

# SAP Cloud Application Programming Model Introduction – For CodeJam

Thomas Jung, SAP April 18, 2022

Public



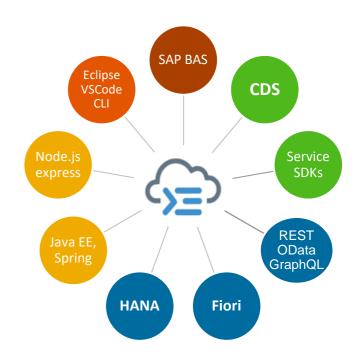


#### Introduction

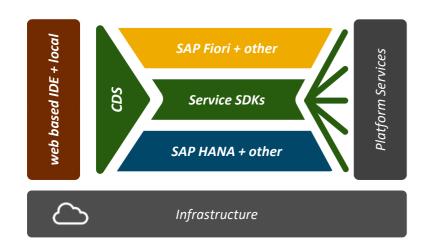
The SAP Cloud Application Programming Model is an **opinionated**, yet **open** framework of tools, languages and libraries to efficiently build enterprise-grade services and applications.

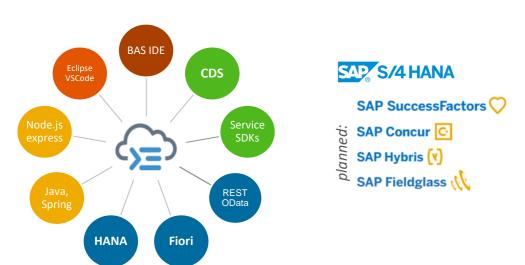
It guides developers along a 'golden path' of proven **best practices**, while minimizing boilerplate so they can **focus on their domain** problems at hand.

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



#### Introduction





We complement *cloud-native technologies* with...

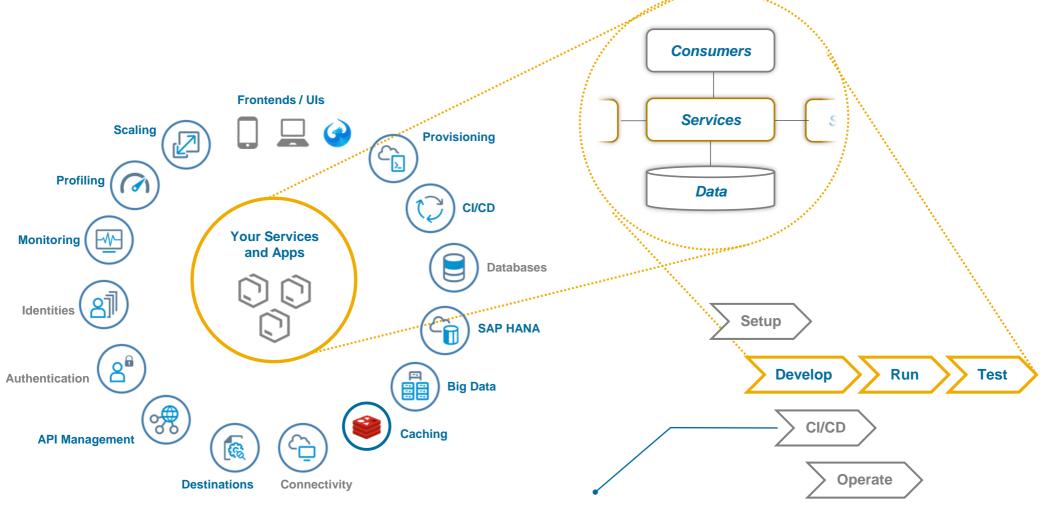
- a CDS-based Services framework...
- w/ intrinsic enterprise & cloud qualities

w/ 1<sup>st</sup>-class support by and for...

- SAP Business Application Studio
- SAP Fiori
- SAP HANA
- S/4 Extension scenarios, ...
- → Guidance and best practices leveraging proven SAP technologies + Open Source software
- → A consistent end-to-end programming model for enterprise services & applications

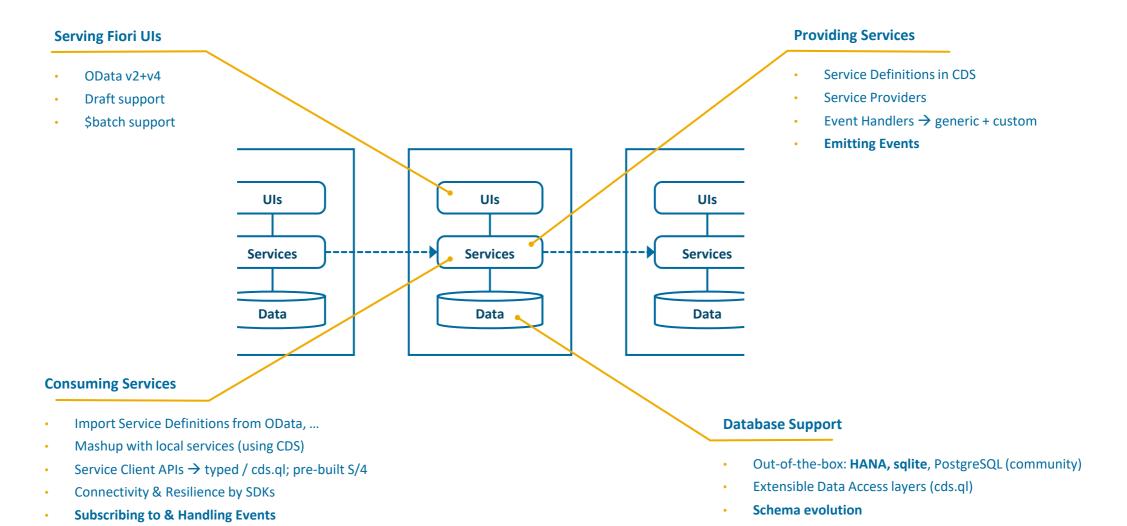
without lock-in!

#### **Context And Our Focus**



By SAP Cloud SDK, ...

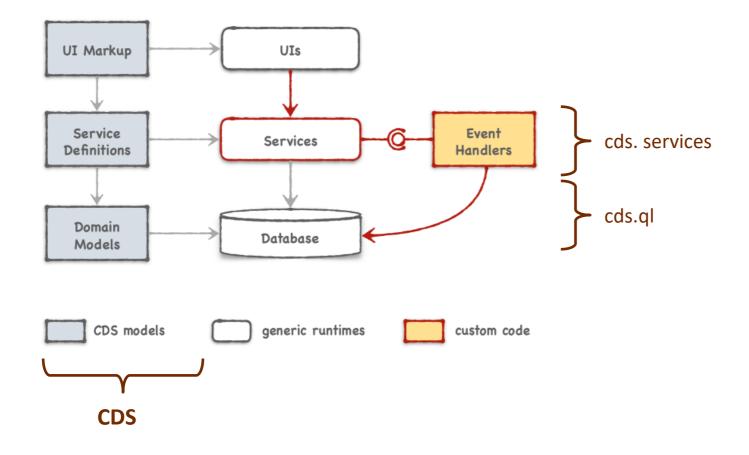
#### **Focus Topics**



### **Key Value Propositions**

- ✓ Guidance and Best Practices → opinionated and staying open and flexible
- ✓ Intrinsic Enterprise & Cloud Qualities → taken care of out-of-the-box
- ✓ Integration and Interoperability → easily reuse models and services
- ✓ Accelerated Development → grow as you go & time to market
- ✓ Focus on your Domain → what, not how; minimized boilerplate
- ✓ Minimized Footprint → enabling serverless deployments
- ✓ Safeguarded Investments → e.g. on journeys to new platform picks

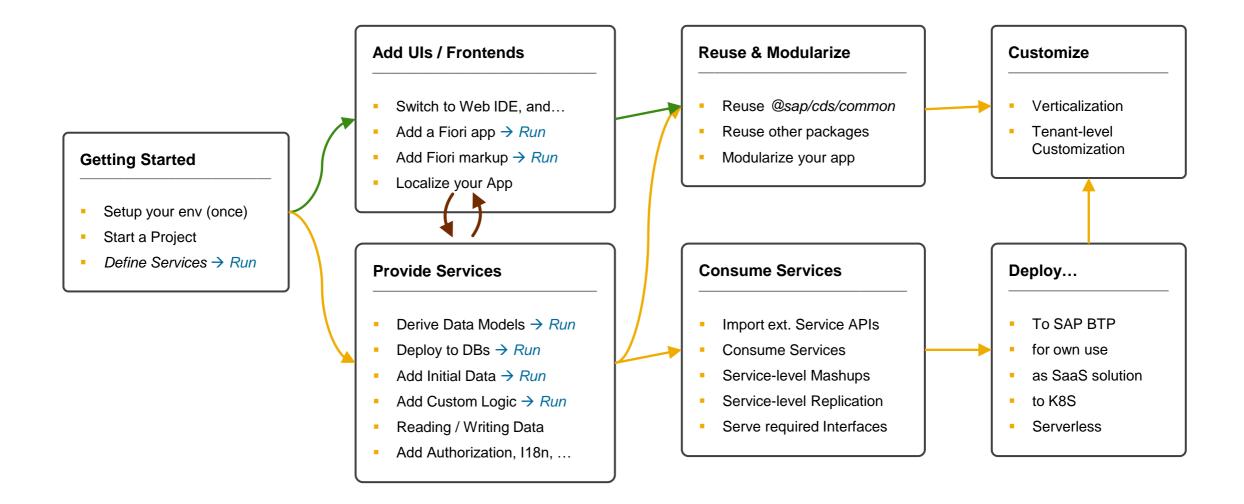
# **Key Concepts**



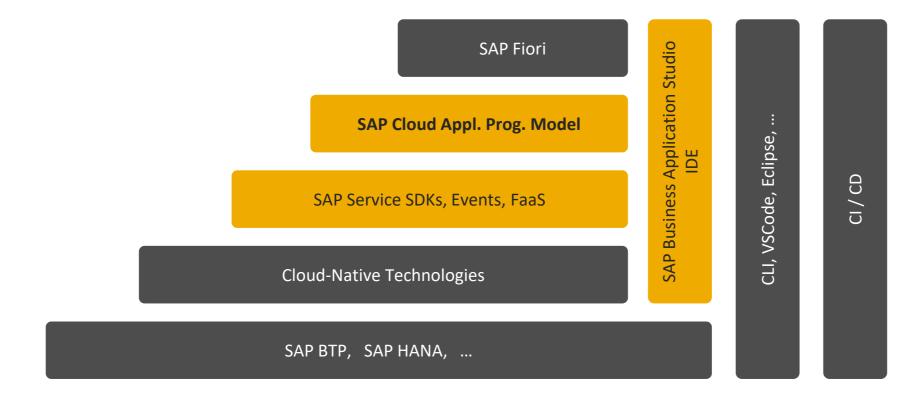
- Declarative Approach by CDS
- Services and Events
- Queries and Views
- Aspects and Mixins



#### **Cookbook — Walking Through Your Tasks...**



## **Layered Model**



# Thank you.

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