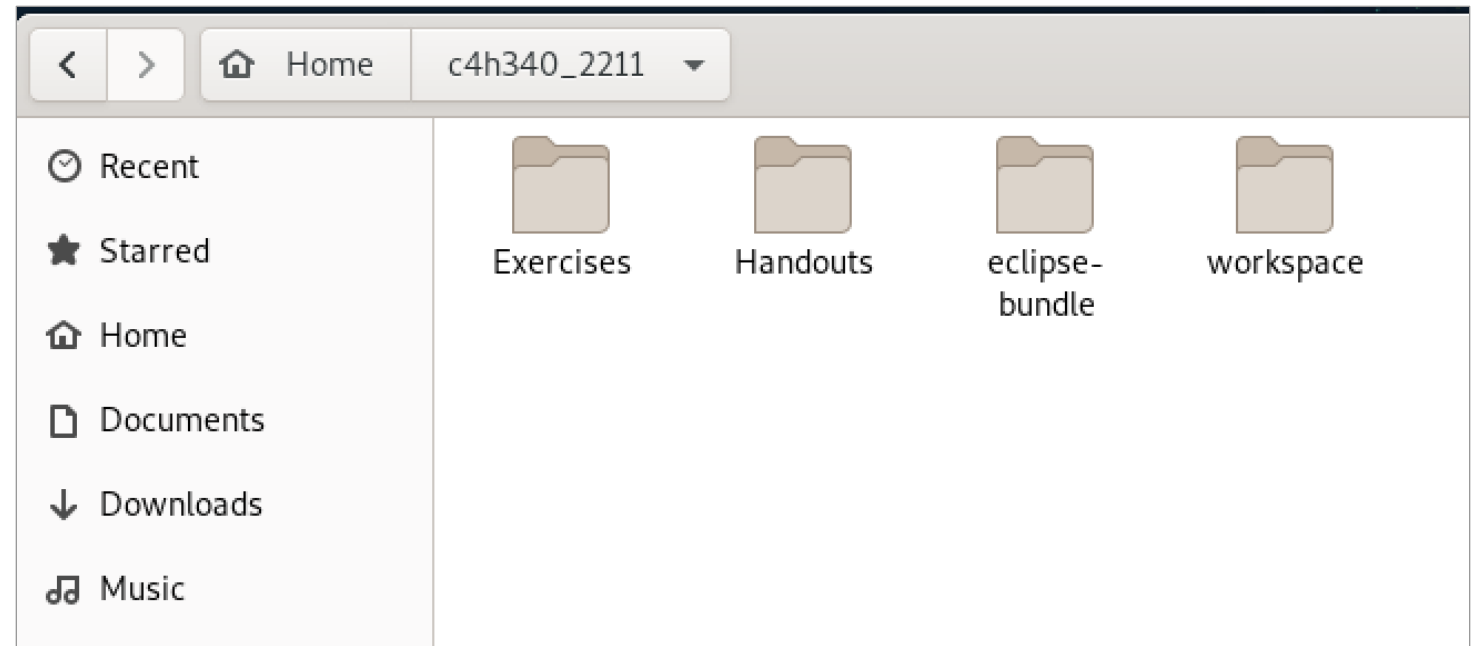


Training Environment Intro

- Laptop or personal computer
- Access to SAP VM (through SAP Training Landscape)

The VM environment contains

- JDK 17 ([SapMachine](#))
- Exercise PDFs (in *Exercises*)
- Slide PDFs (in *Handouts*)
- SAP Commerce Cloud (in *workspace*)
- An IDE
 - we provide a pre-configured Eclipse instance (in *eclipse-bundle*)
- Exercise-related apps (Visual Studio Code, see the exercise instructions for details)



Working Hours – Day 1



Day 1



9:00

1. Overview
2. Installing SAP Commerce Cloud

Exercise – Setup

12:30

Lunch

13:30

Exercise – Setup

3. Data Modeling

17:00

Exercise – Data Modeling

Working Hours – Day 2



Day 2



9:00

4. Product Modeling

Exercise – Product Modeling

12:30

5. ImpEx

Lunch

13:30

Exercise – ImpEx

6. Flexible Search

17:00

Exercise – Flexible Search

Working Hours – Day 3



Day 3



9:00

7. Services

Exercise – Services

12:30

8. Facades

Lunch

13:30

Exercise – Facades

9. Composable Storefront Briefing

17:00

Exercise – Composable Storefront

Working Hours – Day 4



Day 4



9:00

10. WCMS

Exercise – WCMS

12:30

11. SAP Commerce Cloud Portal

Lunch

13:30

12. Security

Exercise – Security

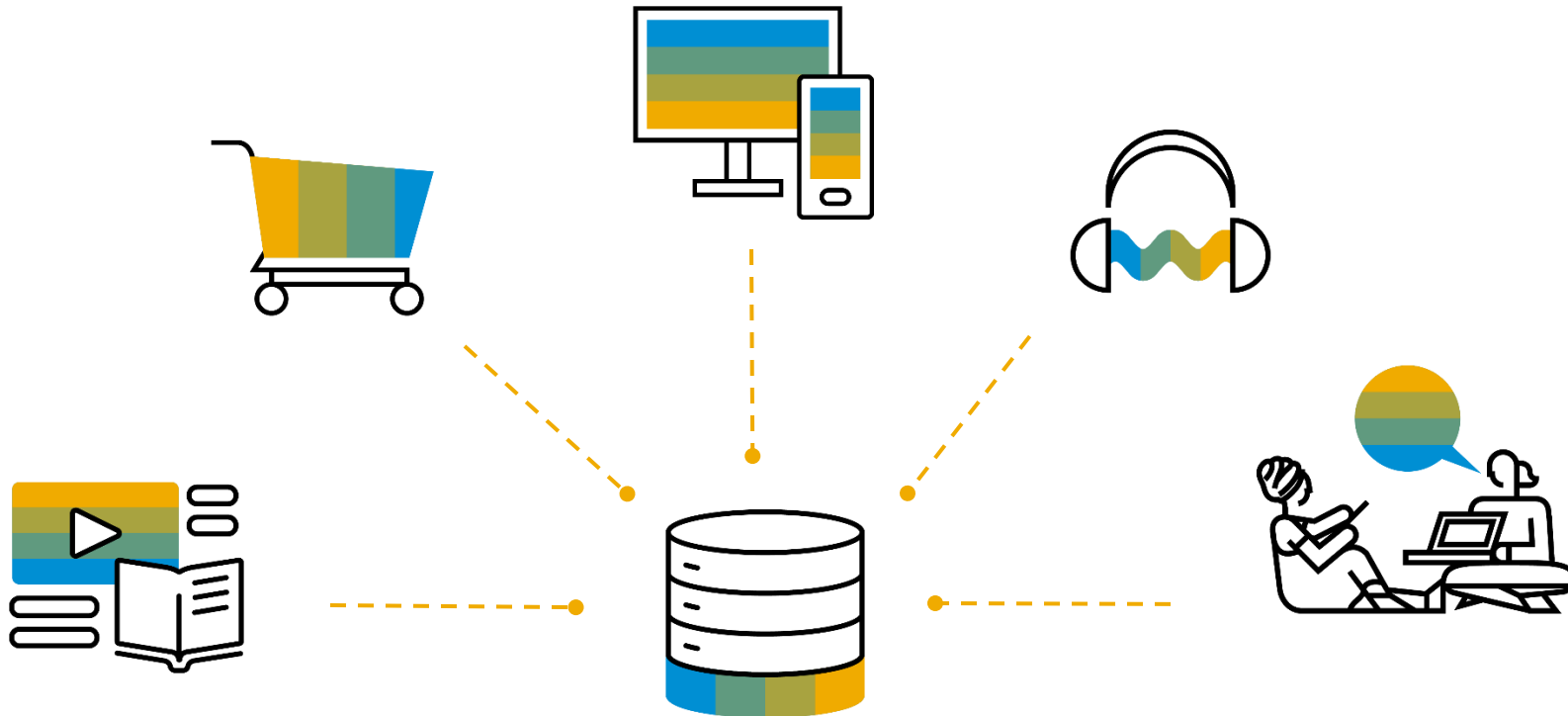
13. SAP Commerce Cloud Know-How

SAP Commerce Cloud Overview

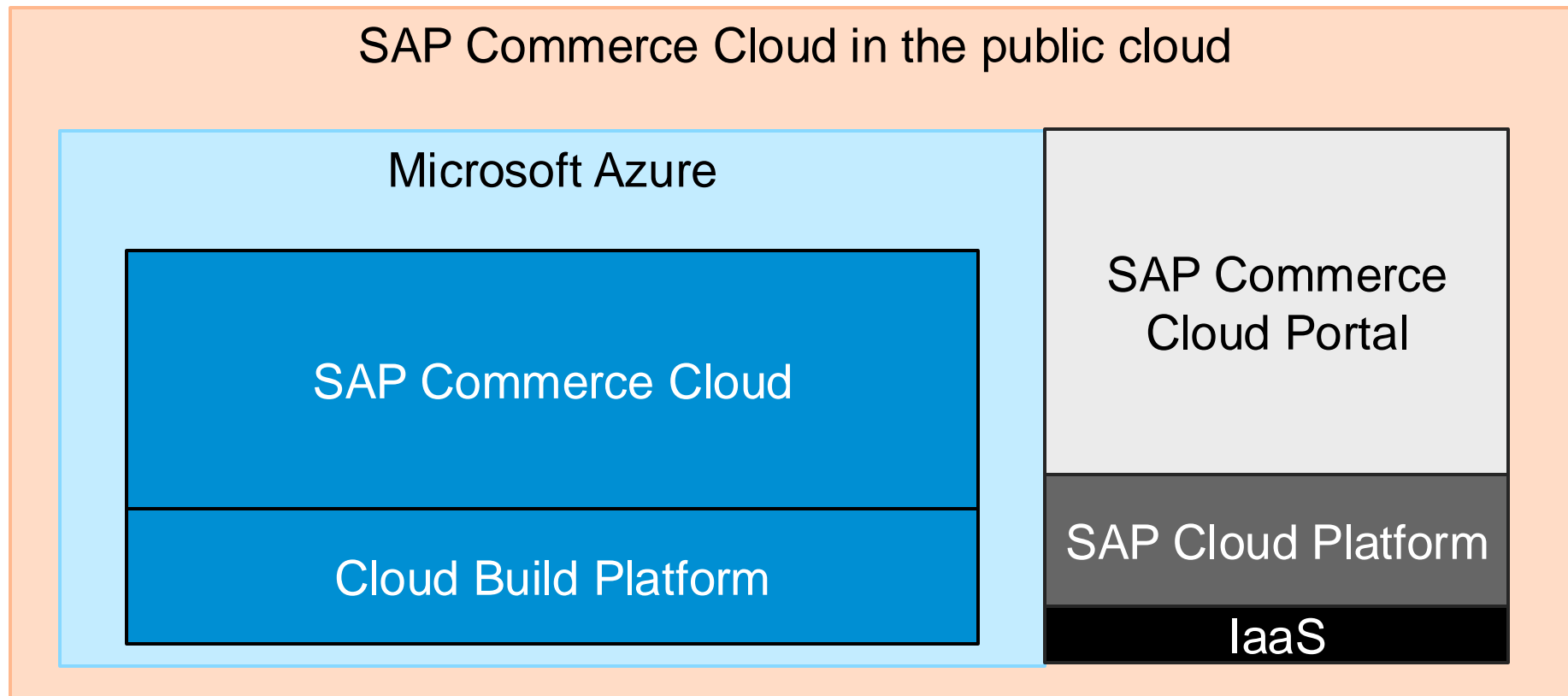


About SAP Commerce Cloud

- SAP Commerce Cloud is a highly flexible, full-featured, and extensible library of tools for building unique commerce experiences on public cloud infrastructure.
- It is an omni-channel platform
 - It interacts with customers over the web, mobile devices, email, kiosks, or through support reps
 - It is connected to product and website content catalogs, inventory and fulfillment systems, ERPs, etc.



SAP Commerce Cloud (in the public cloud)



The SAP Commerce Cloud Platform

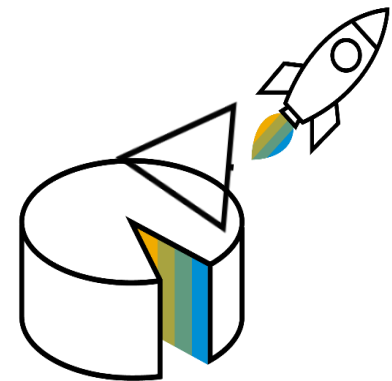


- Composed of a standard set of extensions providing base functionality
 - You will build your site atop standard extensions, maintaining a clear code and configuration separation
- An extension:
 - Is the packaging mechanism for a SAP Commerce Cloud feature
 - Contains business logic, type definitions, RESTful web service customization, etc.
- Database and application server abstraction layer
 - ORM framework
 - Build framework
 - Data modeling, validation and imports
 - Configuration files
- SAP Commerce Cloud Server

Building a commerce site with SAP Commerce Cloud

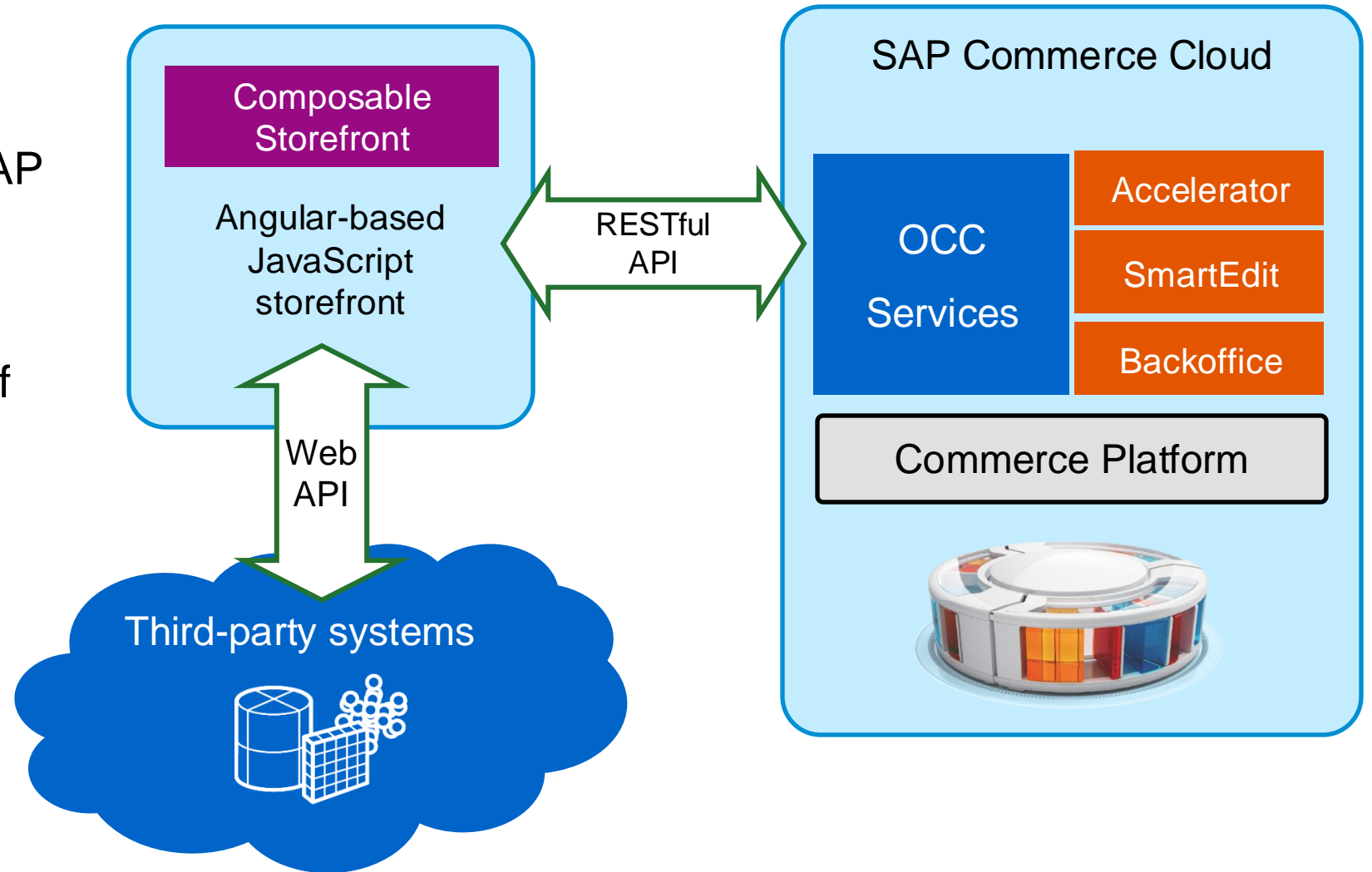
- Some SAP CX customers build their commerce sites from the ground up
 - where the ground is just the standard SAP Commerce Cloud platform!
- However, most leverage the manifold OOTB SAP Commerce Cloud functionalities and its Composable Storefront
 - Functional sites that serve as starting points for your development.
 - Allow you to jump-start your implementation, shortening your development time, and simplifying maintenance
- Accelerator template UIs are deprecated; instead, **use our modern, Angular-based SAP Commerce Cloud, composable storefront.**

Note: Some industry solutions are released as separate product packs, which need to be independently downloaded and installed



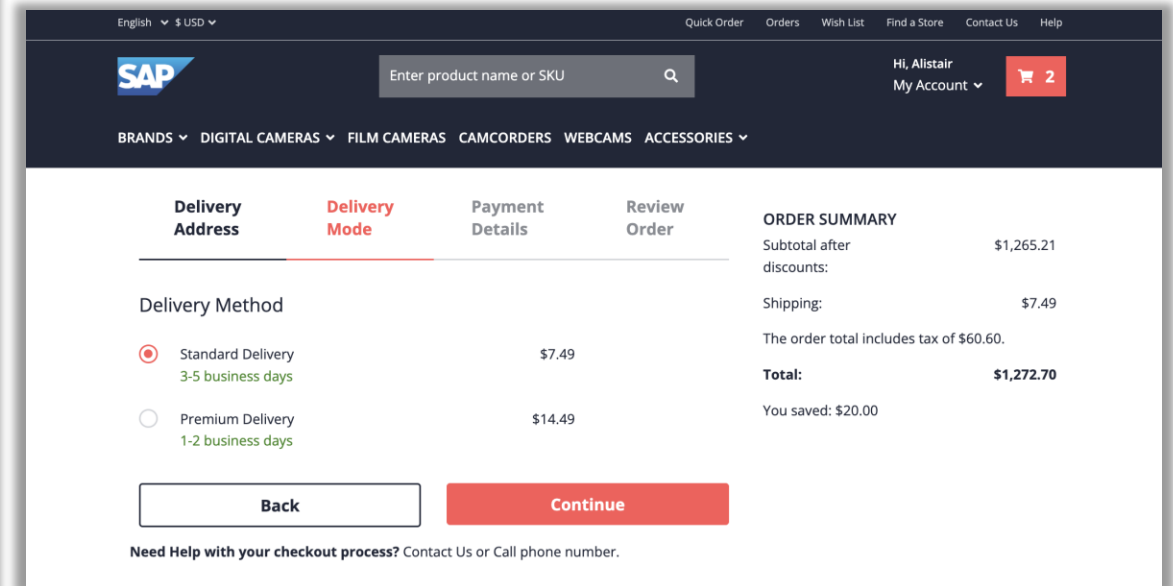
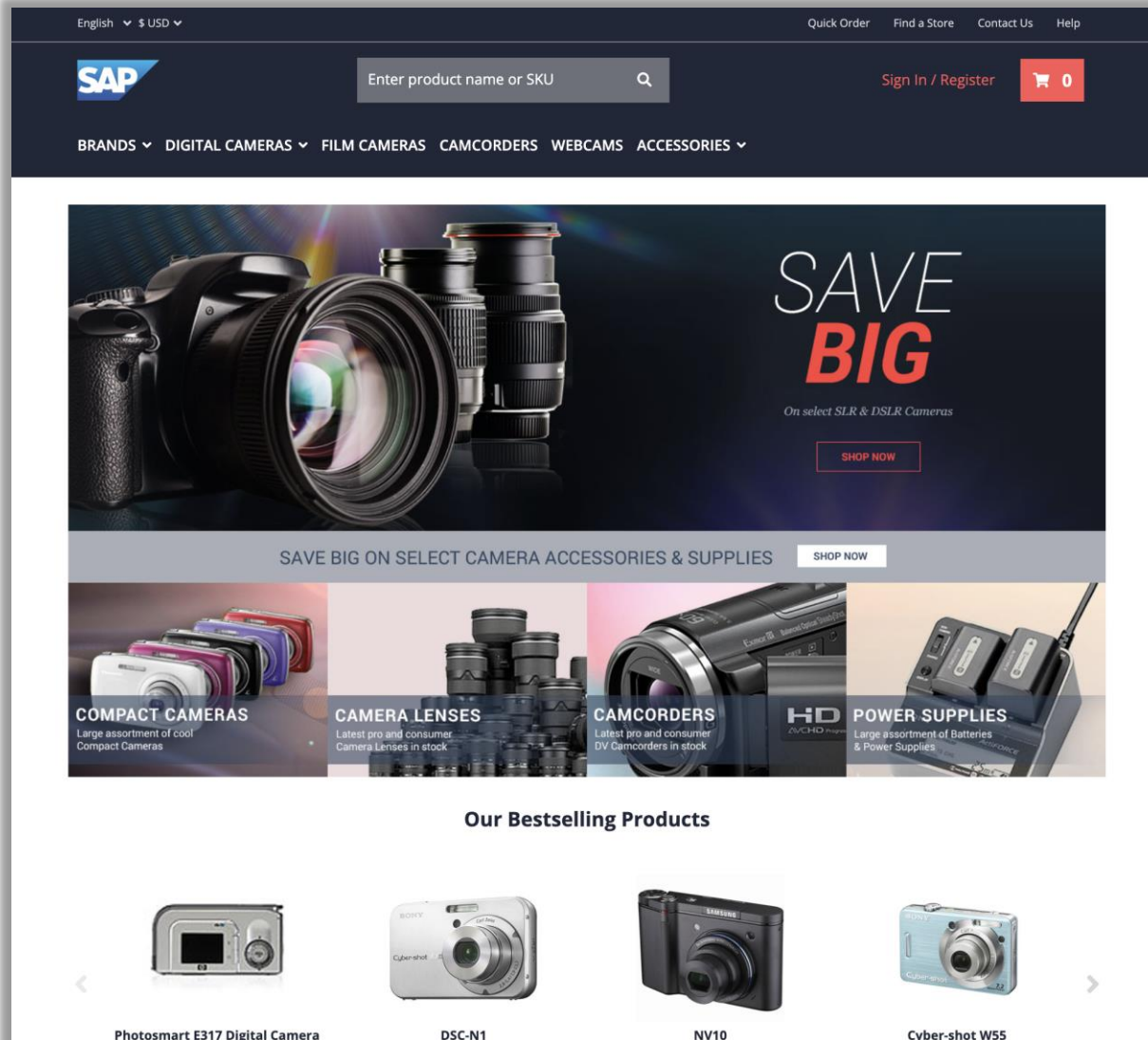
SAP Commerce Cloud, composable storefront

- SAP Commerce Cloud, composable storefront is a JavaScript storefront for SAP Commerce Cloud
- An overview will be covered in a later part of this training



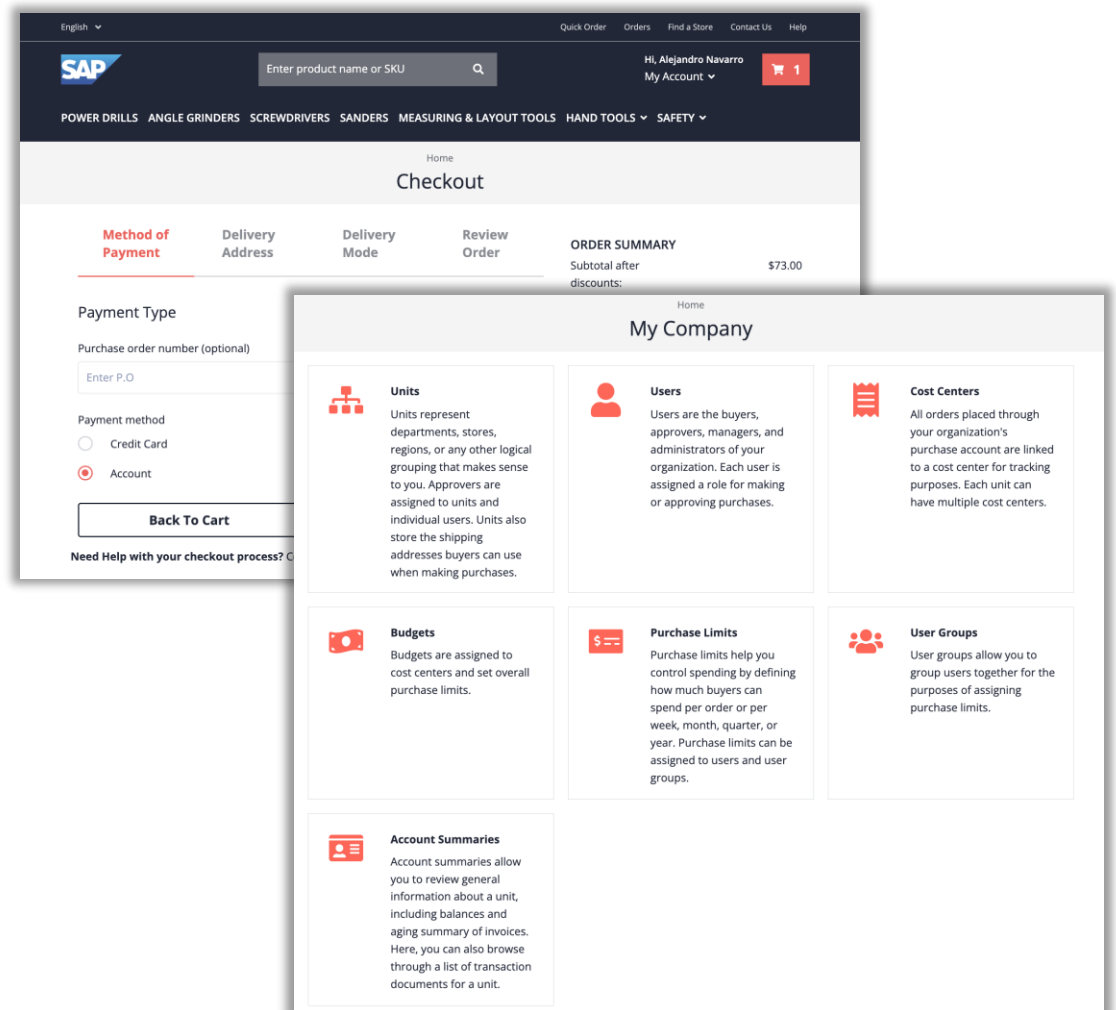
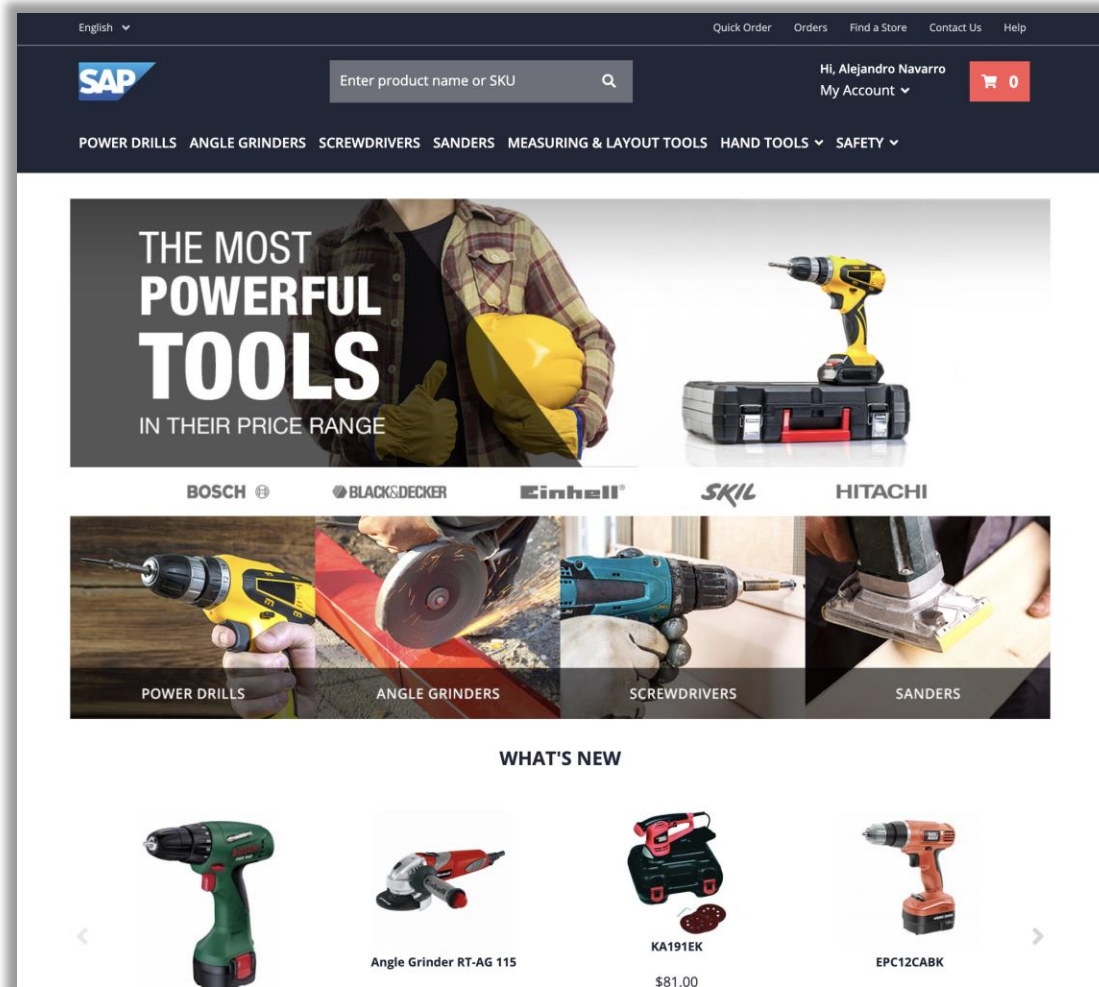
B2C Electronics Store

– with SAP Commerce Cloud, composable storefront



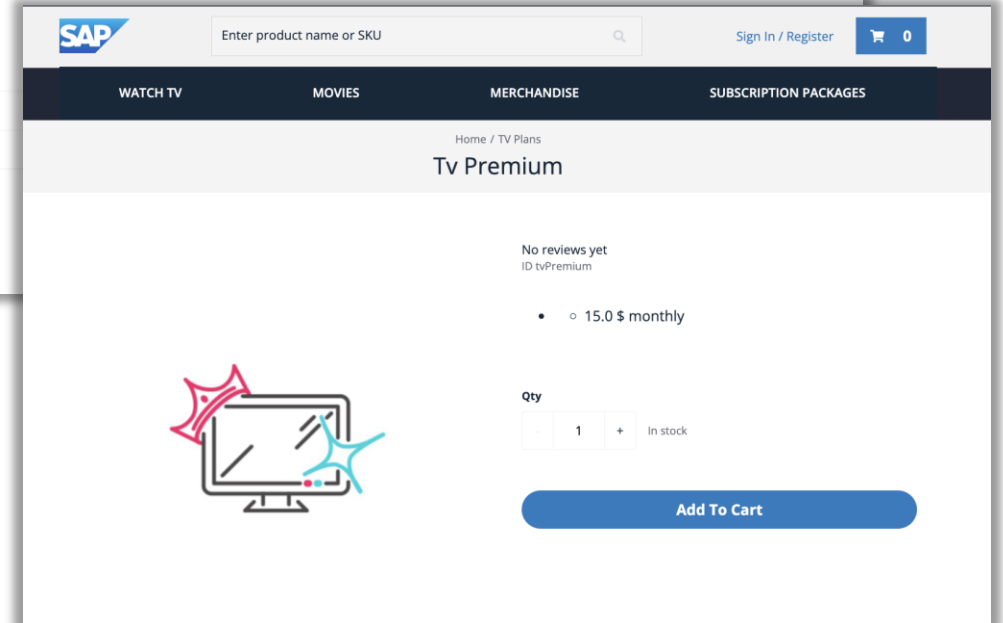
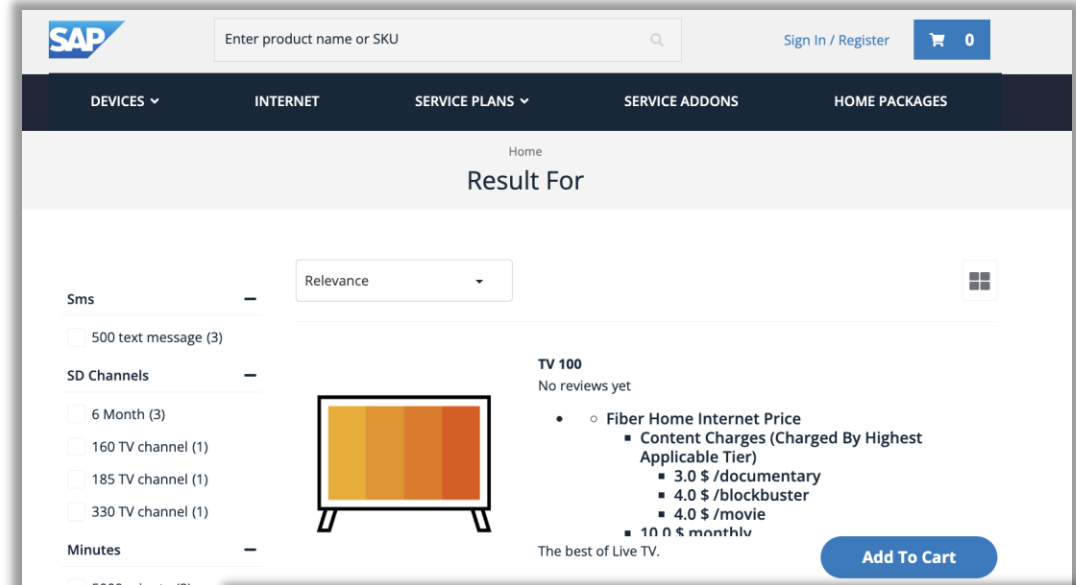
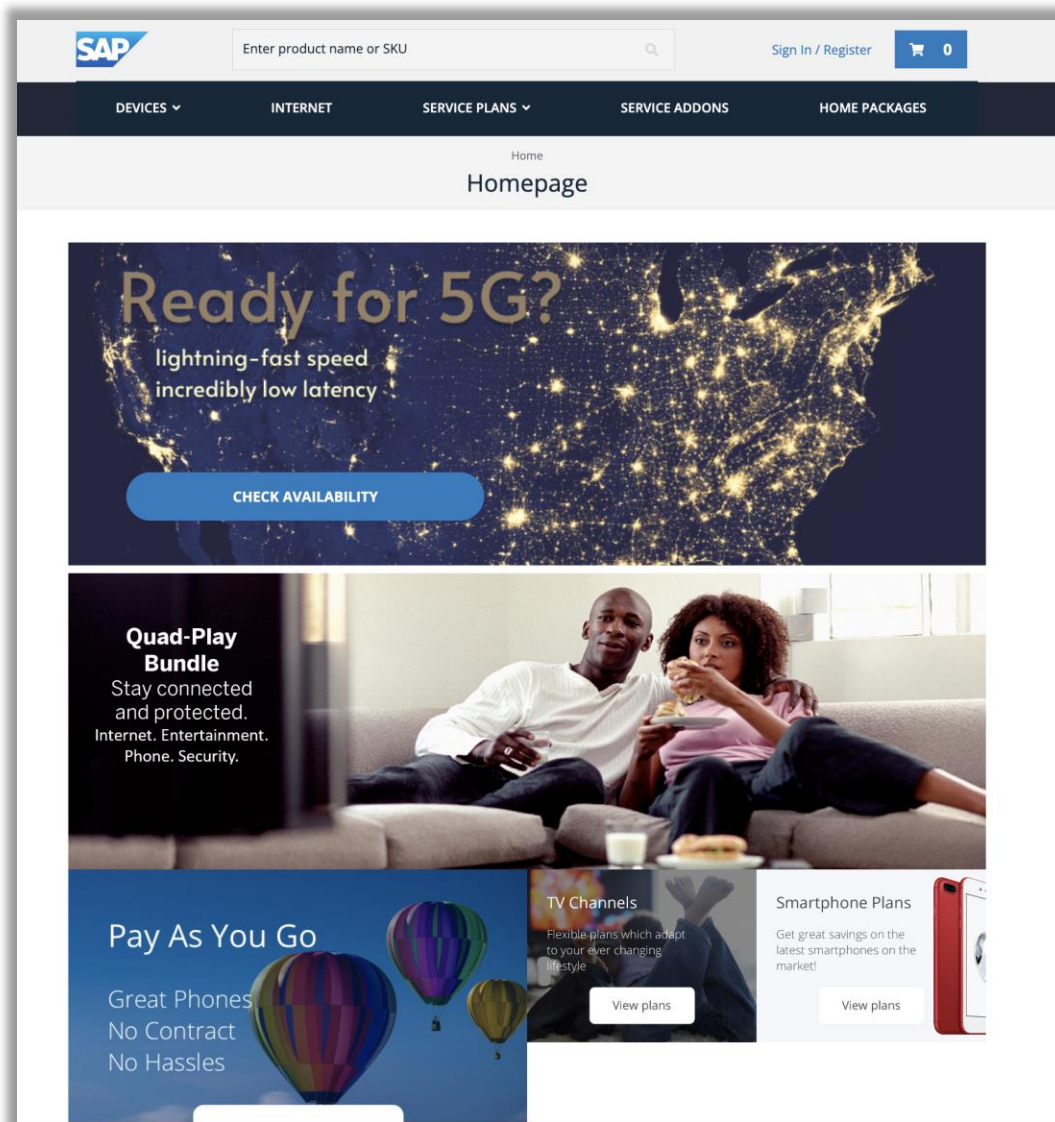
B2B Powertools Store

– with SAP Commerce Cloud, composable storefront

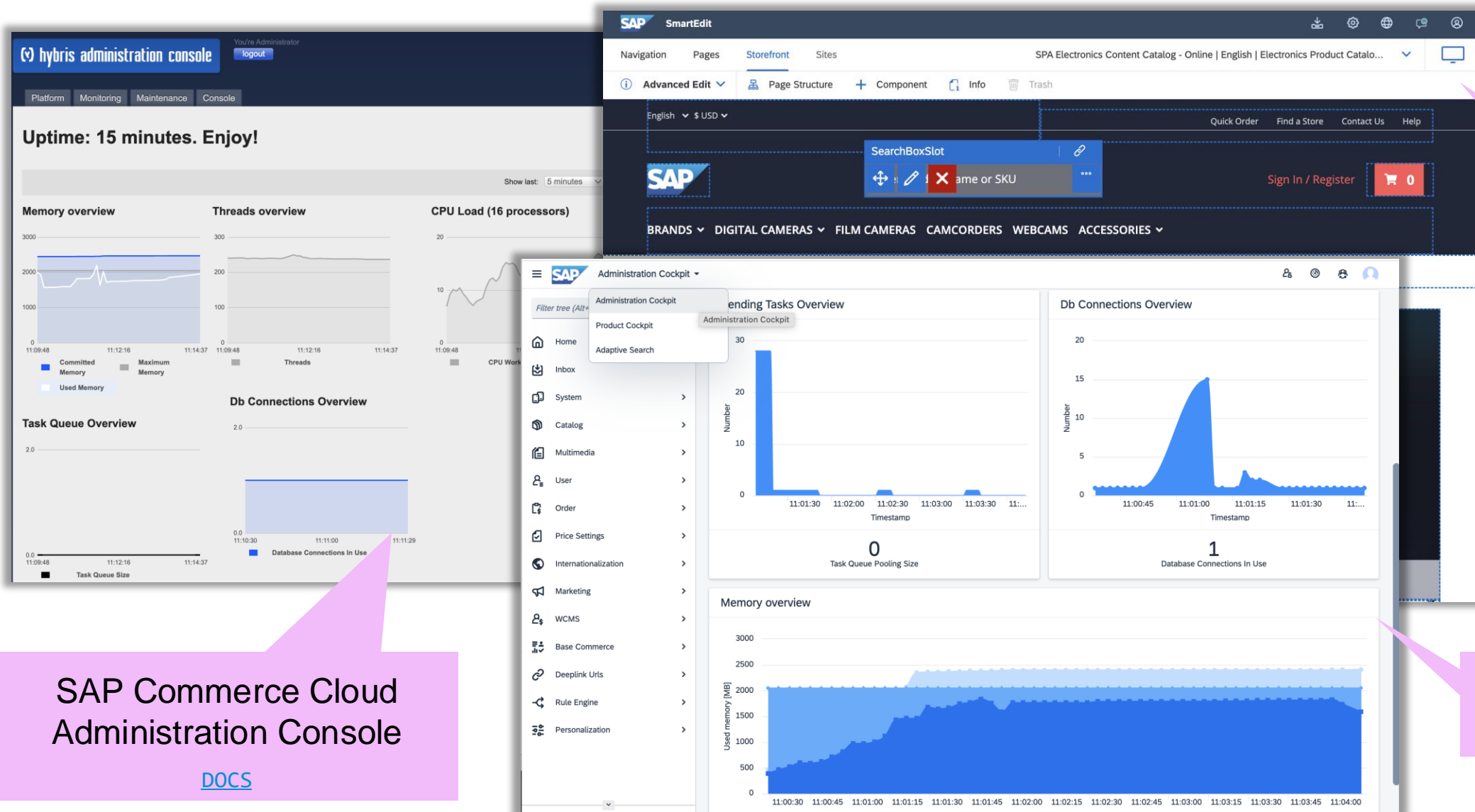


SAP Commerce Cloud, Telco and Utilities Accelerator

– with SAP Commerce Cloud, composable storefront



Major Tools in SAP Commerce Cloud



SmartEdit

[DOCS](#)

SAP Commerce Cloud
Administration Console

[DOCS](#)

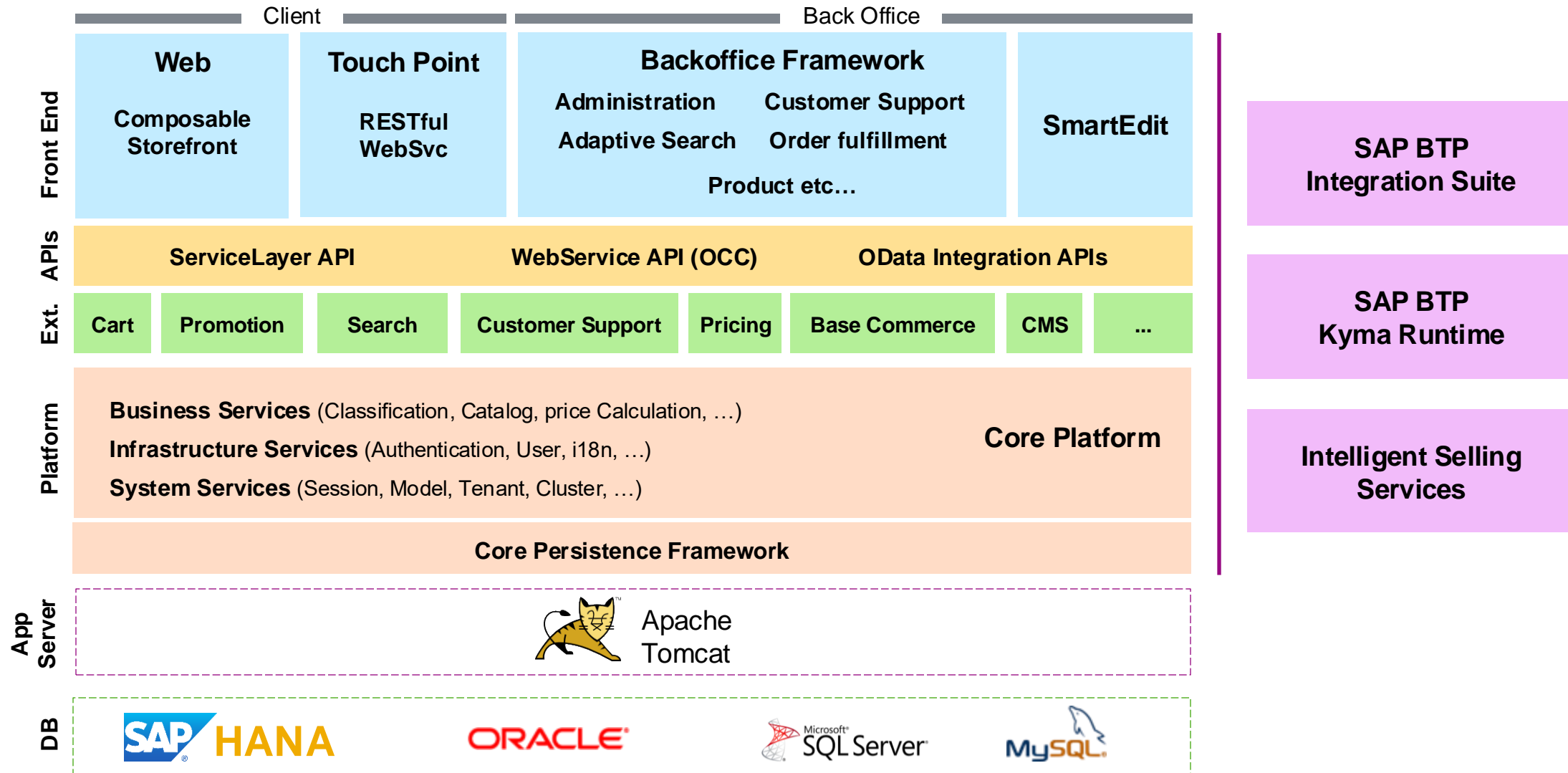
Backoffice

[DOCS](#)

Architecture Overview

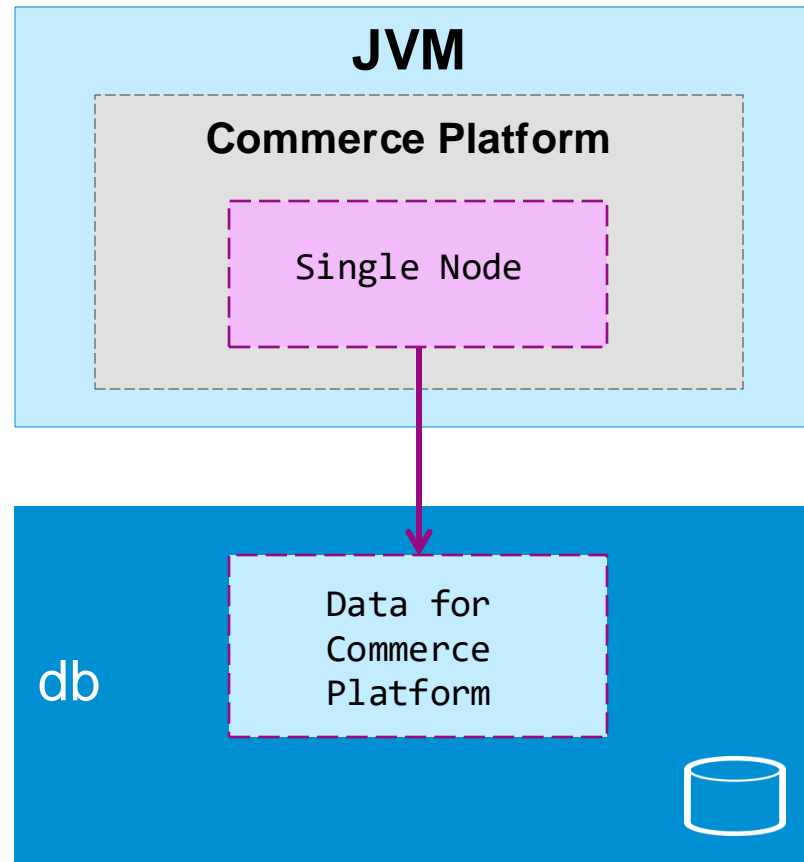


Architecture Overview



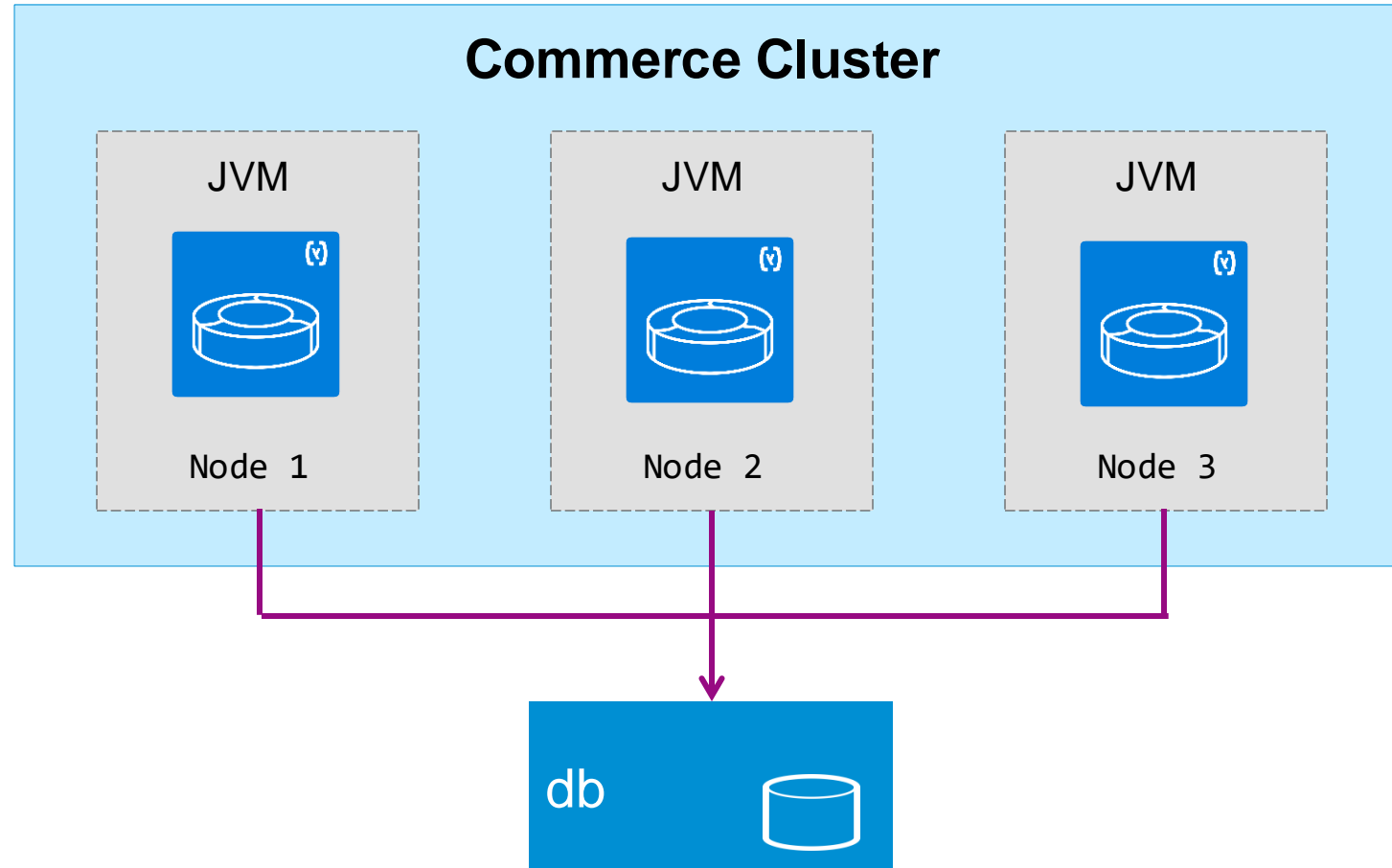
Modes of operation

- You can run SAP Commerce Cloud in three different modes of operation
 - Single Node



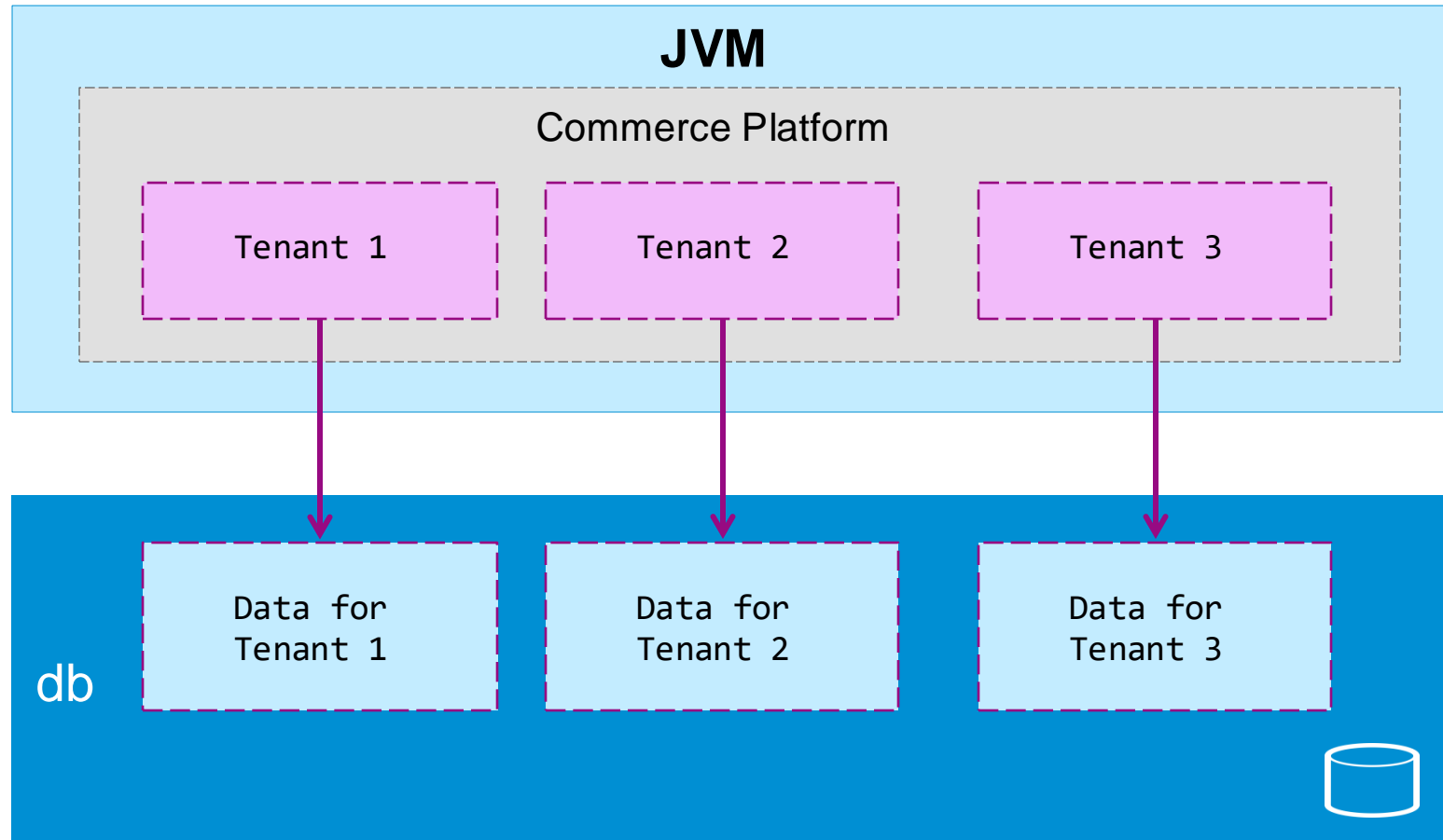
Modes of operation

– Cluster



Modes of operation

- Multi-tenant (not recommended approach except for JUnit)



Key Points

1. SAP Commerce Cloud is an omni-channel commerce platform
2. Speed up the development of your Commerce Site by using:
 - OOTB functionality of SAP Commerce Cloud
 - SAP Commerce Cloud, composable storefront
3. Major management tools for Sap Commerce Cloud are:
 - Backoffice, SmartEdit and SAP Commerce Cloud Administration Console
4. Extend the functionality by creating, modifying, and enabling custom extensions
5. Operate SAP Commerce Cloud in different modes:
 - **Single Node** for development/testing
 - **Cluster** for production deployment
 - **Multi-tenant** for JUnit testing

Thank you.