
AWS
re:Invent
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Accelerate Value for Your Business with SAP and AWS Joint Reference Architecture

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Agenda

Amazon Web Services (AWS) and SAP partnership

- Strong partnership and the possibilities

Joint reference architecture overview

- Motivation and the value of combining services

Platform foundation

- High availability of SAP Business Technology Platform (SAP BTP) services with Amazon Route 53

Data to value

- Recommended architectures to access data for reporting and planning

Integration and app development

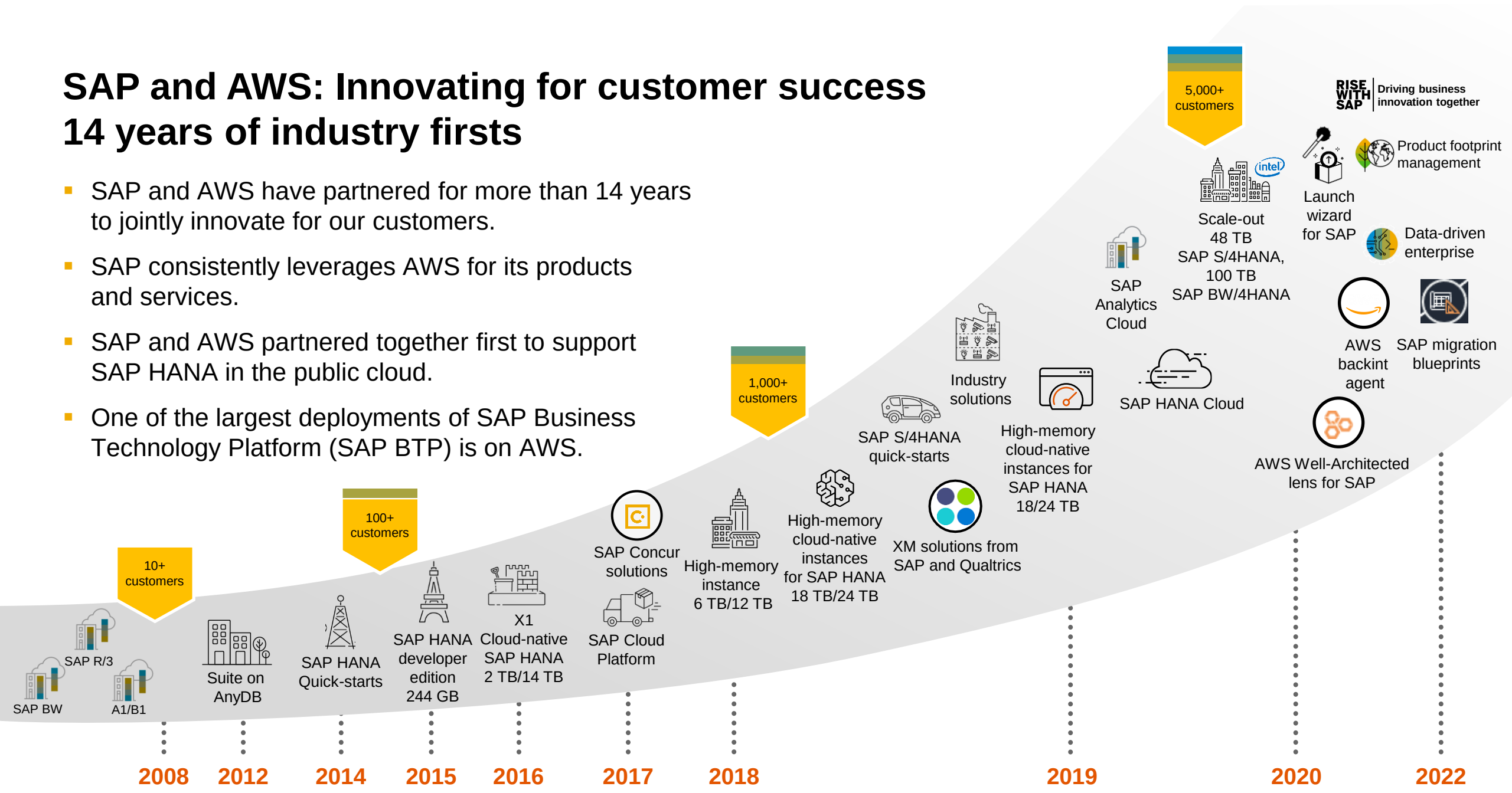
- Recommended designs to enhance or develop business applications

Amazon Web Services (AWS) and SAP Partnership



SAP and AWS: Innovating for customer success
14 years of industry firsts

- SAP and AWS have partnered for more than 14 years to jointly innovate for our customers.
- SAP consistently leverages AWS for its products and services.
- SAP and AWS partnered together first to support SAP HANA in the public cloud.
- One of the largest deployments of SAP Business Technology Platform (SAP BTP) is on AWS.



RISE with SAP on AWS – Driving innovation together

Intelligent
ENTERPRISE

Starting Point

Lean versus complex

Business process redesign

BUSINESS PROCESS INTELLIGENCE

Technical migration

TOOLS AND SERVICES

Business foundation

SAP S/4HANA AND NETWORKS

Build your intelligent enterprise

INDUSTRIES*

LINES OF BUSINESS*

APPLICATIONS AND NETWORKS

PLATFORM

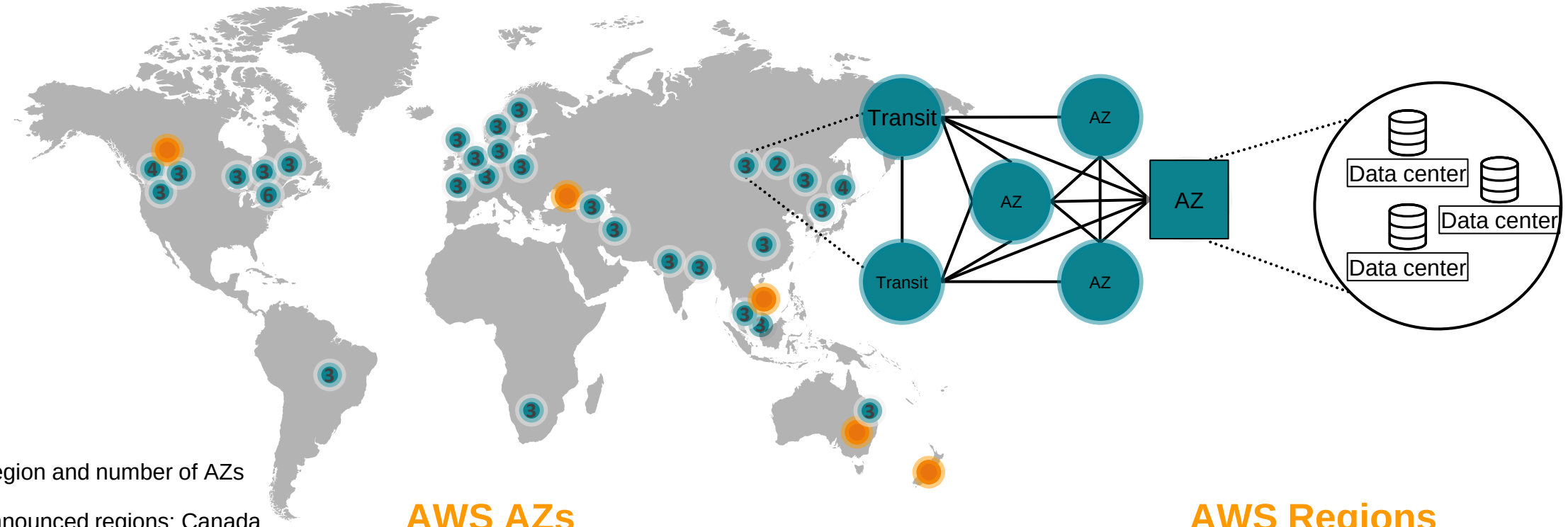
aws CLOUD INFRASTRUCTURE

Installed base customers

*Customers can choose from five industries (automotive, consumer products, industrial manufacturing, retail, and utilities) and two line-of-business (LoB) packages for transformation.

AWS Global Infrastructure

30 GEOGRAPHICAL REGIONS, 96 AVAILABILITY ZONES, 410+ POPS



Region and number of AZs

Announced regions: Canada West, Israel, Melbourne, Thailand and Auckland

Updated as of November 27, 2022

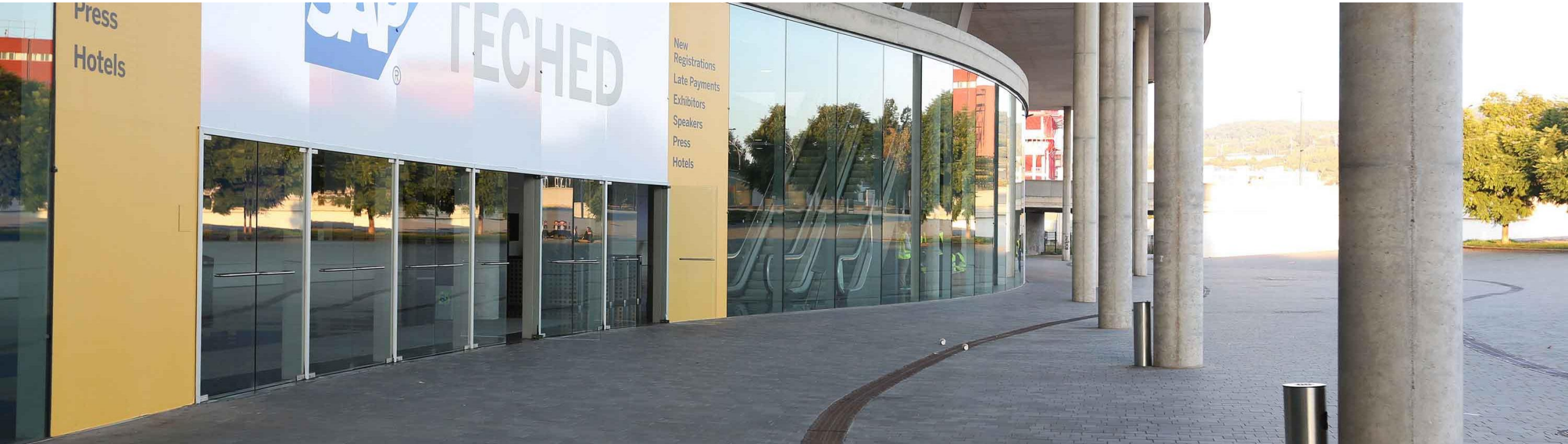
AWS AZs

AZs consist of one or more discrete data centers, each with redundant power, networking, and connectivity, housed in separate facilities

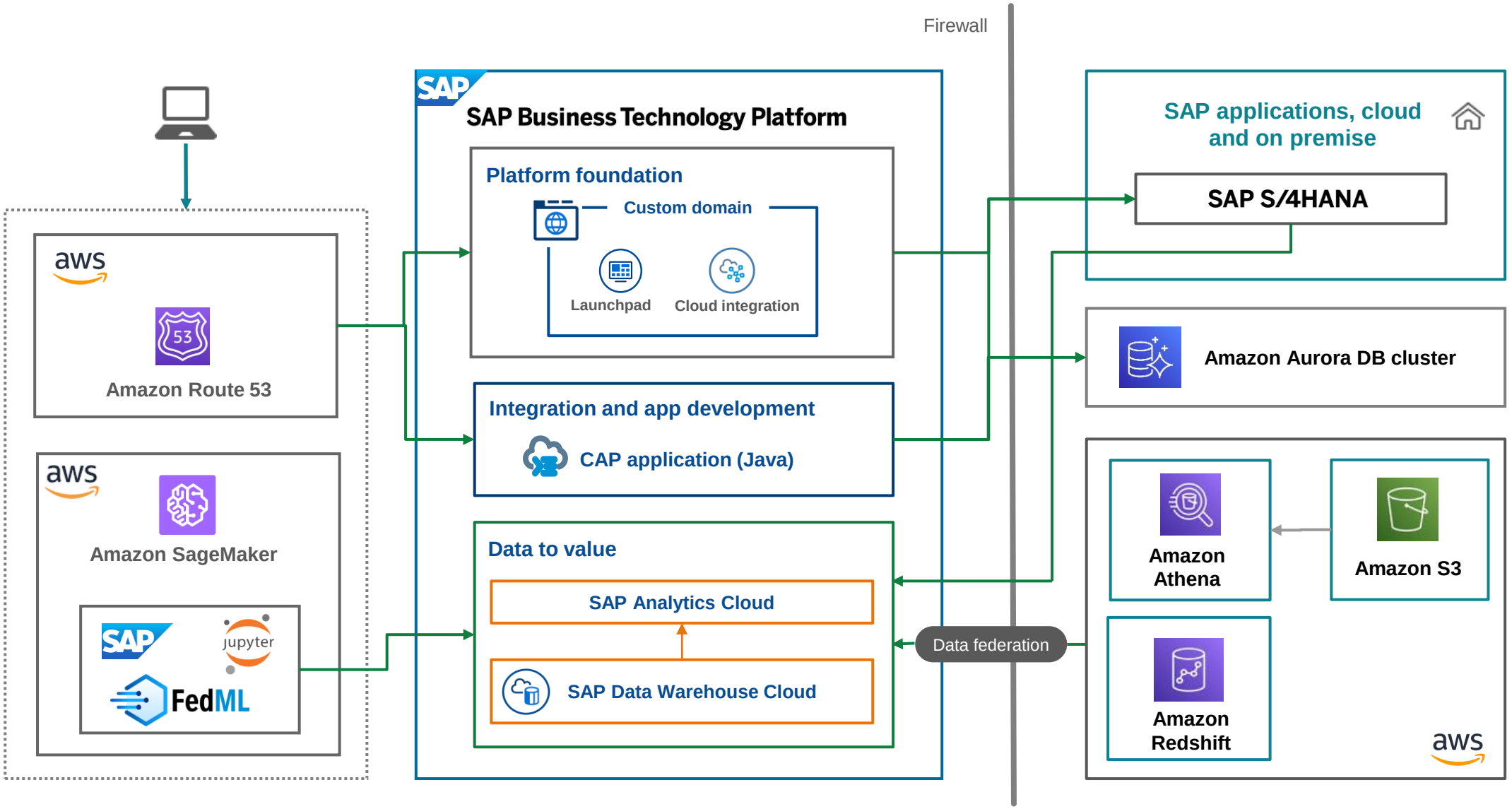
AWS Regions

AWS Regions are physical locations in the world where we have multiple AZs

Joint Reference Architecture Overview



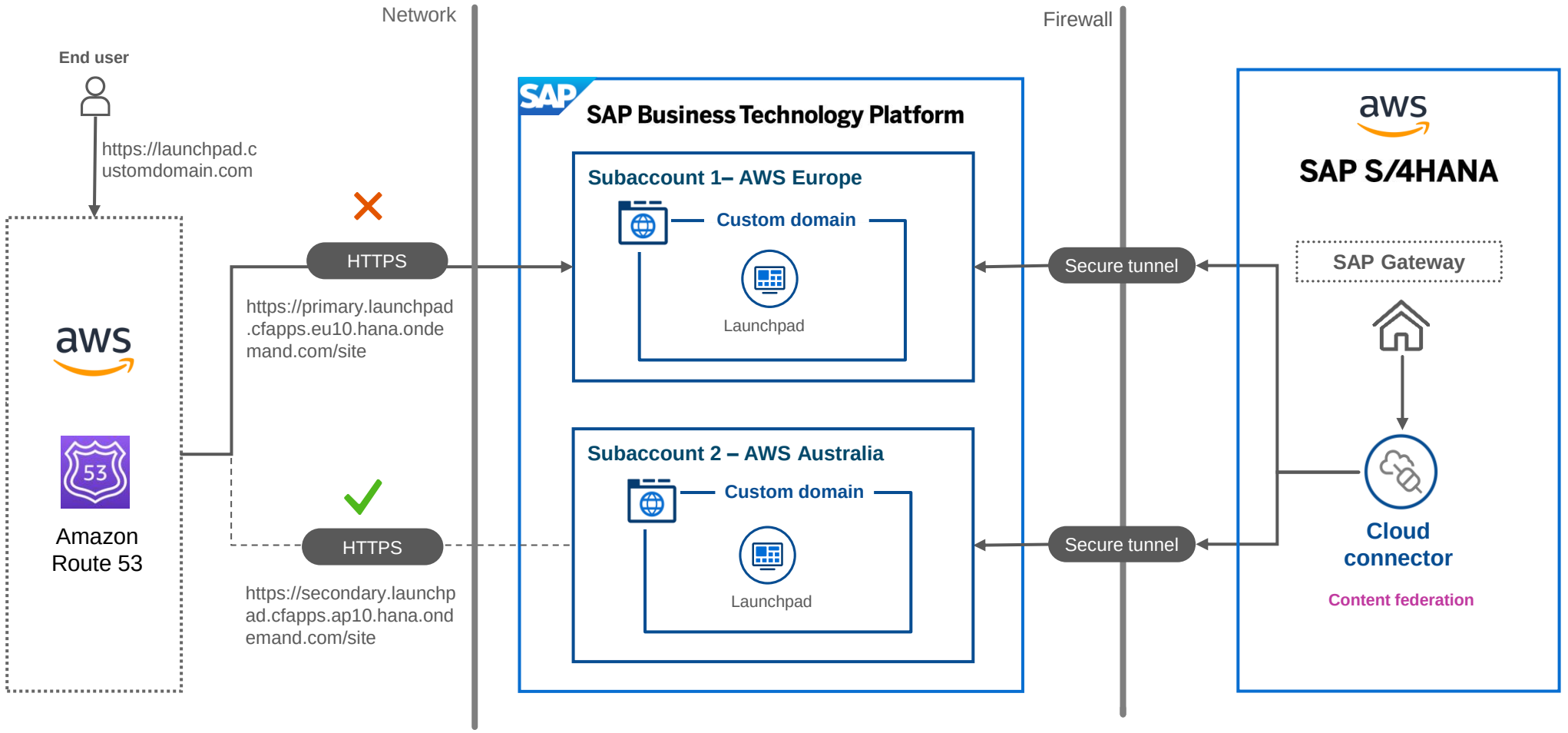
SAP and AWS joint reference architecture



Platform Foundation



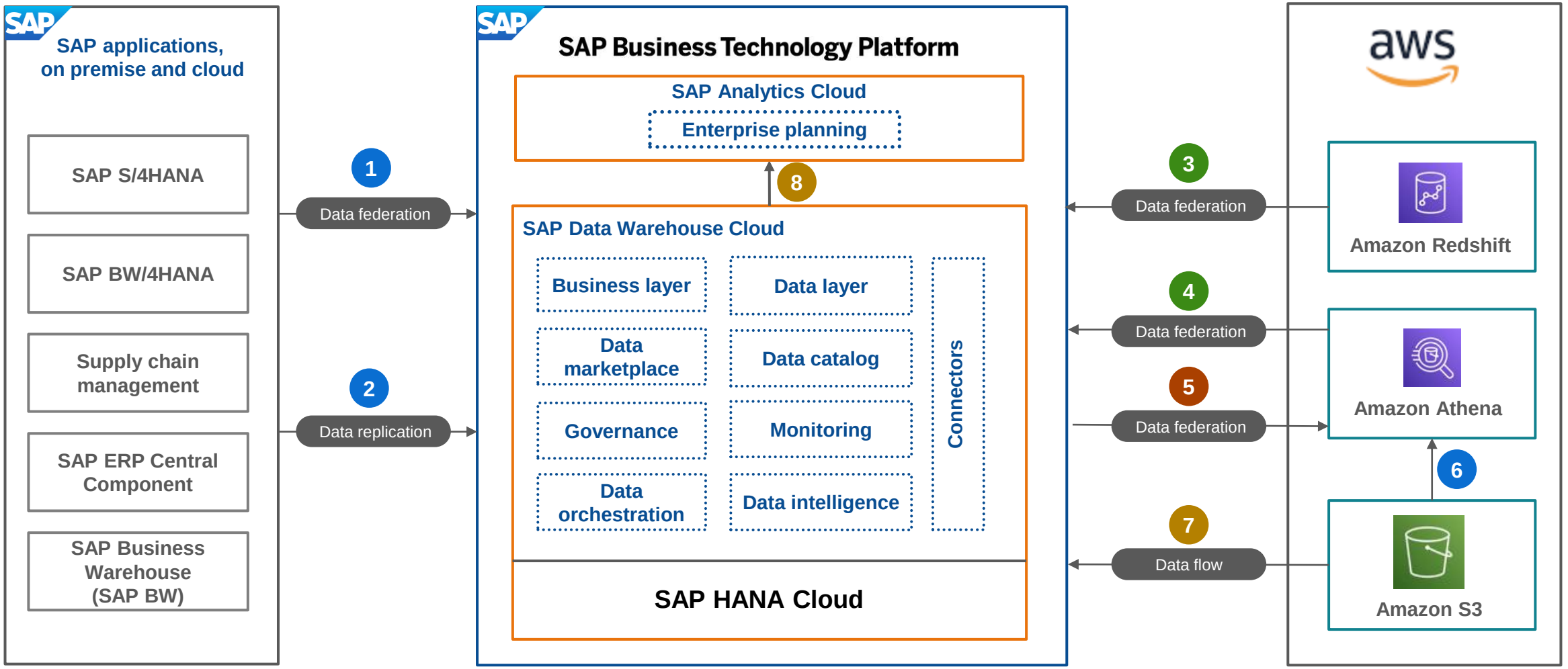
High availability of SAP Launchpad service leveraging Amazon Route 53



Data-to-Value Architectures



SAP and AWS: Data to value – Data federation architecture



Data federation architecture

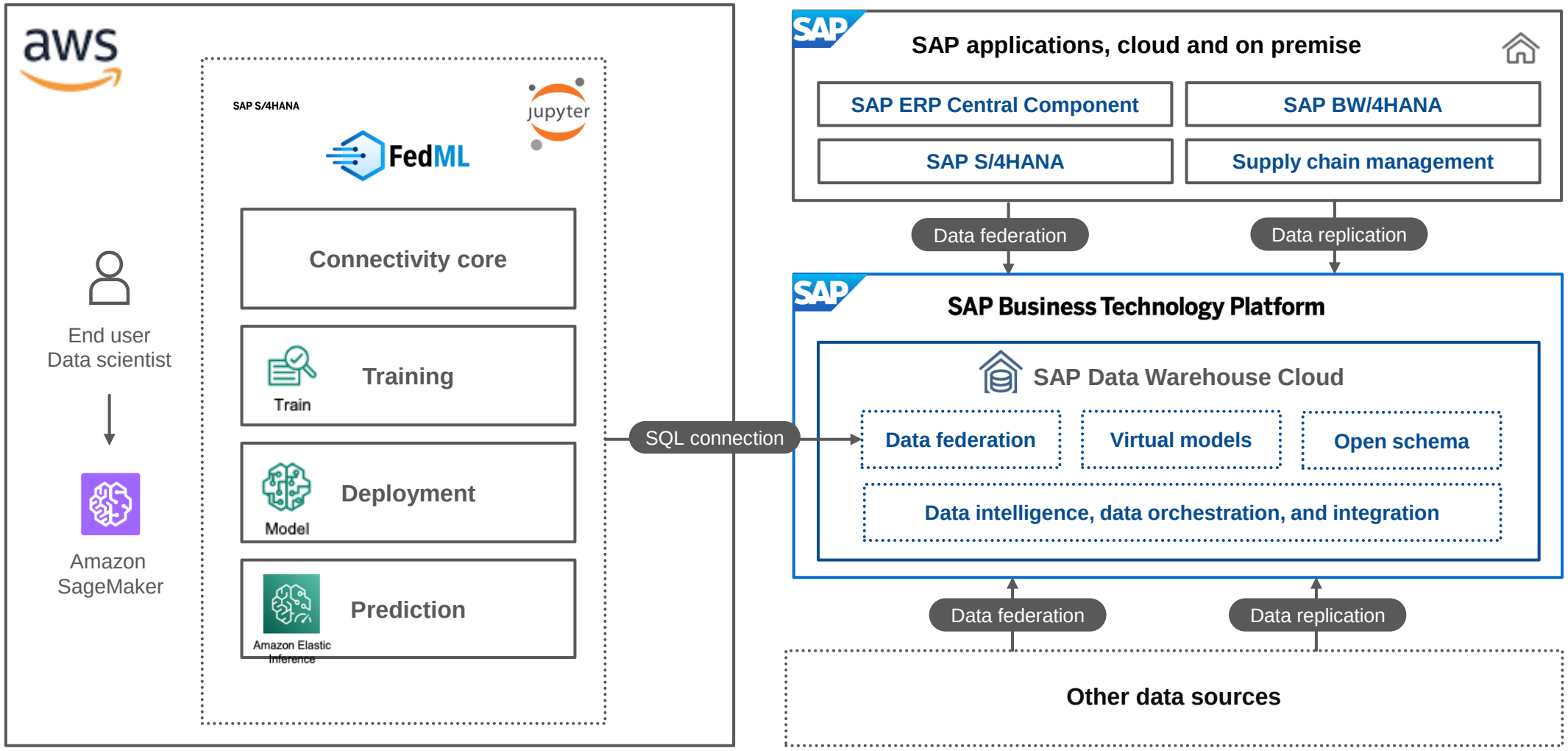
Advantages

- Real-time access to both SAP and third-party data
- Elimination of data duplication and data pipeline, leading to increased productivity

Business value and impact

- Quicker and better business insights from analytics on real-time data
- Lower TCO from reduced extract, transform, and load (ETL)
- Automatic General Data Protection Regulation (GDPR) compliance
- Ability to leverage existing investments

SAP and AWS: Data to value – Data federation architecture for machine learning

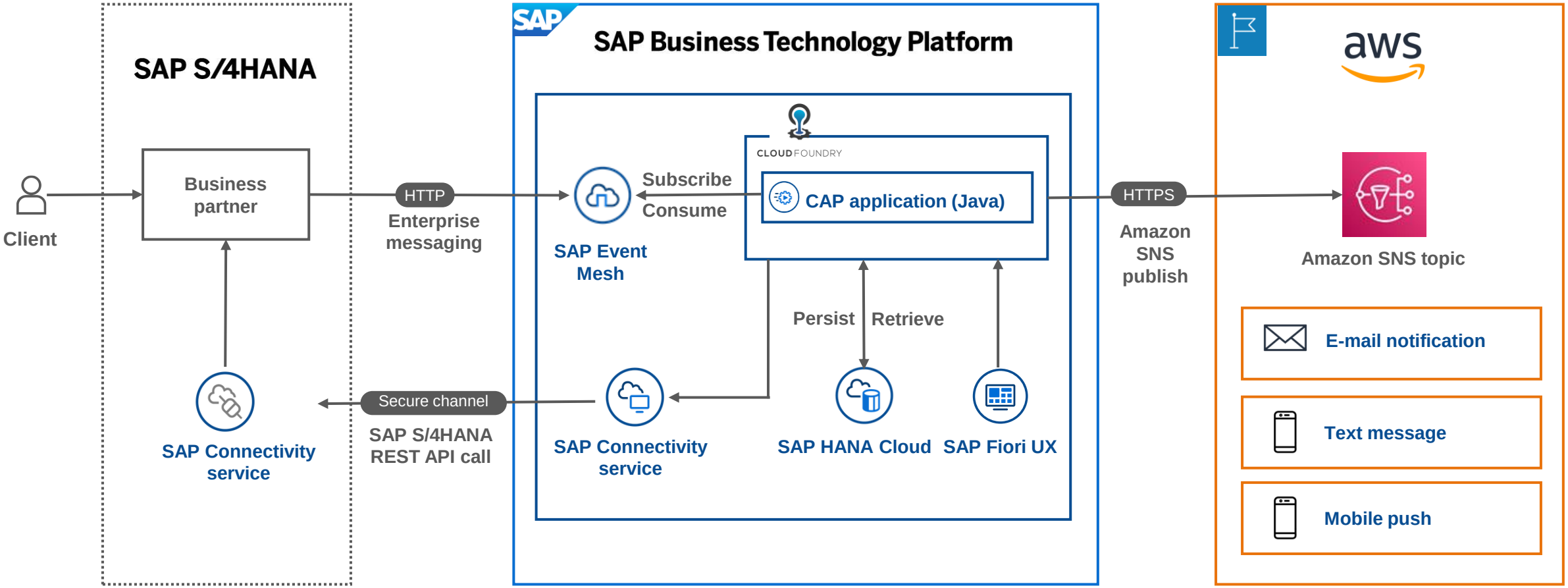


Integration and App Development



Event-based notifications with Amazon SNS

E-mail, SMS, or push notification triggered by events from SAP S/4HANA



Define high-value business challenges	Scope & Timeline	Execute PoV – Agile Prototyping	PoV Final presentation	Scale

Key Activities

- Meet with customer executives to understand technology & business challenges
- 1-2 Meetings

- Conduct virtual workshop/discussion with customer Business and IT to refine high value use case into prototypes
- 2-3 Days

- Prepare infrastructure
- Extract, transport and load data
- Understand & model data
- Iterate in rapid cycles with customer domain experts
- Weekly validation based on customer feedback
- ~6-8 weeks

- Present PoV result to customer executives and key stakeholders
- 1 Day

- Handover the PoV to SAP services who will make it production ready
- 1 Day

Stakeholders

- Customer Executive Sponsor(s)
- SAP Account Team
- SAP & AWS Team

- Customer Executive Sponsor(s)
- Customer Domain experts
- SAP Account Team
- SAP and AWS Team

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- Customer Executive Sponsor(s)
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- SAP Account Team
- SAP Services

Deliverables

- High level potential business scenarios & requirements
- Contacts to customer domain expert
- (Contacts to customer customer(s))

- Broad consensus on use case and PoV success criteria from IT & Business
- Fast sketched, rough, paper based prototypes
- Customer signs-off on PoV scope, timeline, resources and success criteria

- Customer data collected and analyzed
- HW, SW provisioned
- Fully functional POV delivered on time, validated with customer

- Project documentation
- Recommendations for next phase (pilot/implementation)

Criteria for Customer:

- **Customer executive sponsorship.**
- **Commitment for external success story or testimonial.**
- **Commitment to mutually agreed timeline.**
- **Feedback agreement established.**
- **Access to customer's relevant data & experts for the duration of PoV.**
- **Implementation Partner Involvement.**

Next Steps

Predict Inventory Allocation – Retail

SAP & AWS Use cases

SAP on AWS

Thank you!

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