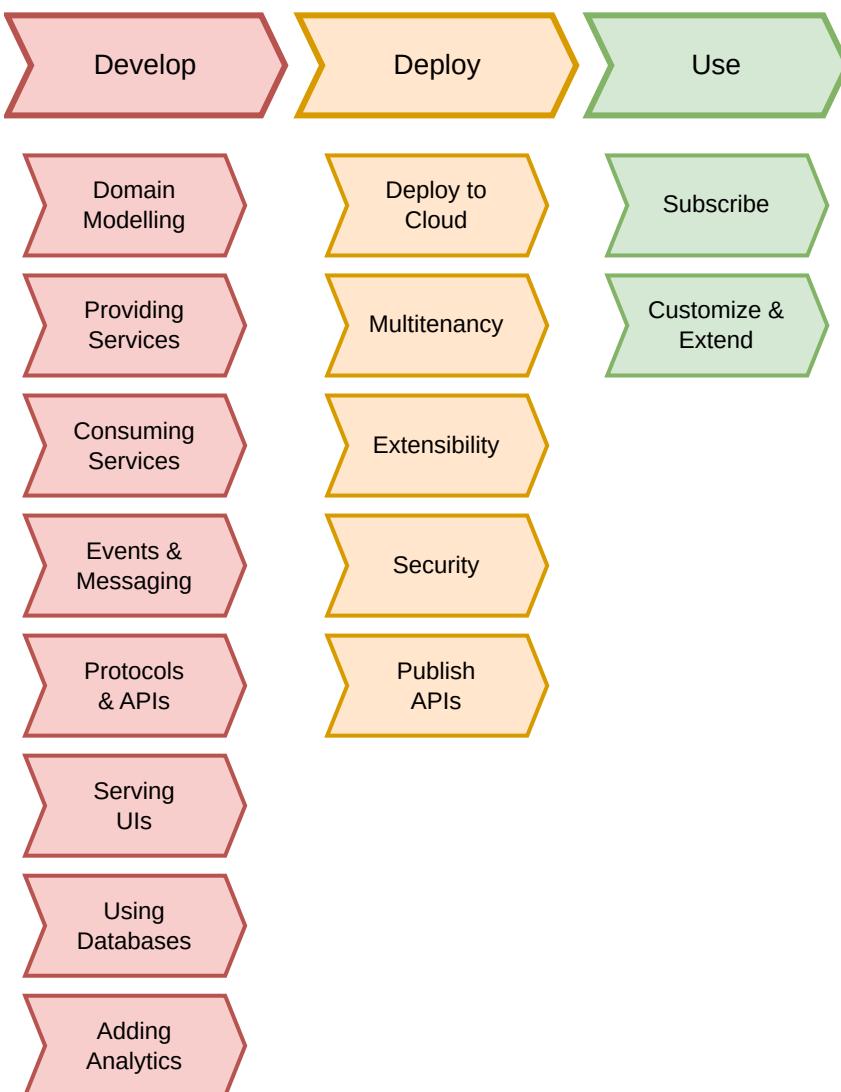


The CAP Cookbook

Guides and Recipes for Common Tasks

The following figure illustrates a walkthrough of the most prominent tasks within CAP's universe of discourse (aka scope). The guides contained in this section provide details and instructions about each.



Domain Modeling

Most projects start with capturing the essential objects of their domain in a respective domain model. Find here an introduction to the basics of domain modeling with CDS, complemented with recommended best practices.

Providing Services

This guide introduces how to define and implement services, leveraging generic implementations provided by the CAP runtimes, complemented by domain-specific custom logic.

Consuming Services

Learn how to use uniform APIs to consume local or remote services.

Events & Messaging

CAP provides intrinsic support for emitting and receiving events. This is complemented by Messaging Services connecting to message brokers to exchange event messages across remote services.

Databases

This guide provides instructions on how to use databases with CAP applications. Out of the box-support is provided for SAP HANA, SQLite, H2 (Java only), and PostgreSQL.

Localization, i18n

Guides you through the steps to internationalize your application to provide localized versions with respect to both Localized Models as well as Localized Data.

Localized Data

This guide extends the localization/i18n of static content, such as labels or messages, to serve localized versions of actual application data.

Temporal Data

CAP provides out-of-the-box support for declaring and serving date-effective entities with application-controlled validity, in particular to serve as-of-now and time-travel queries.

Security

This guide teaches how to develop, deploy and operate CAP applications in a secure way.

Data Privacy

CAP helps application projects to comply with data privacy regulations using SAP Business Technology Platform (BTP) services.

Deployment

Learn here about deployment options of a CAP application.

Multitenancy

Introducing the fundamental concepts of multitenancy, underpinning SaaS solutions in CAP. It describes how to run and test apps in multitenancy mode with minimized setup and overhead.

Extensibility

Learn here about intrinsic capabilities to extend your applications in verticalization and customization scenarios.

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