



Menschen Methoden Lösungen

Multicloud



■ Seit 2008
Gründung der BridgingIT GmbH Anfang 2008 als IT-Beratungsunternehmen

■ Über 520 Mitarbeiter
Kundennähe durch ausgeprägten regionalen Fokus. Standorte: Mannheim, Karlsruhe, Frankfurt, Stuttgart, Köln, München, Zug (CH), Nürnberg und Berlin

■ Erfolg
Unabhängigkeit und Stabilität durch Eigenfinanzierung und durchgängigen wirtschaftlichen Erfolg

■ CraftingIT
Gründung der Tochter CraftingIT GmbH Anfang 2014 als IT-Service Unternehmen in Magdeburg

■ Beratungspartner
Neutral, ohne Produkt- oder Vertriebsbindung

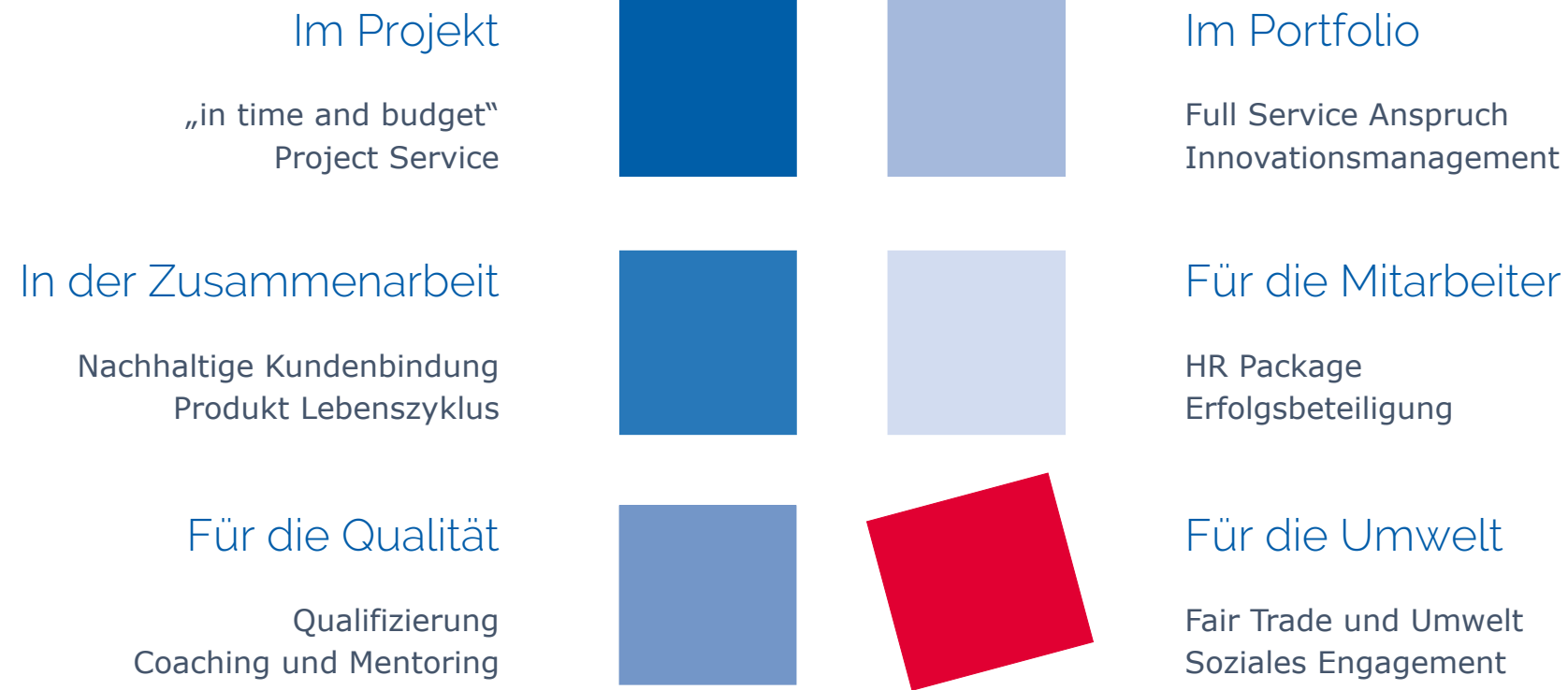
■ Netzwerk
Gut ausgebautes Netzwerk aus Applikations- und Technologiepartnern

■ Preis-/Leistung
Attraktives Preis-/Leistungsverhältnis durch geringen Overhead, komfortable Mitarbeiter-Self-Services und konsequentes Outsourcing bei Support Prozessen

■ Qualität
Fokus auf Qualität und Nachhaltigkeit durch hohe Beteiligung der Mitarbeiter an der Unternehmensentwicklung

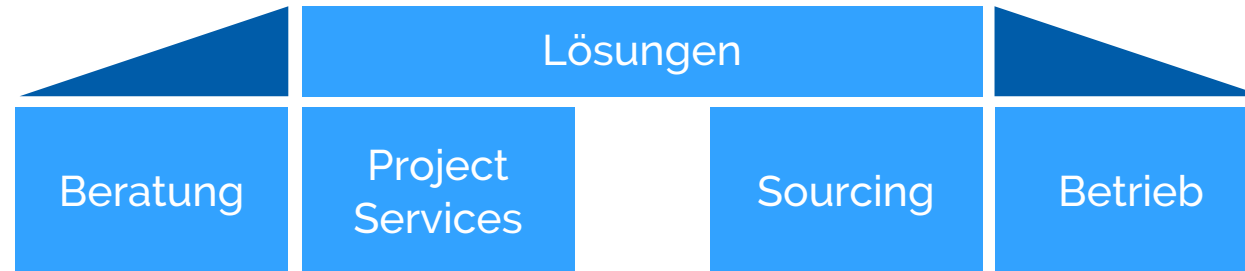
Wir übernehmen Verantwortung

aufmerksam – positiv – zeitgemäß



Portfolio

Unser Full-Service-Ansatz



Beratung

Beratung von der Strategie über die Gestaltung von Geschäftsprozessen bis hin zur Bewertung und Einführung von neuen IT-Systemen und -Anwendungen

Project Services

Unterstützung und Projektsupport bei der Gestaltung von Projekten über den gesamten Lebenszyklus durch Anforderungs-, Projekt- und Testmanagement

Lösungen

Umsetzung von fachlichen und technischen Anforderungen unserer Kunden in bedarfsgerechte, kosteneffiziente und langfristig stabile Lösungen auf der Basis von Standardtechnologien- und Produkten

Sourcing

Unterstützung von der Bereitstellung und Ergänzung von Projektteams über die Beratung in Near-/Offshore-Vorhaben bis hin zum umfassenden Lieferantenmanagement durch CraftingIT GmbH

Betrieb

Dienstleistungen rund um den Betrieb von IT-Systemen und Anwendungen wie Betriebsprozesse, operative Betriebsführung, Beratung zu Fragen der Betriebssicherheit und Wartung

About Me

Tobias Hofmann
Senior Consultant



METHODEN

- Fiori
- Cloud
- Portal
- Mobile
- Architect
- Multicloud

BERUFSFELD

- Twitter: @tobiashofmann
- E-Mail: tobias.hofmann@bridging-it.de

About Me

Tobias Hofmann
Senior Consultant

COMMUNITY

- SAP Inside Tracks Rio, Sao Paulo, Sao Leopoldo
- SAP Meetup Rio de Janeiro
- Topic Lead SCN SAP Portal (3x)
- Speaker: SIT, Meetups, SAP TechEd, SAP Forum, UI5Con, HANA Night
- SAP InnoJam
- Old SCN: Top 100 contributor (15931 Karma Credits)
- Founder: SAP Stammtisch Karlsruhe Baden
- Founder : SAP Stammtisch Bruchsal (merged)
- SAP Stammtisch Stuttgart
- Hackathon (SAP UA, bIT)
- Blogger
- Twitter disturber
- SAP Mentor

Agenda

01	ARCHITECTURE
02	12 MONTH
03	MULTICLOUD
04	EXAMPLE
05	SAP VARIABLE

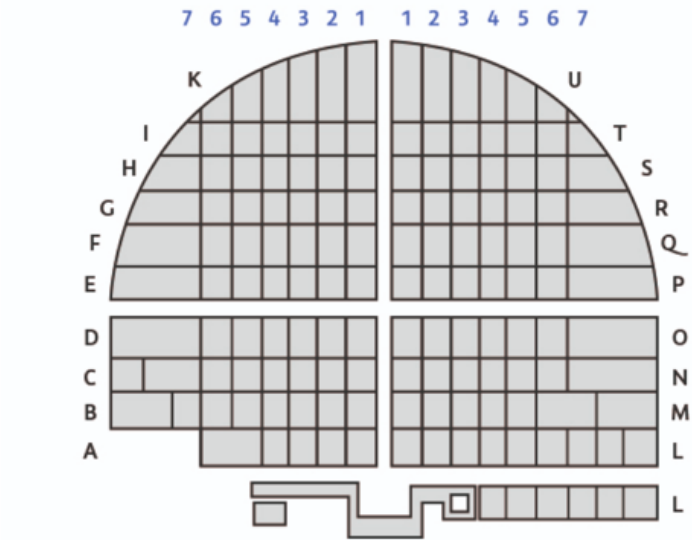
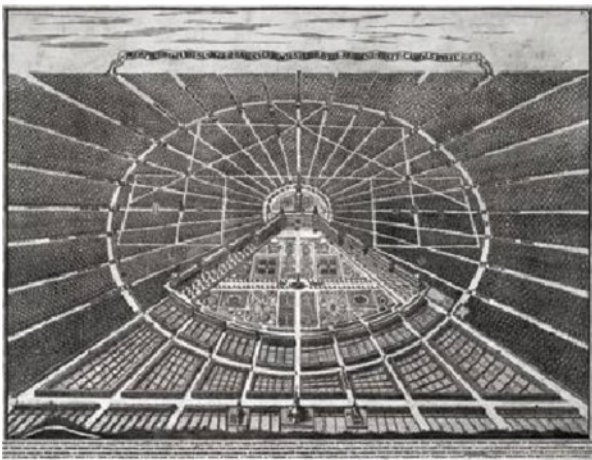


A person's hands are shown holding a tablet computer, which displays a website with a car image. The tablet is held over a desk with architectural blueprints and a pen. The entire scene is overlaid with a semi-transparent blue filter.

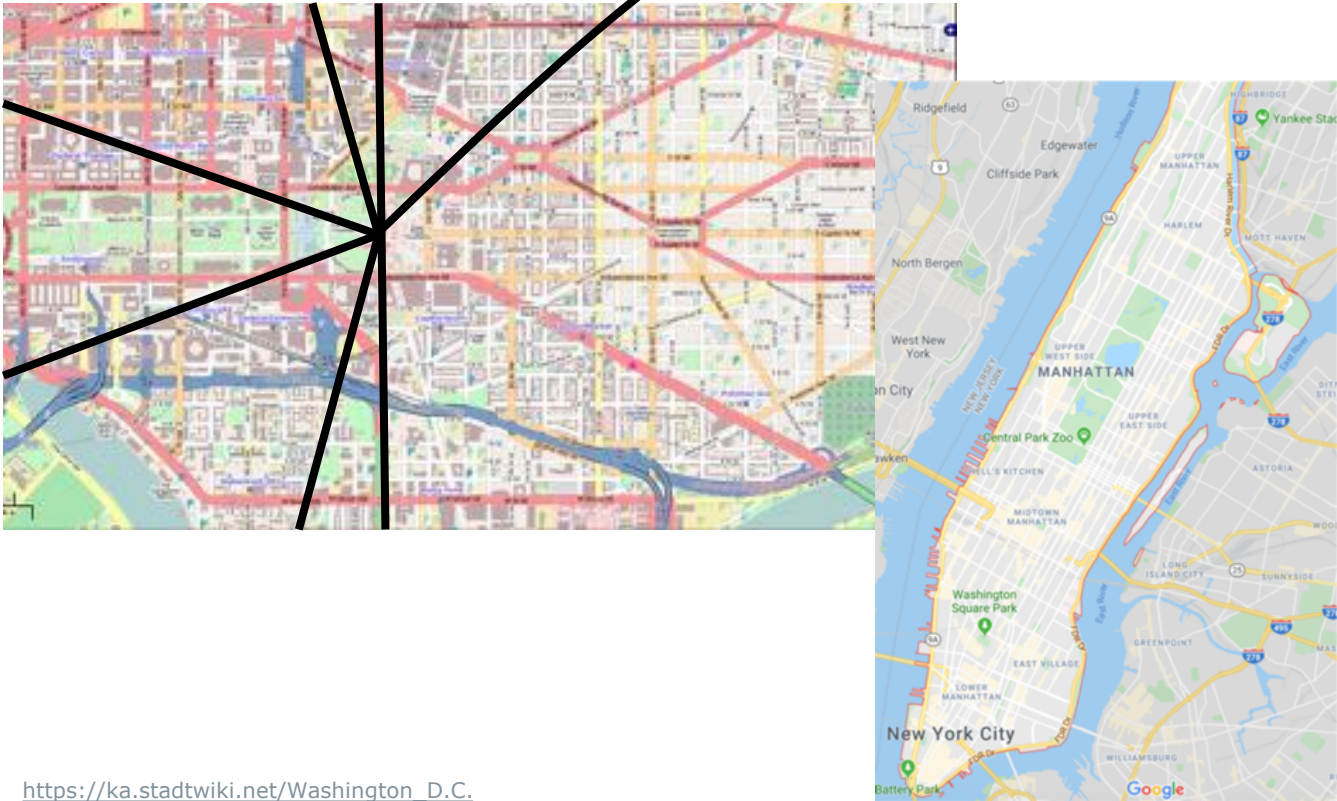
ARCHITECTURE

ARCHITECTURE

https://www.karlsruhe.de/b1/stadtgeschichte/kulturdenkmale/denkmaltag_archiv/2008/innenstadt/schloss.de
https://de.wikipedia.org/wiki/Intercity-Express#/media/Datei:Karte_IC-,_EC-_und_ICE-Strecken_Deutschland.png
<https://www.tolerant-software.de/blog/2014/09/25/hauptstrassen-und-nebenwege/>



ARCHITECTURE



https://ka.stadtwiki.net/Washington_D.C.



CORE VALUES

Empathy

“capacity to understand or feel what another person is experiencing from within their frame of reference, that is, the capacity to place oneself in another's position.”

Affective empathy

“capacity to respond with an appropriate emotion to another's mental states.”

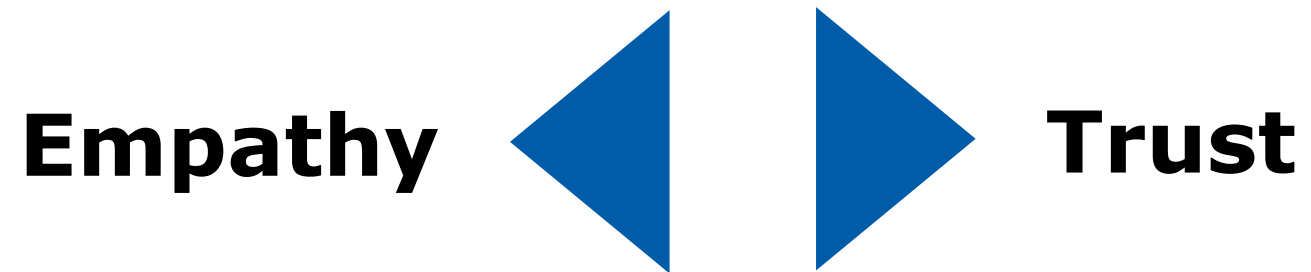
Cognitive empathy

“capacity to understand another's perspective or mental state.”

 Can also be used against you!

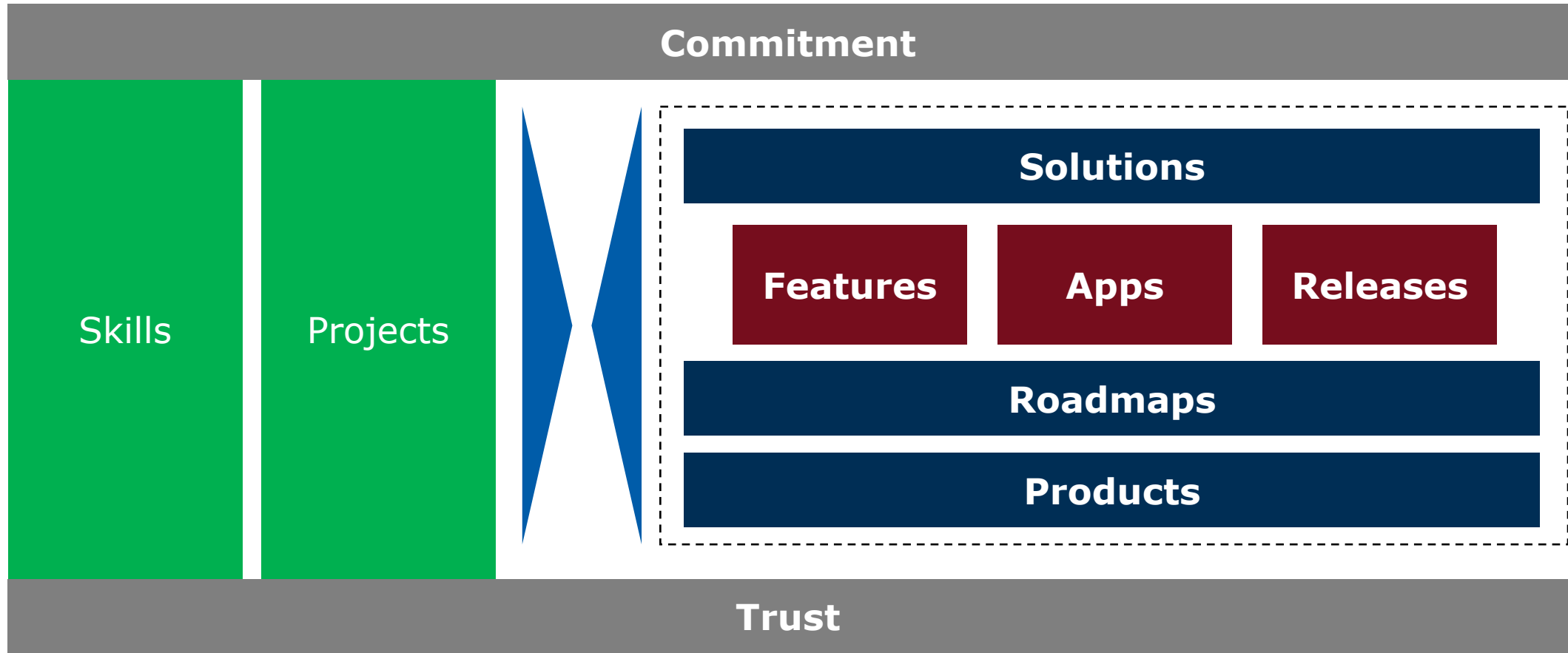
<https://en.wikipedia.org/wiki/Empathy>

CORE VALUES

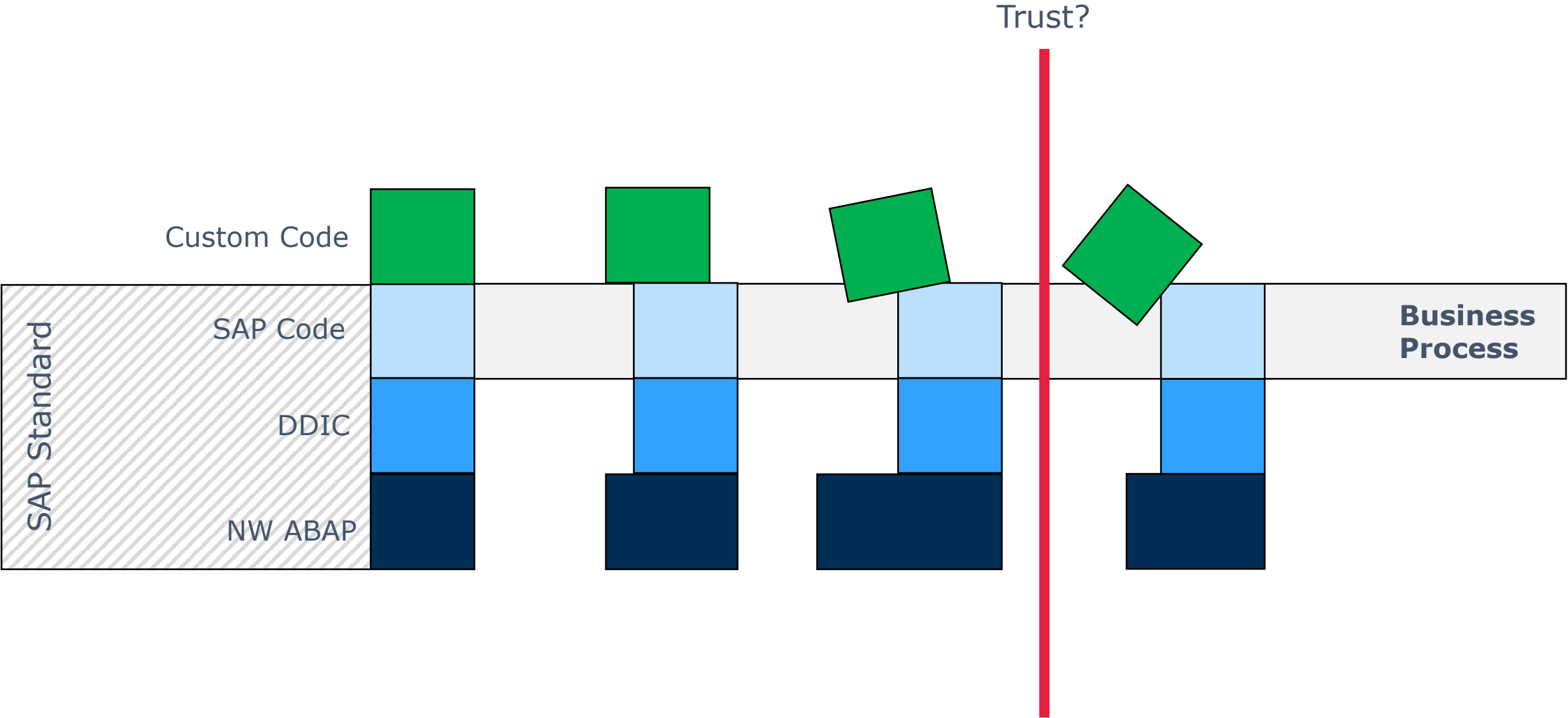


TRUST

Never underestimate the value of trust



SAP STANDARD

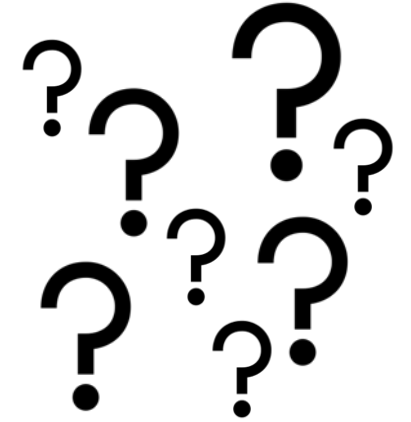


TRUST

SAP WebIDE



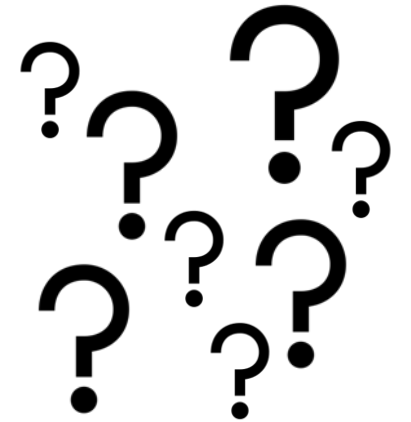
SAP Business Application Studio



Fiori Frontend
Server



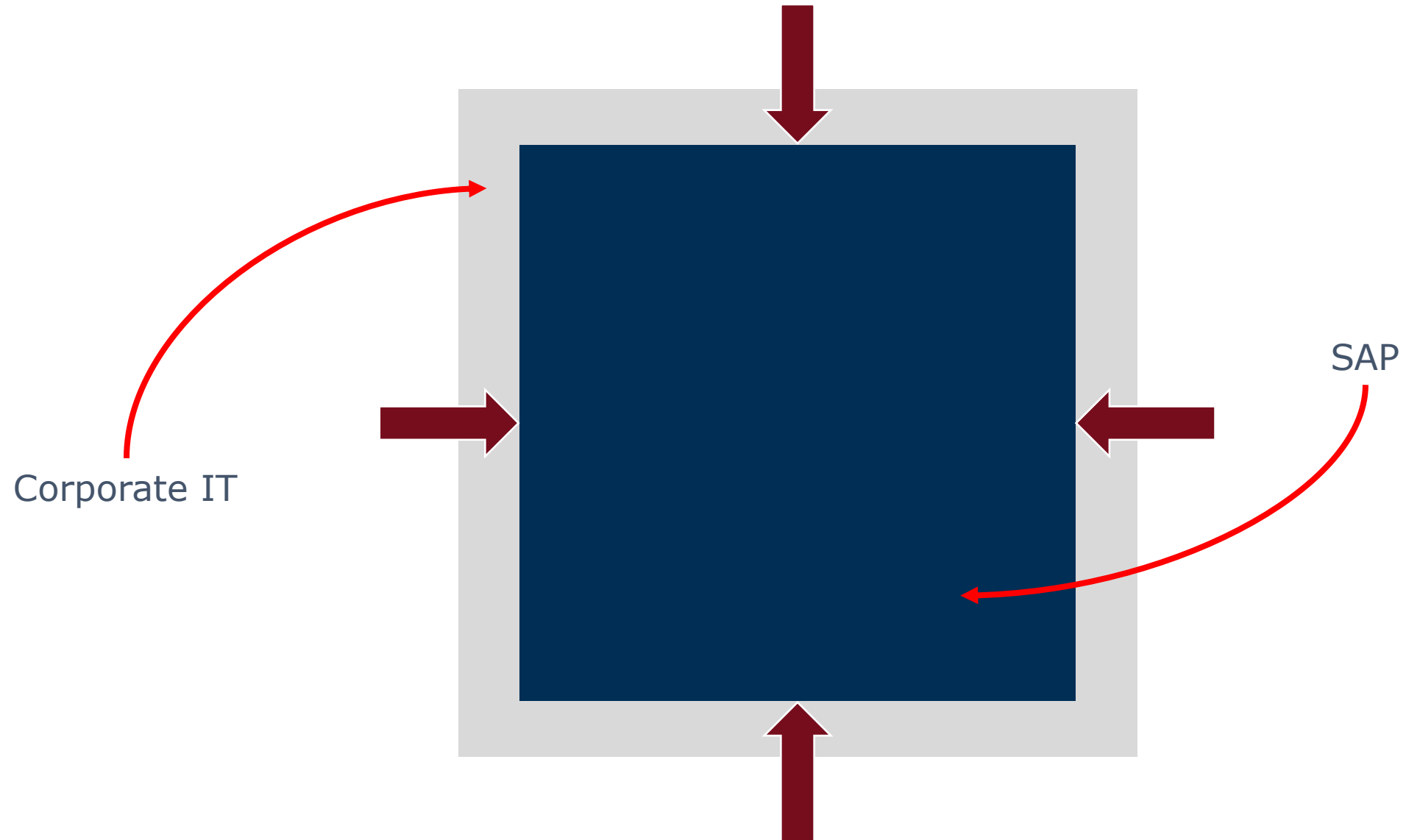
Central Fiori Launchpad



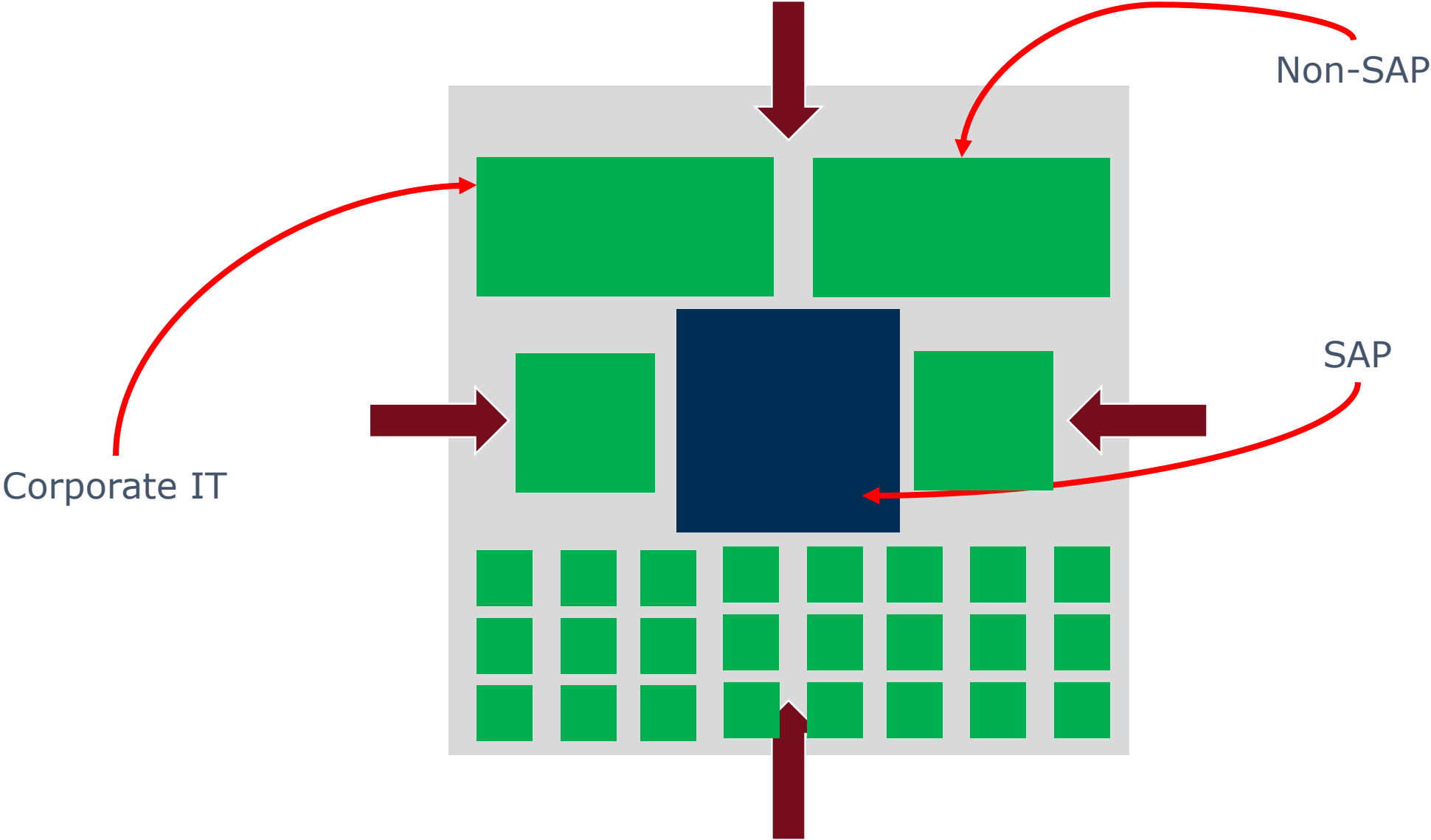
A person is holding a tablet computer, displaying a webpage with a car image. The background shows a desk with papers and a pen. The entire image is overlaid with a semi-transparent blue filter.

MULTICLOUD

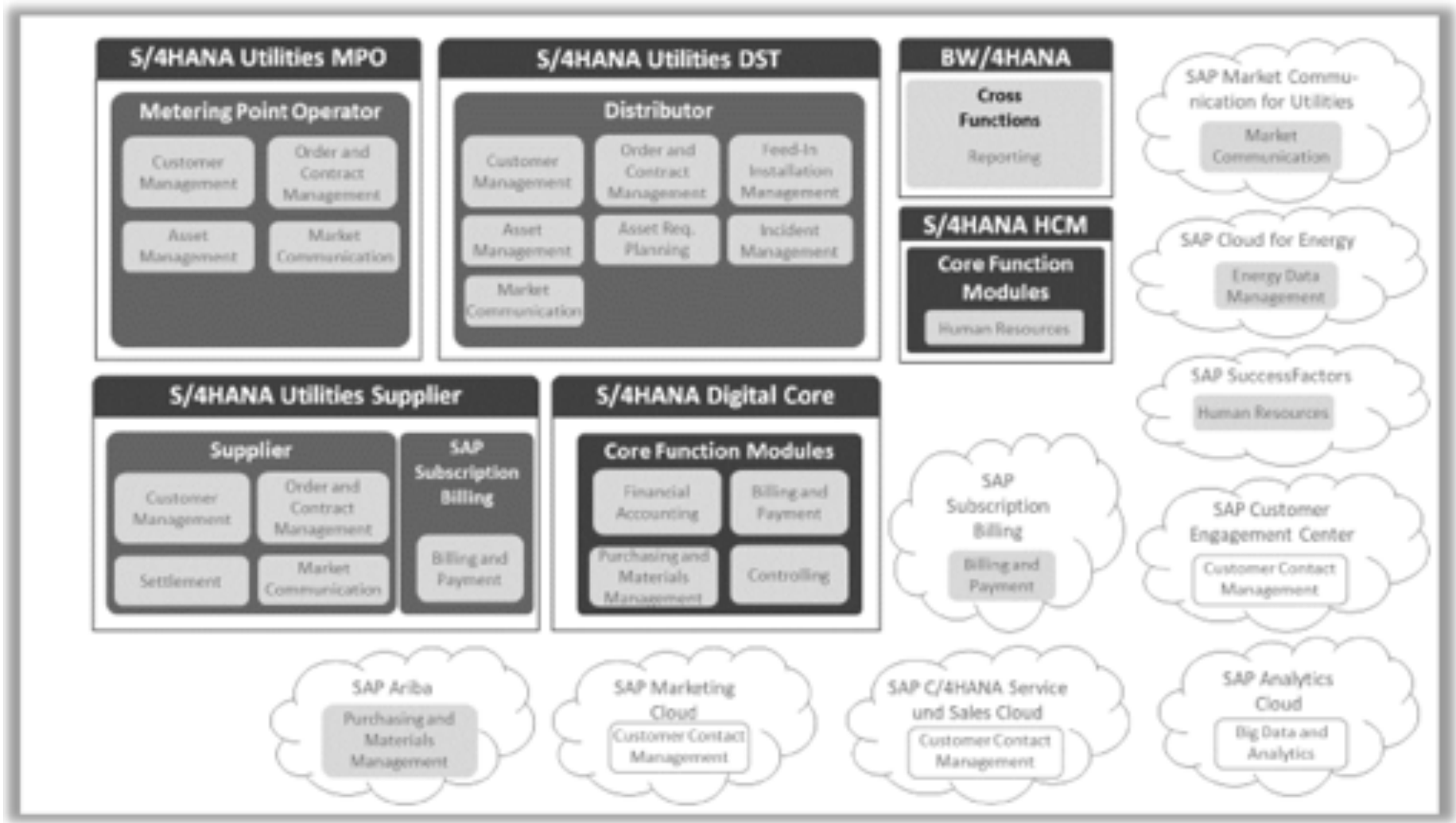
GOOD OLD DAYS



GOOD OLD DAYS ARE OVER



CLOUD



https://www.dsag.de/sites/default/files/dsag_guideline_sustainable_it_for_energy_providers.pdf

CLOUD

API

CLOUD

Integration

Open

Extensibility

Availability

Cost effective

Simple

ABAP IS FLEXIBLE AND WORKS

Why SAP and ABAP is so great: ABAP as a pizza (AaaP)



Standard



Gives: What you need

Add: What you want



<https://de.wikipedia.org/wiki/Pizza>

<https://imgur.com/gallery/oGLJt>

ABAP as a Pizza

Tudo acaba em pizza
- Milton Peruzzi

Brazilian Proverb
Translation: All's well that ends well

Tobias' law: **All ABAP projects will end as Brazilian Pizza**

KEEP THE CORE CLEAN

Problem: cleaning up the mess

SAP Standard transaction does not start with Z

SAP offers solutions for a specific business problem, not a programming platform

Process may stay over releases, underlying technology not

Do not depend too much on SAP code

Problems

SAP did not do a lot in the last decades to prevent technical debt

API driven development discovered only since a few years

20+ year old programming techniques are still new

Allocation of resources, long term assignments, projects, SI, customers, governance, ...

SAP CLOUD

SAP Cloud Application Programming Model

ABAP will stay around for a long time: as core

The future is cloud



Clean core

Cloud SDK

ABAP is just an option

Many first class citizen

Idea

Add what you want

Don't touch the recipe

Stay sane

SAP Cloud SDK with SAP Cloud Application Programming Model (SAP CAP)

ABAP@Cloud: Cloud Restful Application Programming (ABAP CRAP) © SAP Stammtisch KA

Both do the same

- Use CDS to create a service
- Display information with Fiori (Elements)

SAP CLOUD

SAP as japanese Food



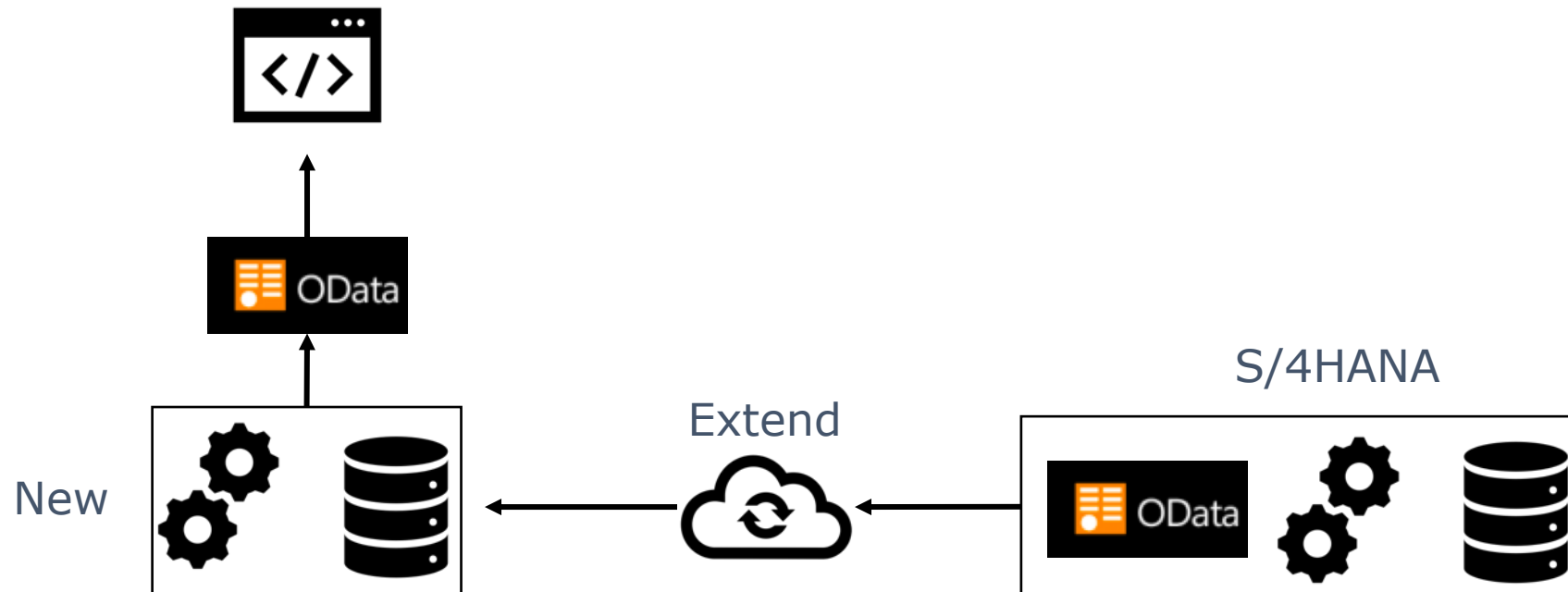
https://en.wikipedia.org/wiki/List_of_Japanese_dishes

SAP CLOUD SDK

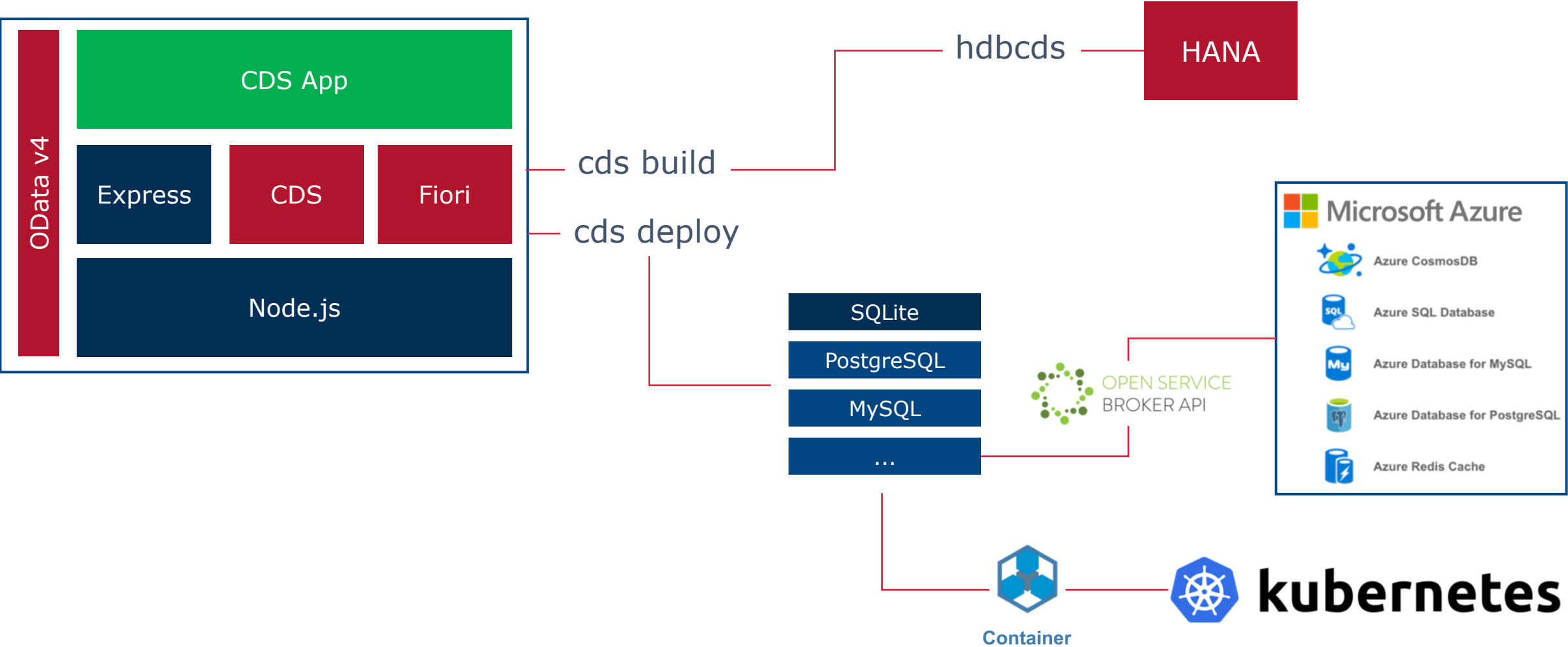
SAP Cloud Application Programming Model

High Level

- Flavors: Java, Javascript / Node.JS
- Create / Extend SAP Services / Apps
- Develop and run on SAP Cloud / HANA



SAP CAP



SAP CAP POSSIBILITIES

Depends 100% on SAP and its plans with CAP

Create native cloud applications

Use your SAP CAP knowledge to create other apps

Full stack development with CDS & Fiori

Talk a language people understand: Node.js, Javascript, NPM, Container, K8S

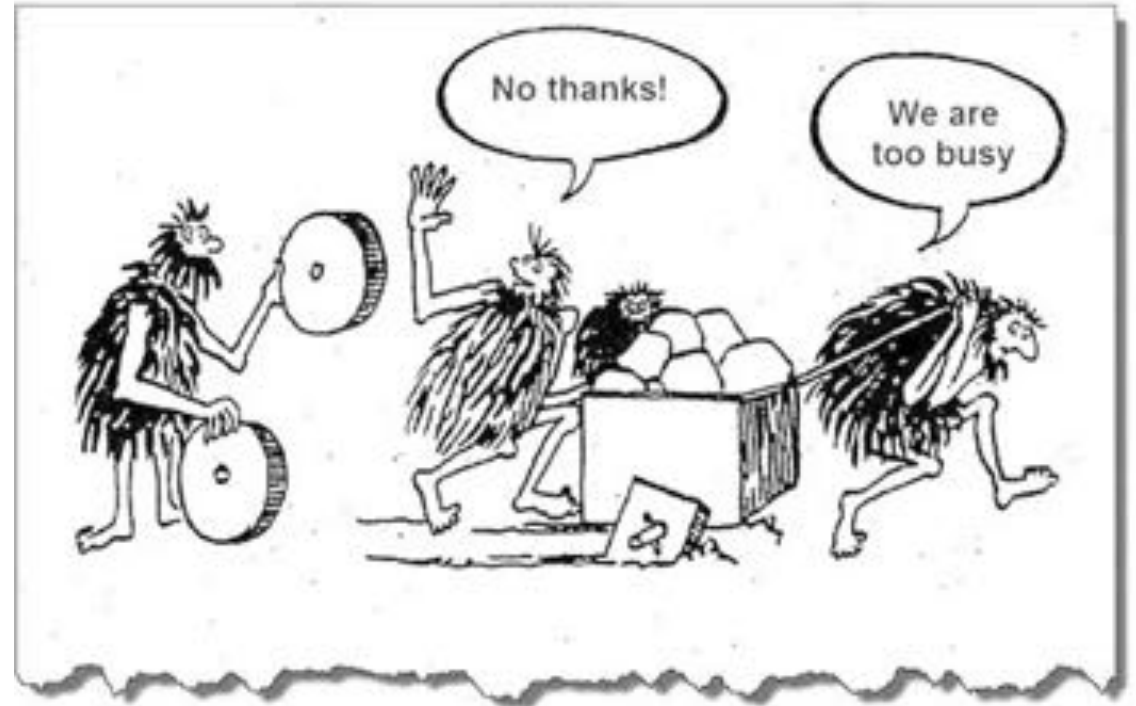
Run everywhere: real multicloud

Java devs can understand CDS: JPA, annotations

Extend with Open Source Tools

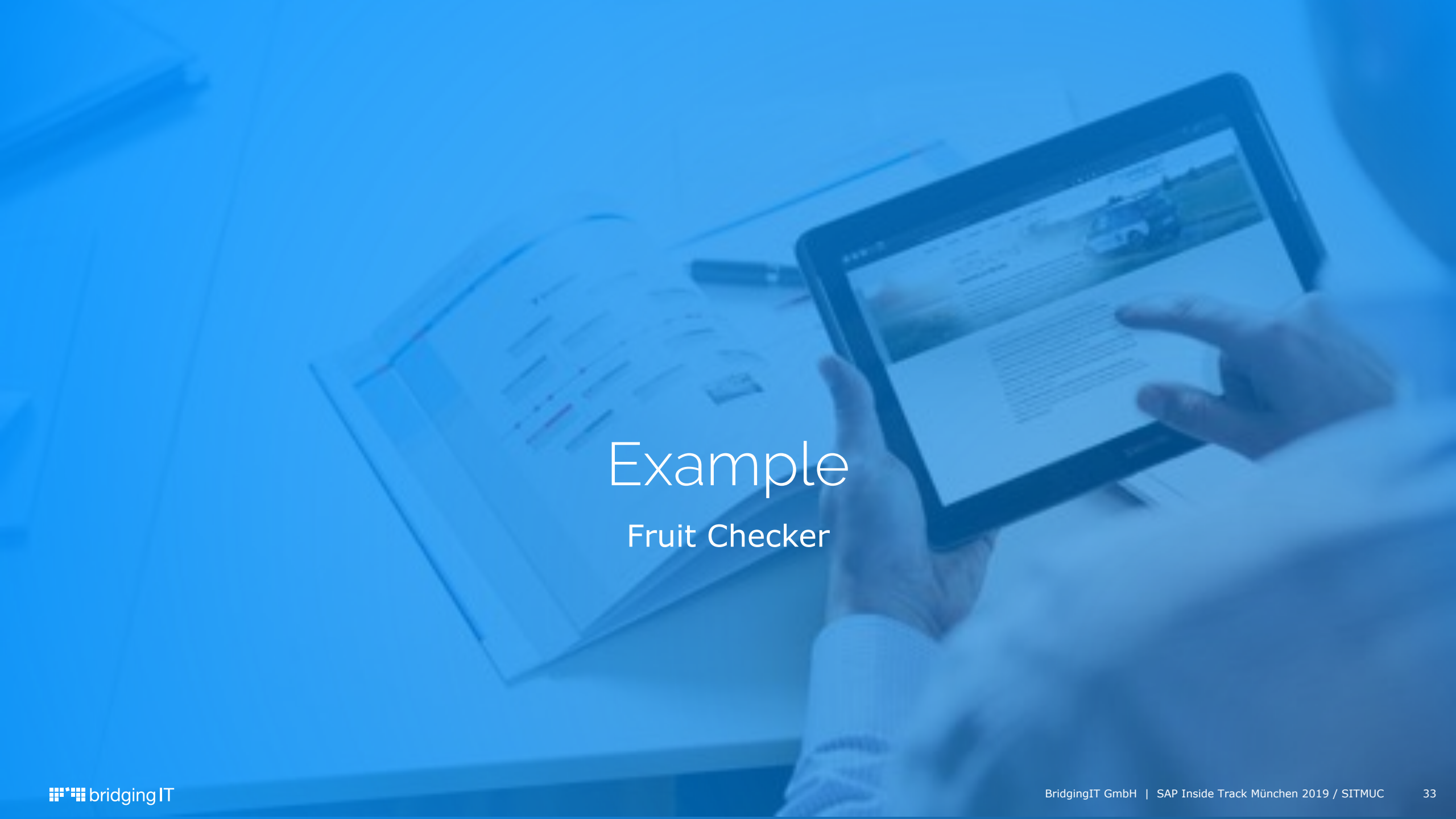
Cost efficiency. Go to HANA when it offers value to you

HANA ARCHITECTURE



<https://www.creativityatwork.com/2014/06/10/busy-innovate/>

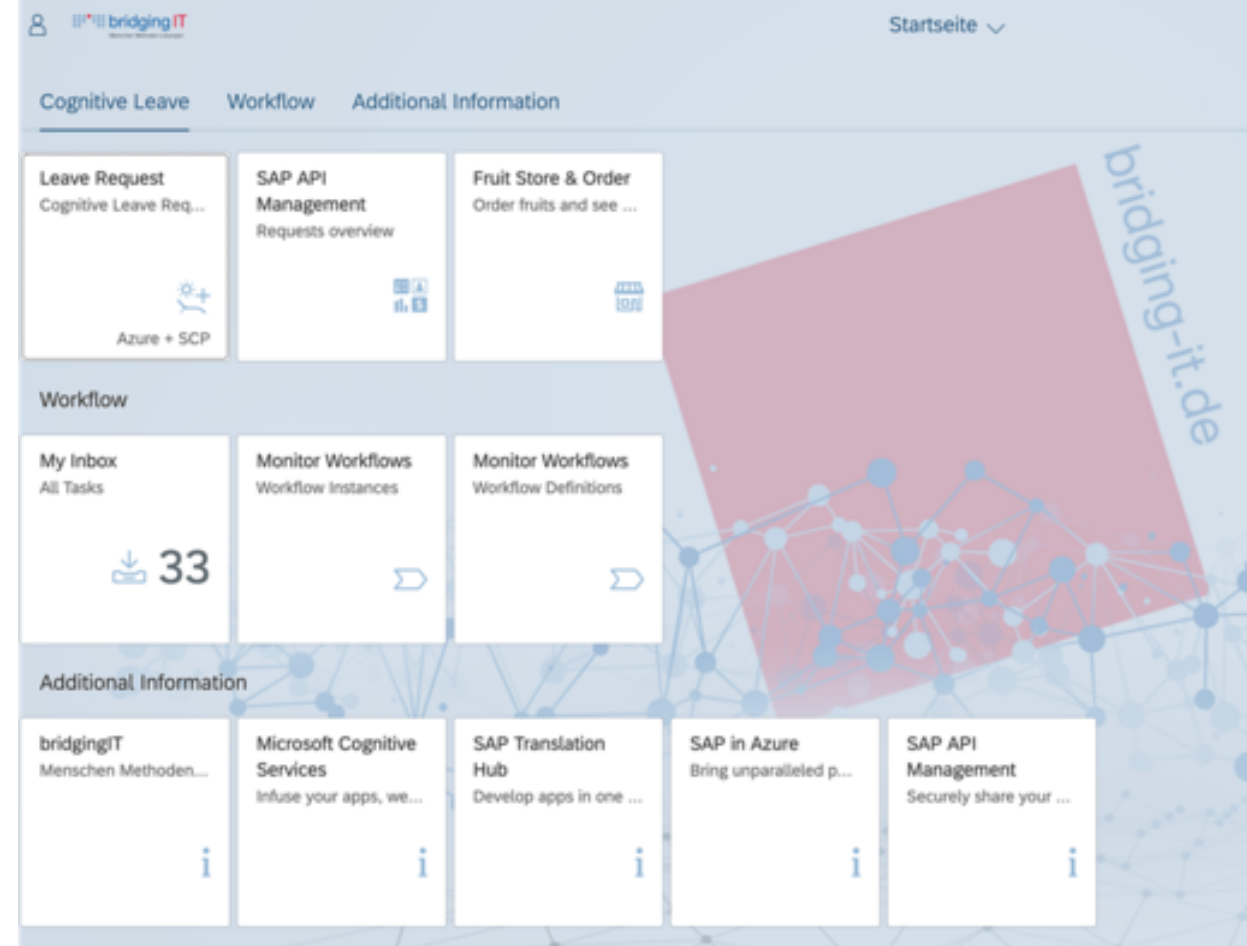


A person's hands are shown holding a tablet computer. The tablet screen displays a website with a large image of a white van in a field. The person's right index finger is touching the screen. In the background, there is a desk with some papers and a pen. The entire image is covered with a semi-transparent blue overlay.

Example

Fruit Checker

FRUIT CHECKER



SAP Cloud Fiori Launchpad

SAP Fiori 2.0

SAP CAPM App ausgeführt in Microsoft Azure Kubernetes

Odata v4 Backend

FRUIT CHECKER

Manage store



Home / Bridging IT / Microsoft / Azure /

Fruit Checker Admin Dashboard

Business Area: Retail
Technical Area: Innovation
Cost Center: Machine Learning

Availability:
Only during SAPPHIRE NOW

Overview / Store summary page



BridgingIT Stuttgart

Kleiner City Store

Tobias Hofmann

I do the best to have the best fruits

+04912377889965

+49 0721 3434567

tobias.hofmann@bridging-it.de

Marienstraße

70.178 Stuttgart

Long/Lat: 9.172568/48.772248

ORDERS

MAP

Orders

Fruit	Description	Delivery Date	Amount	Status
banana	Dringender Bedarf an Bananen	01.01.2019	12 kg	Submitted
pineapple	Brauchde mal wieder Ananas	01.01.2019	2 kg	Submitted
banana	Wie go Bana	21.05.2019	25 kg	Information

Available stores (4)

Suchen





Store	Address	Orders
BridgingIT Frankfurt	Solmsstraße 4 60.486 Frankfurt am Main	2
BridgingIT Köln	Martinsstraße 3 50.667 Köln	1
BridgingIT Mannheim	N7 5-6 68.161 Mannheim	3
BridgingIT Stuttgart	Marienstraße 17 70.178 Stuttgart	3

Liste der verfügbaren Supermärkte in einer Tabelle mit Suche
Auswahl eines Supermarkts für die Anzeige der Bestellungen
Detailansicht der Liste der Bestellungen

 bridgingIT

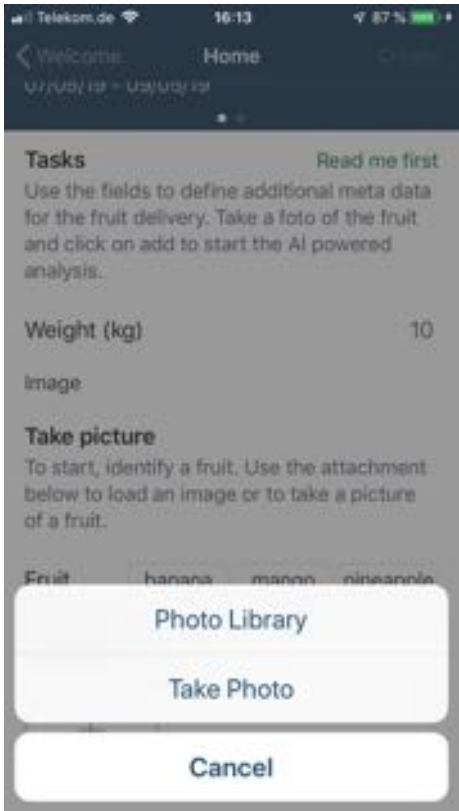
BridgingIT GmbH | SAP Inside Track München 2019 / SITMUC

35

FRUIT CHECKER

App

Picture



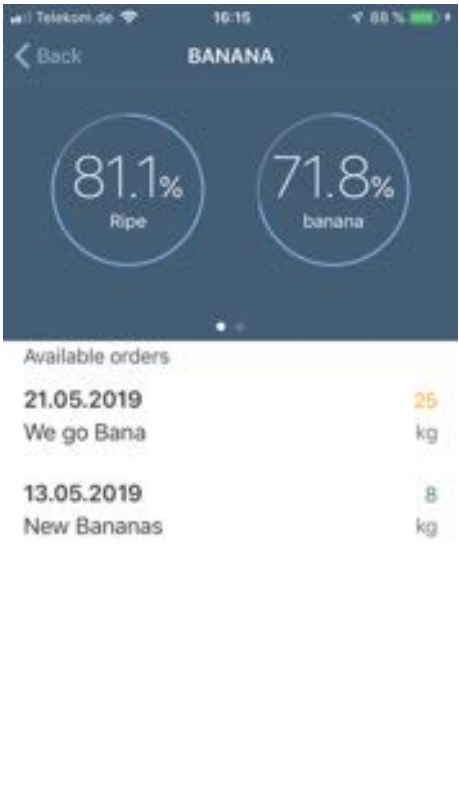
Take Picture



Edge Processing



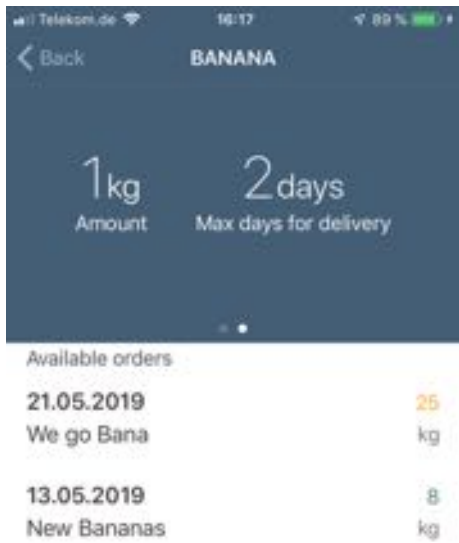
Analyse



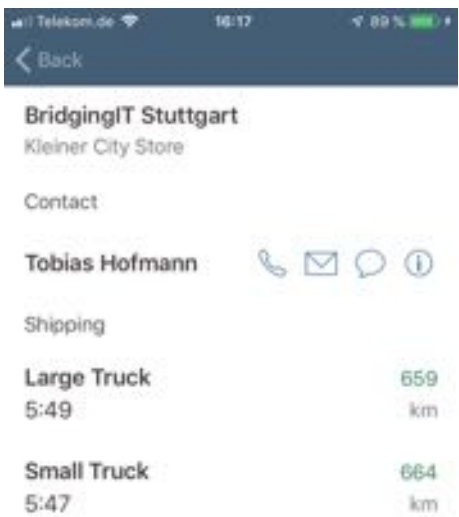
FRUIT CHECKER

App

Analyse



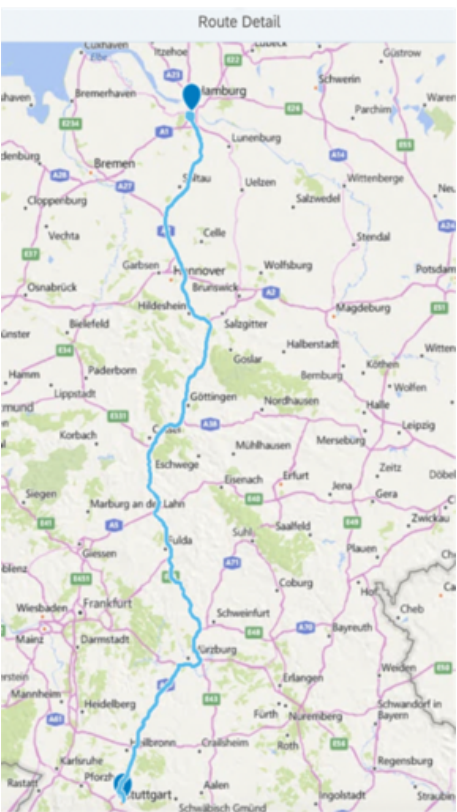
Select Route



Microsoft Truck API



Web





Yours is without a doubt the worst code I've ever run



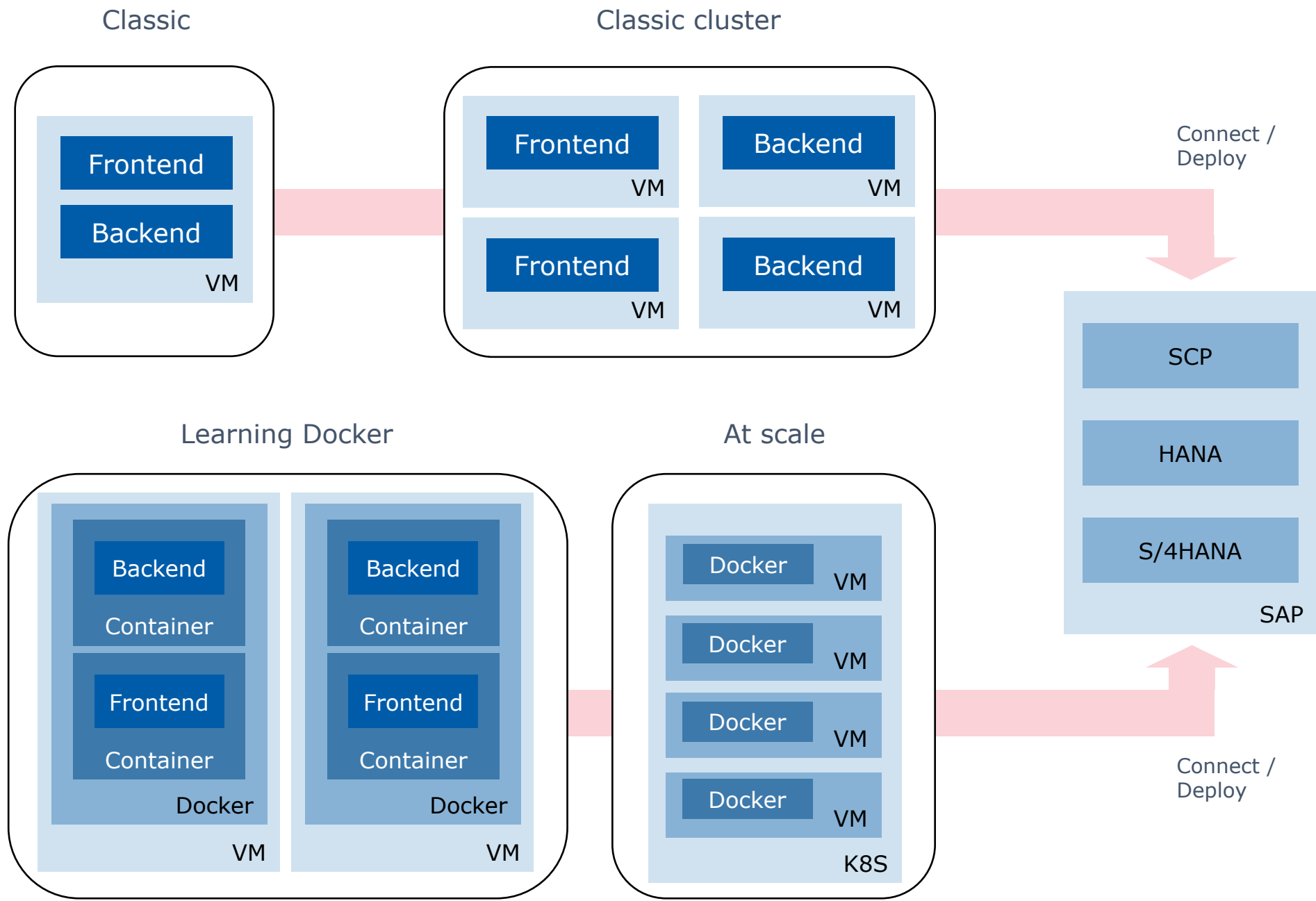
But it runs

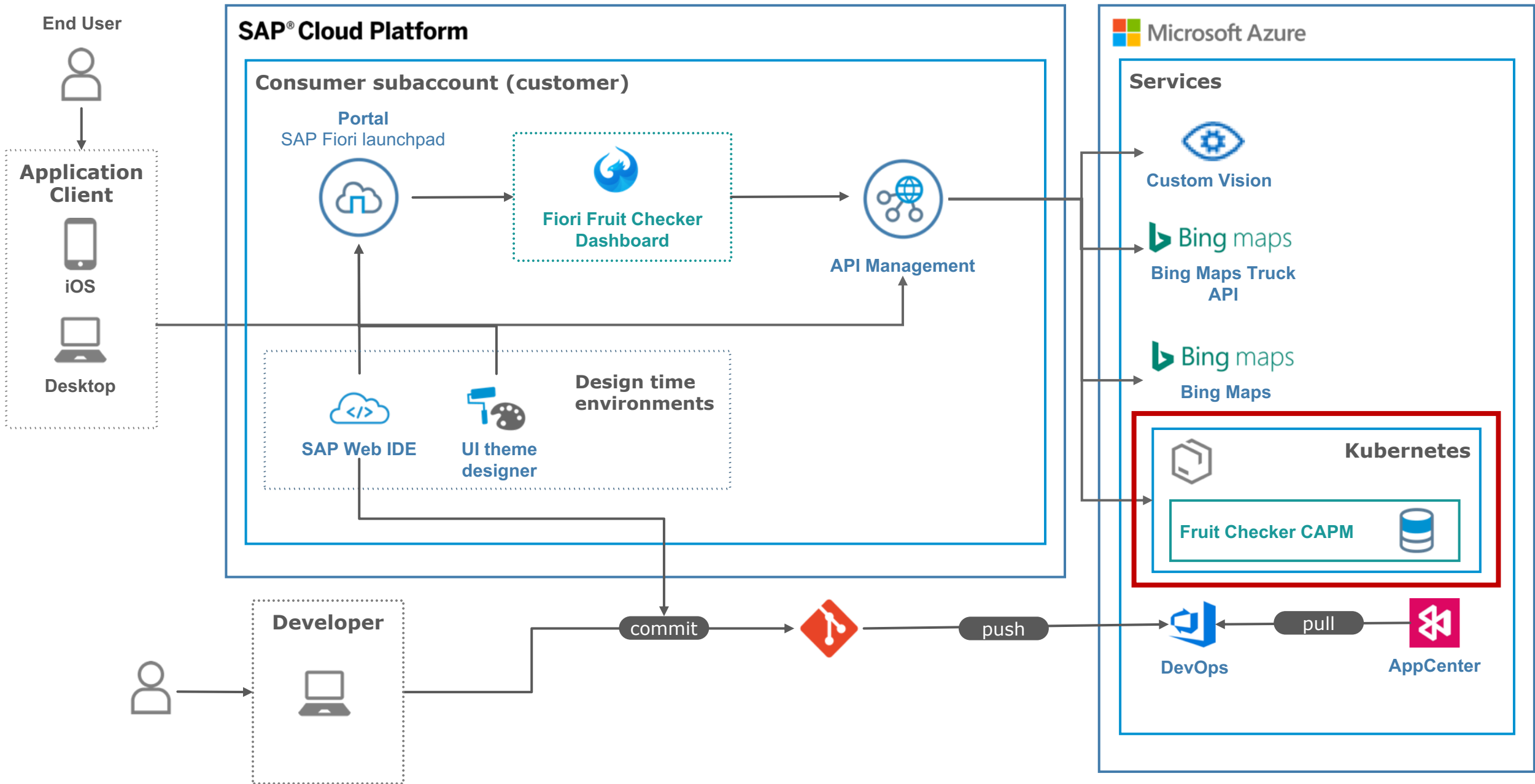
MOST INNOVATIVE PROJECT IA4SP



CAPM

Deployment







Wir freuen uns auf Sie!

Mannheim
N7, 5-6
68161 Mannheim

Karlsruhe
Rüppurrer Str. 4
76137 Karlsruhe

Frankfurt
Solmsstraße 4
60486 Frankfurt

Stuttgart
Marienstraße 17
70178 Stuttgart

Köln
Martinstraße 3
50667 Köln

München
Riesstraße 12
80992 München

Zug (CH)
Baarerstraße 14
CH-6300 Zug

Nürnberg
Königstorgraben 11
90402 Nürnberg

Berlin
Friedrichstr. 68
10117 Berlin