

Simplify Development Using the Cloud Application Programming Framework

May 11, 2022

Nishant Thacker, SAP
Martin Stenzig, Rizing

THE BEST RUN 

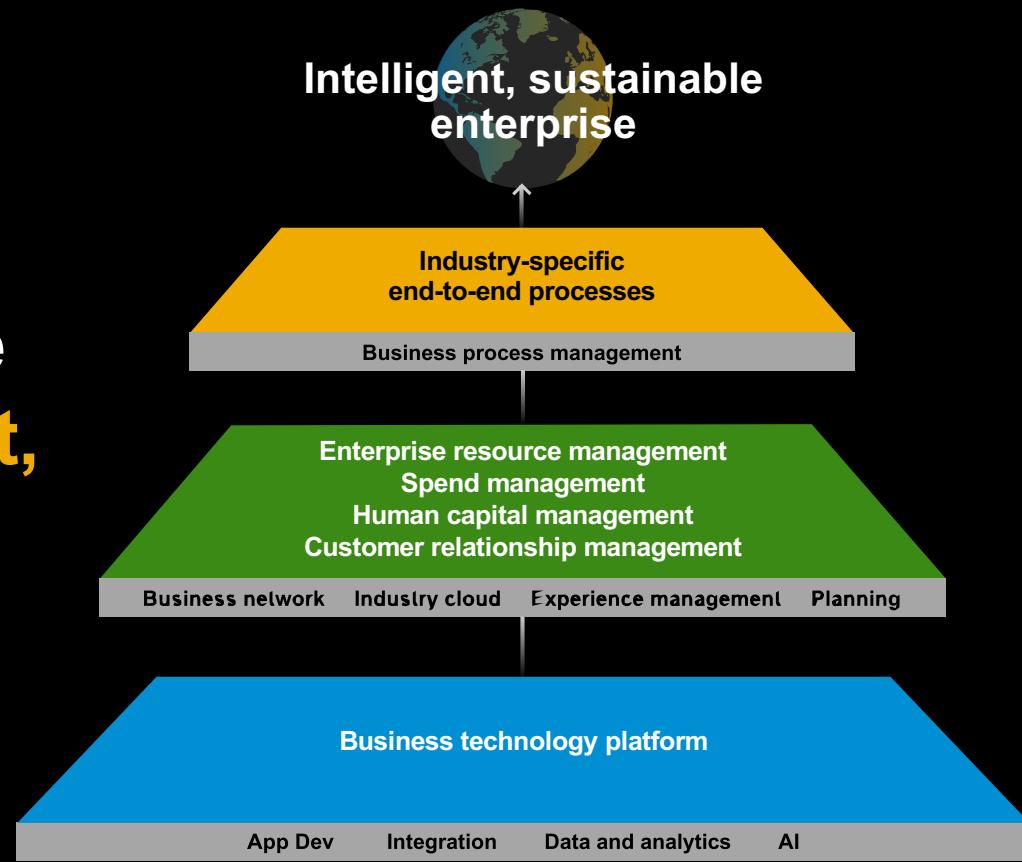
Agenda

The Cloud Application Programming (CAP) Model

Customer and Partner Use-Cases

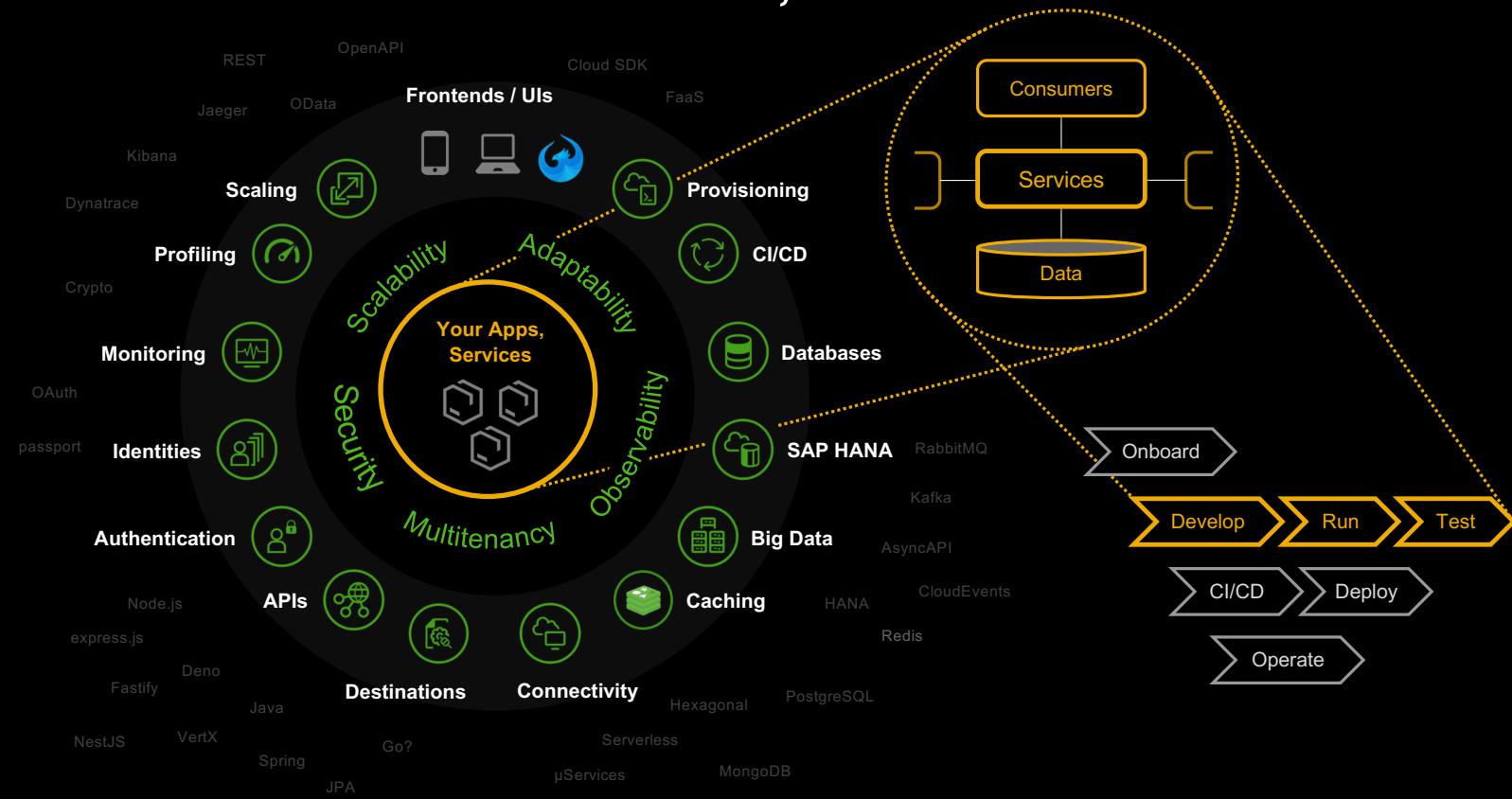
Q & A

**Enable every enterprise
to become an intelligent,
sustainable enterprise**

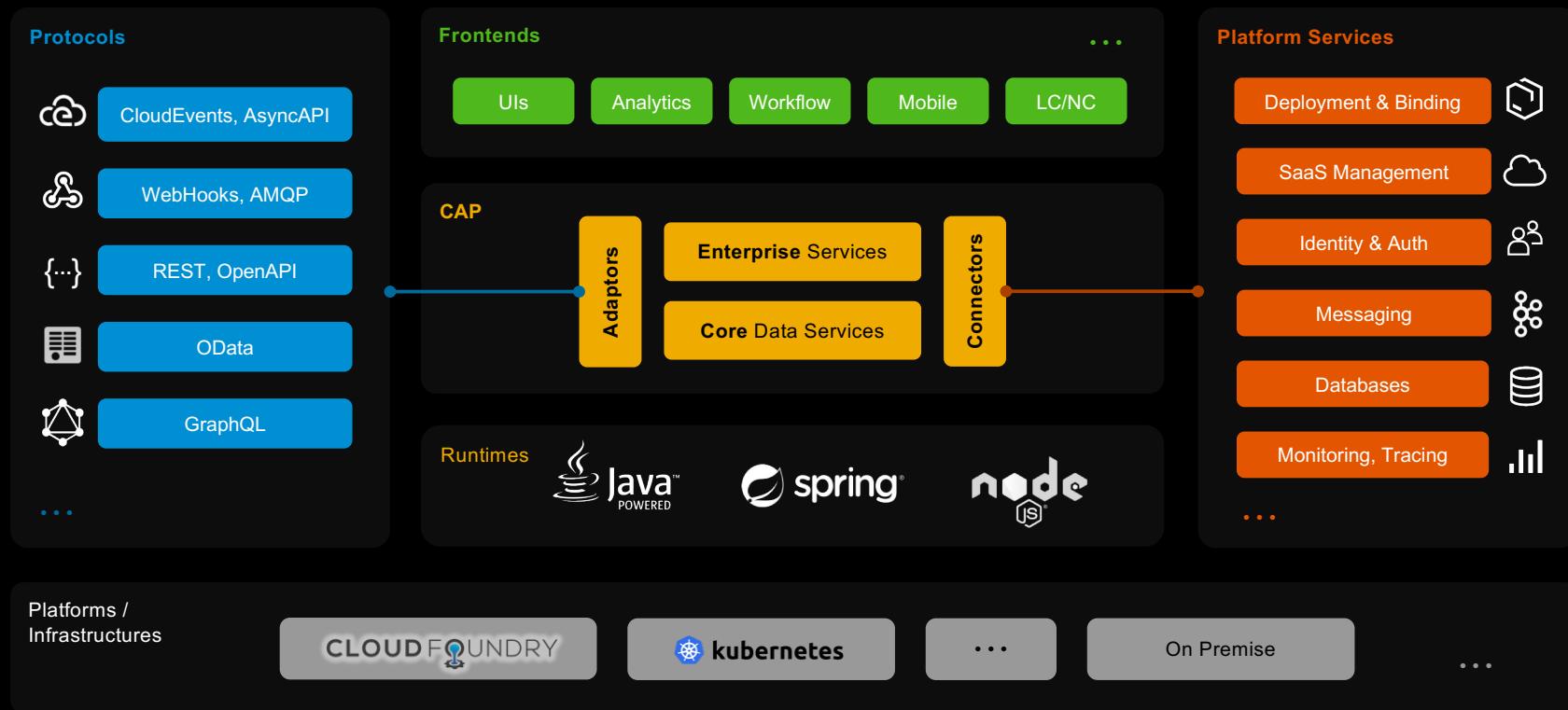


Why CAP?

Guidance & Focus on Domain → “*What, not How*”



What is CAP? → a Framework for Cloud-scale Apps & Services





Martin Stenzig
CTO, Rizing

RIZING

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Example 1 – Rizing as Customer

Rizing Planning app as extension to S/4 HANA Cloud

The screenshot shows the SAP Project Details interface for a project titled "EQ Full AWM Program (ENEQU200820)". The interface includes sections for Customer Project, Accounting, and Project Settings. In the Customer Project section, details like Customer: Energy Queensland Ltd (1001676), Project Manager: Phillip Scott Vohland (50001438), Duration: Aug 2, 2021 – Dec 31, 2022, Stage: In Execution, and Currency: AUD are displayed. The Accounting section shows Organization: AUM EAM Professional Services (2010A), Cost Center: AUM EAM ProfServices (2010EAM008), and Profit Center: EAM AU Prof.Services (EAMAUPS001). The Project Settings section has toggles for Public Project (YES) and Restrict Unstaffed Posting (YES). Below these, there are buttons for Plan Hours, Plan Expenses, and Proj. Specific Prices. A table at the bottom lists roles, organizations, work packages, work items, requested resources, staffed resources, and billing details for various team members.

Role	Organization	Work Package	Work Item	Requested Resource	Staffed Resource	Billing Control...	Total	Week31	Week32	Week
Project Executive	AUM EAM Profess...	Phase 1 : Main Pr...	AWM Rizing Proj...	Jonathan Paul Br...	Jonathan Paul Bryant	Billable	256.0	40	40	40
Offshore Developer	MY Digital Services	Enhancements Te...	ENH T&D Develo...	Shaw Yun Oh	Shaw Yun Oh	Billable	24.0	0	0	0
Offshore Developer	MY Digital Services	Defect Fix	Defect Fix 1	Akma Saupe	Akma Saupe	Billable	1.0	0	0	0
Offshore Developer	MY Digital Services	Enhancements - B...	ENH551B Base S...	Akma Saupe	Akma Saupe	Billable	8.0	0	0	0
Offshore Developer	MY Digital Services	Idle in SIT	Front-end Develo...	Akma Saupe	Akma Saupe	Non-bill...	0.0	0	0	0
Project Manager	AUM EAM Profess...	Phase 1 : Main Pr...	AWM Rizing Proj...	Christopher Bruce...	Christopher Bruce...	Billable	890.0	40	26	40

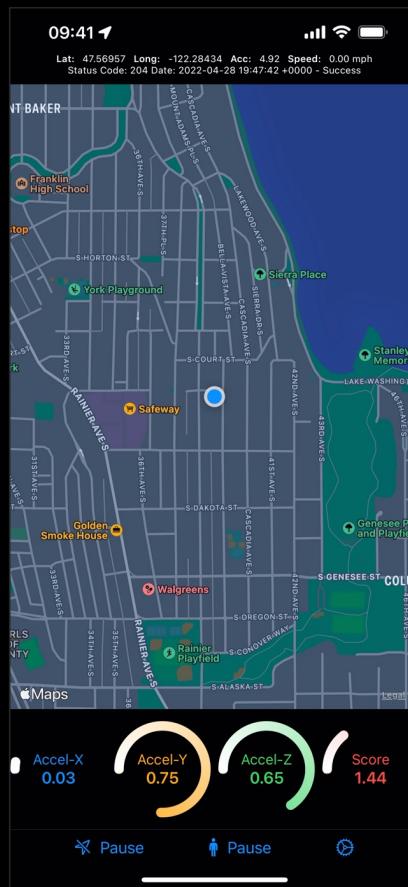
- Rizing uses this application built on top of the S/4 HANA Cloud system.
- Rizing used **the Cloud Application Programming Model (CAP)** to develop the extension app
- **CAP provides the development velocity**

RIZING

Example 2 – Rizing as Partner Field Service Technician Monitoring

Native iPhone App

Accelerometer-based fall detection

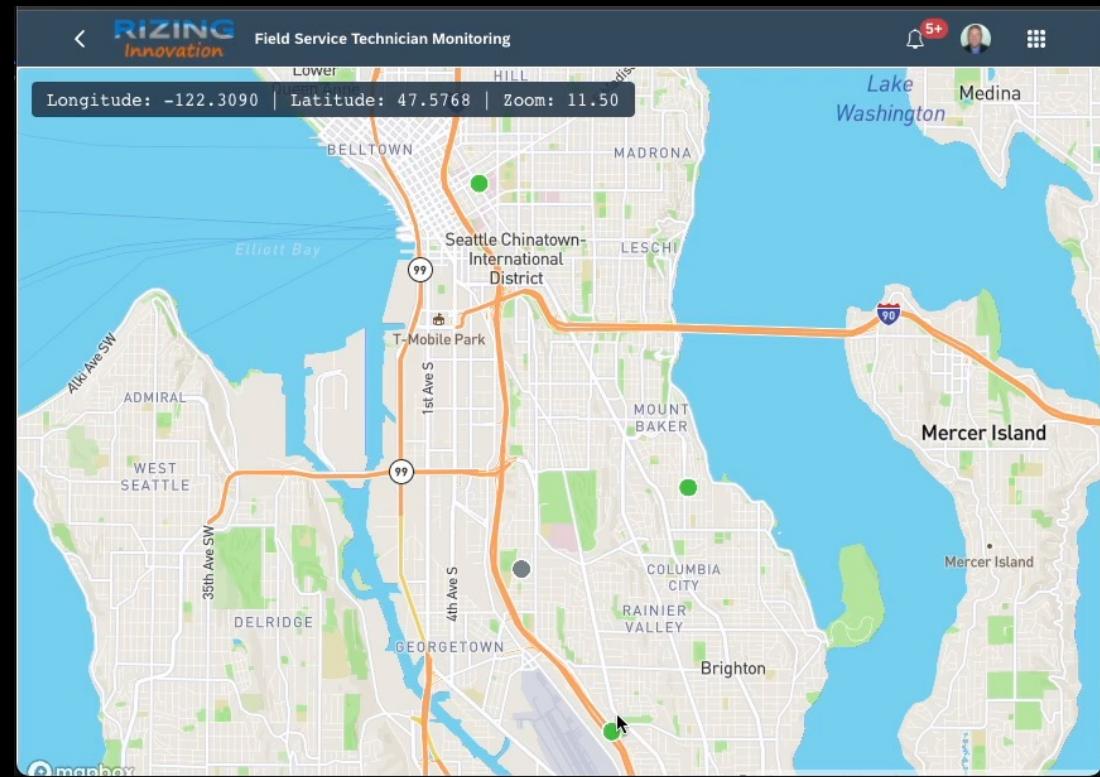


Example 2 – Rizing as Partner Field Service Technician Monitoring

RIZING

SAP CAP Application

Real-time monitoring of Technician Location to optimize the appointment scheduling process.



Example 2 – Rizing as Partner Field Service Technician Monitoring

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S/4 HANA

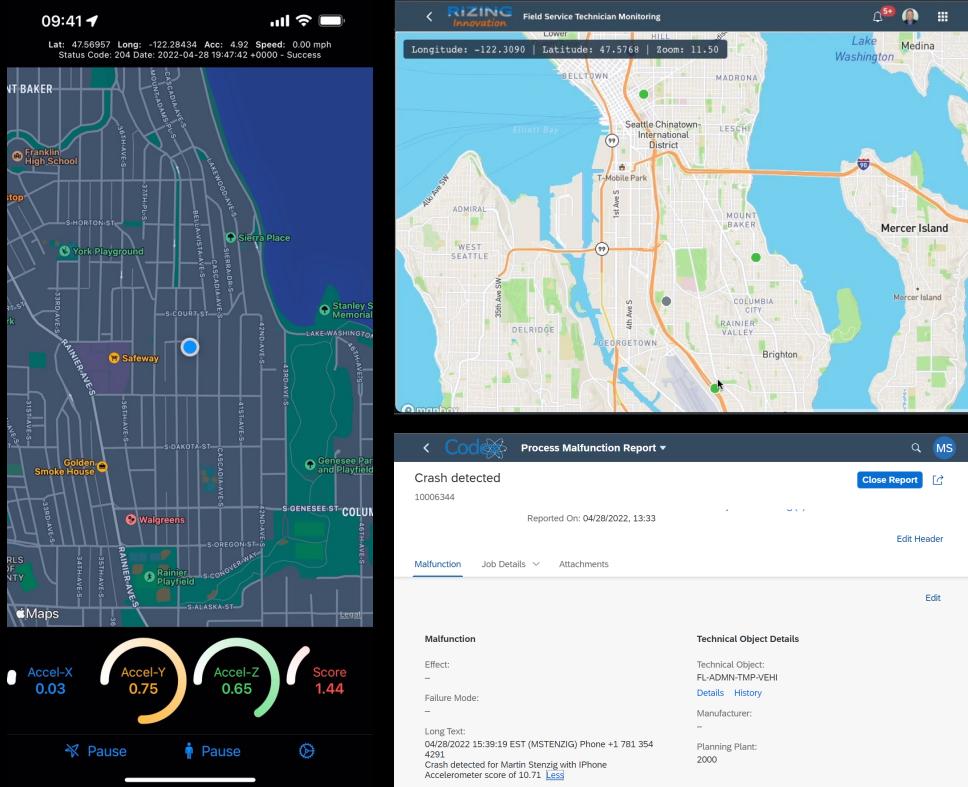
Tight integration with SAP

The screenshot shows a web-based application interface for a 'Process Malfunction Report'. The title bar includes the Codex logo, the report type 'Process Malfunction Report', and navigation icons for search and MS. The main content area displays a summary of a malfunction: 'Crash detected' with ID '10006344', reported on '04/28/2022, 13:33'. Below this, there are tabs for 'Malfunction' (which is selected), 'Job Details', and 'Attachments'. The 'Malfunction' section contains fields for 'Effect' (empty), 'Failure Mode' (empty), and 'Long Text' which details the crash detection for Martin Stenzig with an iPhone Accelerometer score of 10.71. The 'Technical Object Details' section lists the 'Technical Object' as 'FL-ADMN-TMP-VEHI' with links for 'Details' and 'History', and the 'Manufacturer' as empty. The 'Planning Plant' is listed as '2000'.

Malfunction		Technical Object Details
Effect:	Technical Object: FL-ADMN-TMP-VEHI	
Failure Mode:	Details History	
Long Text:	Manufacturer: –	
04/28/2022 15:39:19 EST (MSTENZIG) Phone +1 781 354 4291 Crash detected for Martin Stenzig with iPhone Accelerometer score of 10.71 Less		Planning Plant: 2000

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Example 2 – Rizing as Partner Field Service Technician Monitoring



Native iPhone App

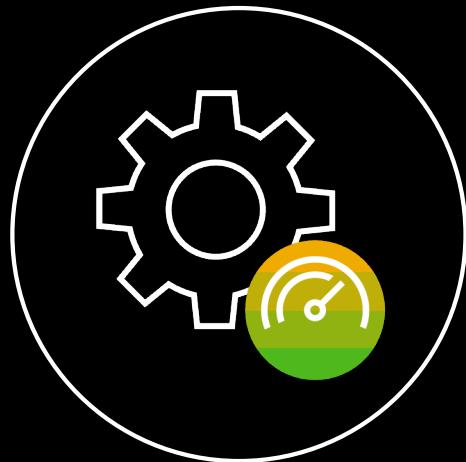
SAP CAP Application

S/4 HANA

This integrated solution was developed in 2 weeks.

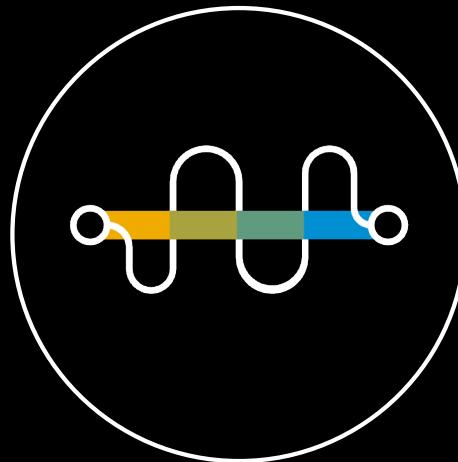
Rizing's motivation

Cloud Application Programming (CAP) Model



Faster time-to-market

Accelerated development timelines
Supports DevOps



Extensible and sustainable

Proven core in SAP & partner apps
Easy remediation



Adaptable

Provides flexibility for SaaS
Low learning curve

Q & A

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Get started today

Meet your organization's requirements
as fast as your business needs.



SAP Low-code

sap.com/low-code



SAP Developer Tools

sap.com/developer-tools



Start Learning

[Learning Journeys](#)



Join the Community

[Connect with Developers](#)



Thank you.

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Using SAP Cloud Application Programming Model to increase developer productivity and safeguard developer investments.

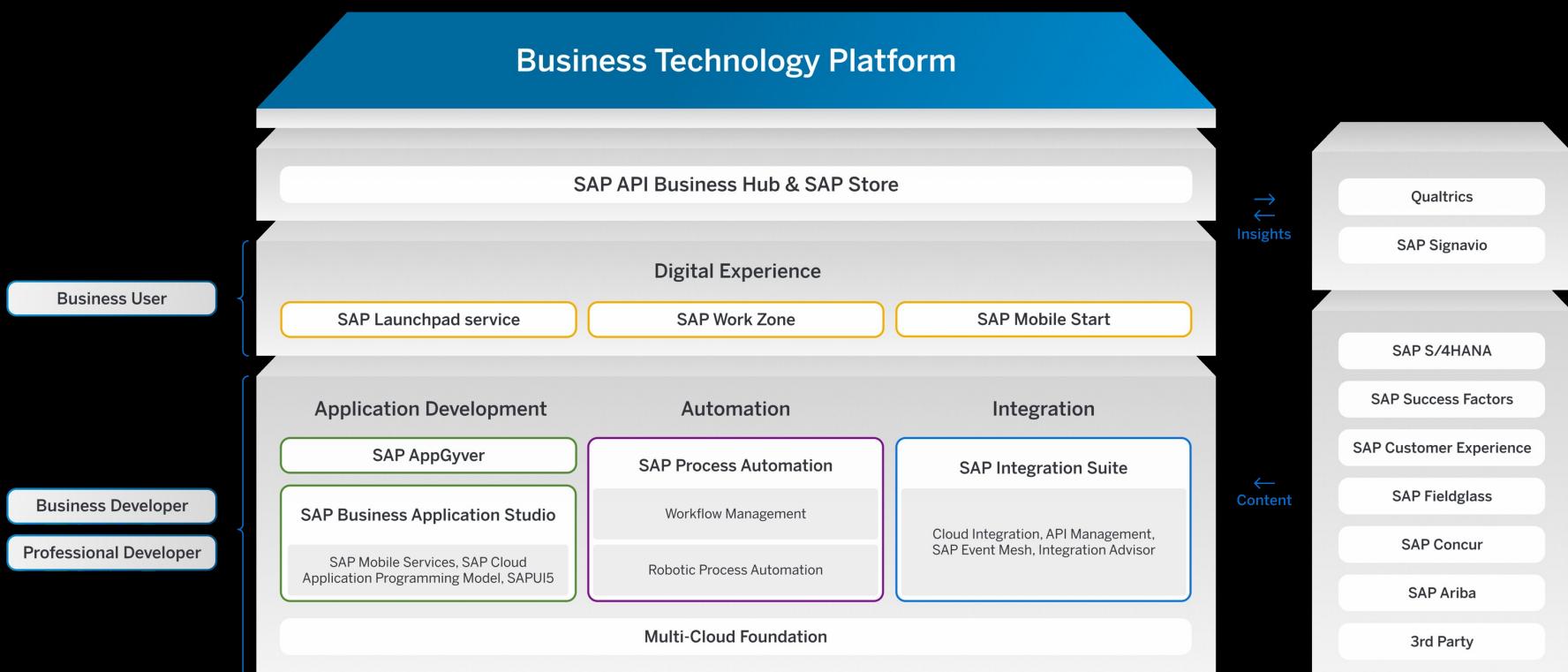
Accelerate the extension and integration of SAP S/4HANA with OData-based technology using SAP Cloud Application Programming Model. Learn from a customer and partner how the model helps contain the costs of IT projects and helps safeguard IT investments in a world of rapidly changing cloud technology.

Nishant Thacker, SAP
Martin Stenzig, Rizing

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BTP Application Development, Automation & Integration

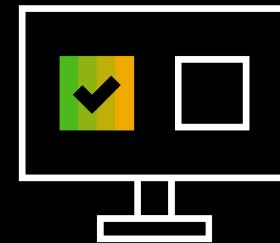
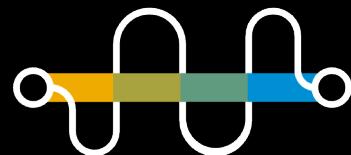
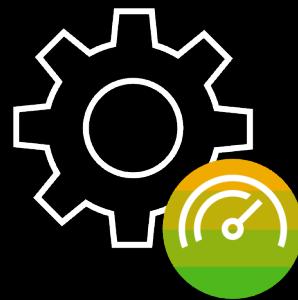


Field Service Technician Monitoring

- Field Service Technicians in Utilities are working in dangerous locations and inclement weather.
- Their location needs to be monitored for
 - Safety
 - Improve job scheduling
 - Reduce drive time
 - Improve overall work efficiency
- Dispatchers and supervisors need visibility to Technician locations and should be alerted in case of an emergency
- The Field Service Technician Monitoring Add-On to SAP allows for
 - visualization of personal location and “person down” scenarios and
 - Integrates directly into S/4

Rizing's motivation

Cloud Application Programming Model (CAP)



Faster time-to-market

Accelerated development timelines

Supports DevOps

Extensible and sustainable

Proven core in SAP & partner apps

Easy remediation

Adaptable to single and multi-tenant

Provides flexibility for SaaS

Low learning curve