

pearl



Extend S/4HANA with AWS

Why SAP on AWS?

SBN Webinar, April 16th 2021

Stig Skaugvoll
Partner Development Specialist - SAP
AWS



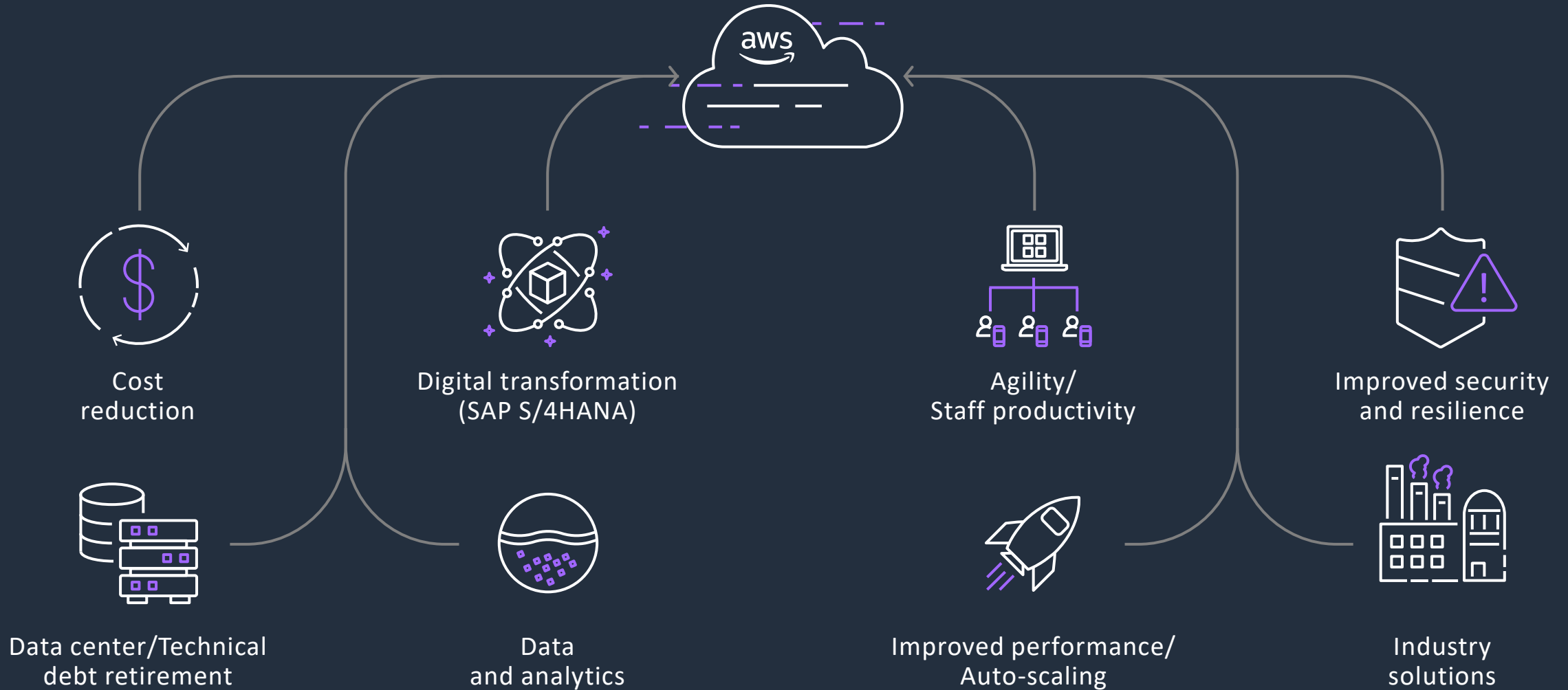
Agenda

- SAP and AWS
- Pearl Group
- Fjellsport/Outnorth and AWS
- Why migrate to AWS?
- AWS specific support for SAP

SAP and AWS

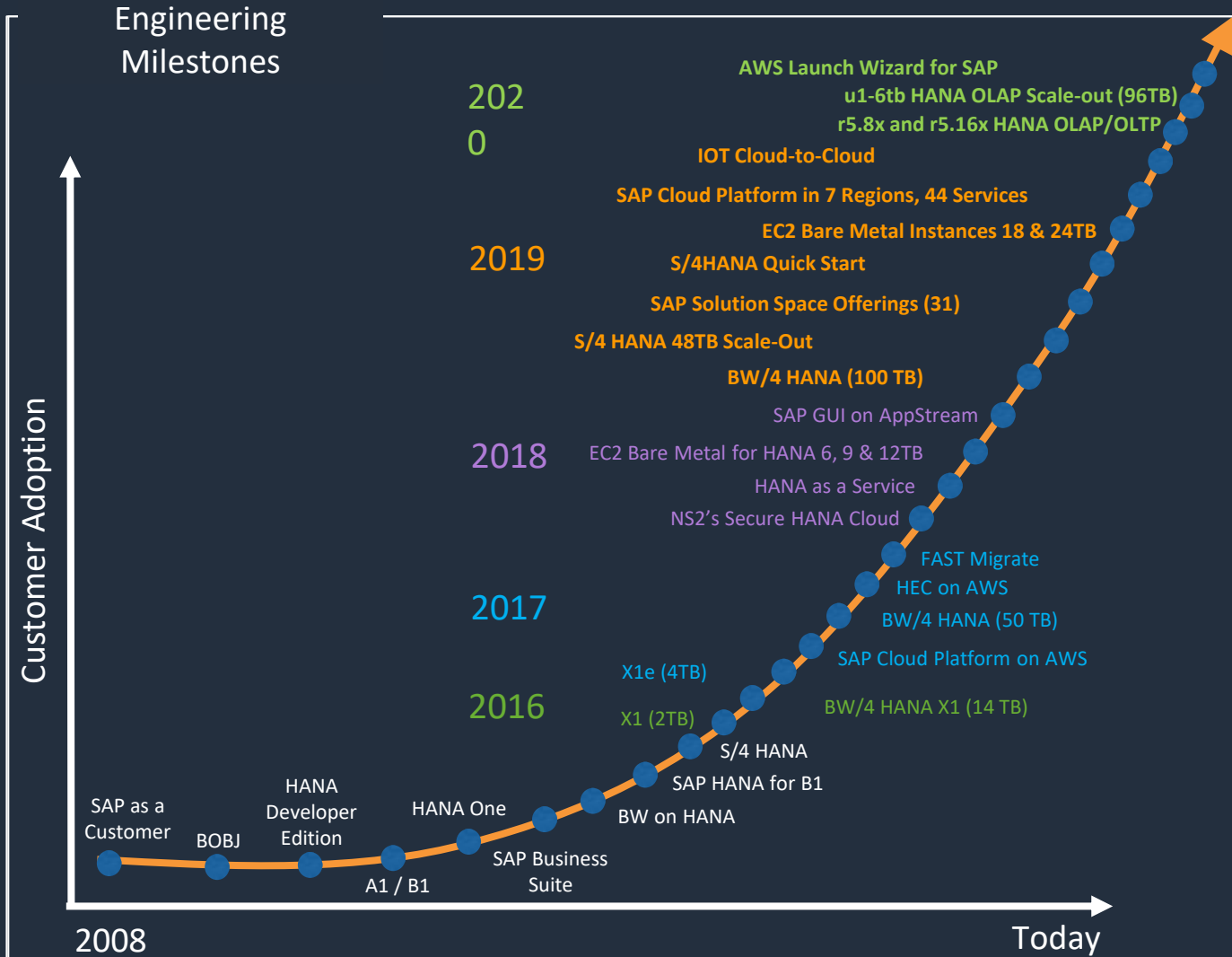


Business drivers for migrating SAP to the cloud



The SAP | AWS alliance

13 years of un-Matched Pace of Innovation and Relationship



SAP on AWS



SAP and AWS long term partnership for cloud innovation



RECENT
CO-INNOVATIONS



SAP Analytics Cloud



SAP Data Warehouse Cloud



SAP IoT Core Integration



SAP Data Custodian for AWS



SAP C4/Service ↔ Amazon Connect

SAP S/4HANA



SAP C/4HANA



SAP Cloud Platform



SAP HANA Enterprise Cloud (HEC)



SAP Qualtrics



SAP HANA Cloud



NS2



SAP Concur



Gigya



RUNS
ON AWS

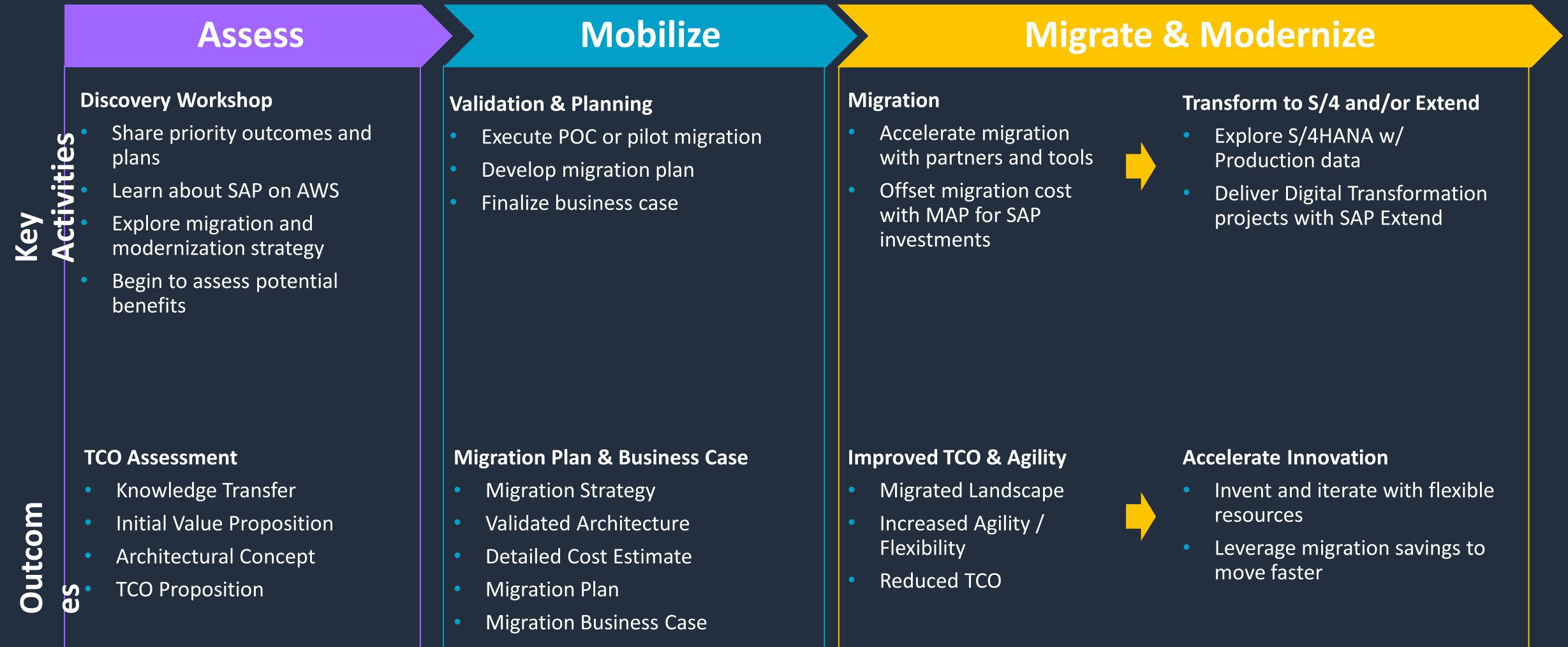
*Exclusively hosted by AWS



SAP on AWS customers – now 5000+



Proven model for SAP Migration and Modernization



Cloud market leadership

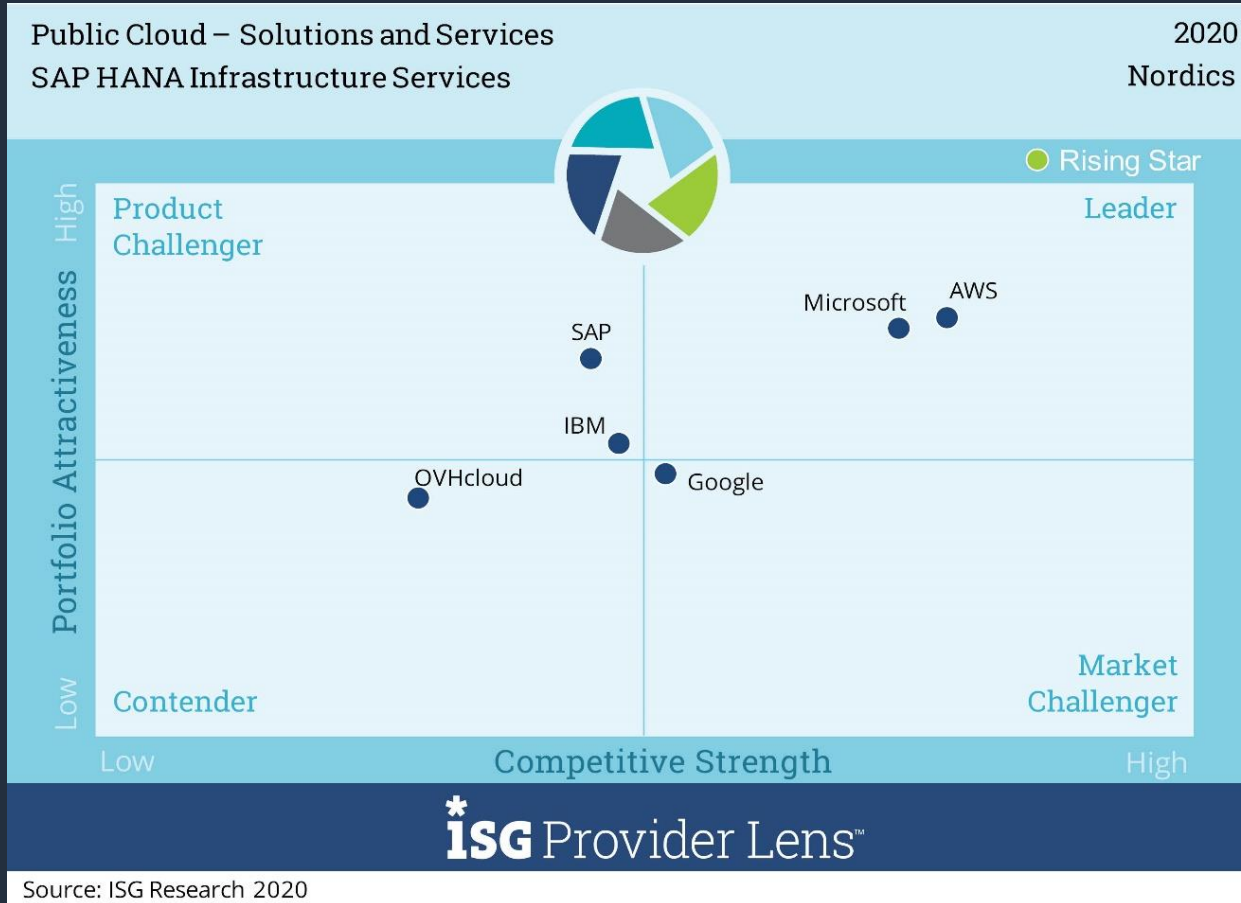
AWS recognized by Gartner
as a cloud leader for the
tenth consecutive year

Figure 1. Magic Quadrant for Cloud Infrastructure and Platform Services



SAP market leadership

Recognized again in 2020 as the leader in the ISG Provider Lens for SAP HANA



NORDICS

AWS Recognized as a Leader in SAP HANA Infrastructure Services

“AWS has transformed its SAP HANA infrastructure services portfolio **with numerous instances and bare metal services**. The firm has onboarded large clients across verticals in the region.”

Source: 2020 ISG Provider Lens™ Quadrant Report for SAP HANA Infrastructure Services. Written by Shashank Rajmane, Pedro Luis Bicudo Maschio, and Manoj Chandra Jha. November 2020. All Rights Reserved.

© 2020, Amazon Web Services, Inc. or its Affiliates.



SAP on AWS Unique Value Proposition



Security

- Only cloud vetted and accepted as secure enough for top-secret workloads
- 90 security standards and compliance certifications

Example
US Navy runs on GovCloud ([Navy](#))

Risk impact



Experience

- AWS and our proven partners have the most experience with SAP
- Benefit from Well Architected Framework and Architecture Guidance

Example
[13 years](#) of un-Matched Pace of Innovation and Relationship with SAP



Reliability

- Vast global footprint with 80 Availability Zones and 25 Regions
- Sync HA/DR capabilities across Availability Zones
- Zero downtime changes for resizing storage volumes

Example
[Most reliable](#) Cloud Provider w less Downtime



Performance & Agility

- Low latency networking as a result of global footprint of AWS regions powering SAP Business Transformation Platform (SAP BTP)
- Agility thru self-service options from AWS, SAP and AWS Partners to build on AWS.



Innovation & Extensibility

- Drive value with SAP Data and extend SAP S/4 with AI/Machine Learning
- Bring IoT/Edge to SAP S/4

Example
Derive business value beyond SAP and Cloud infrastructure ([Fjellsport](#))

Value impact

AWS Global Infrastructure

24 Geographical regions, 1 local region, 77 Availability zones, 200+ POP's – Infrastructure matters.

Region & Number of Availability Zones (AZs)

GovCloud (US)

US-East (3), US-West (3)

US West

Oregon (4)

Northern California (3)

US East

N. Virginia (6), Ohio (3)

Canada

Central (3)

South America

São Paulo (3)

Africa

Cape Town (3)

Europe

Frankfurt (3), Paris (3),

Ireland (3), Stockholm (3),

London (3), Milan (3)

Middle East

Bahrain (3)

Asia Pacific

Singapore (3), Sydney (3),

Tokyo (4), Osaka-Local (1)*

Seoul (3), Mumbai (3),

Hong Kong (3)

China

Beijing (2), Ningxia (3)



Announced Regions

6 Regions and 18 AZs in Indonesia, Japan, India, Australia, Switzerland, and Spain

* Available to select AWS customers who request access. Customers wishing to use the Asia Pacific (Osaka) Local Region should speak with their sales representative.

Downtime Hours by Major Cloud Provider

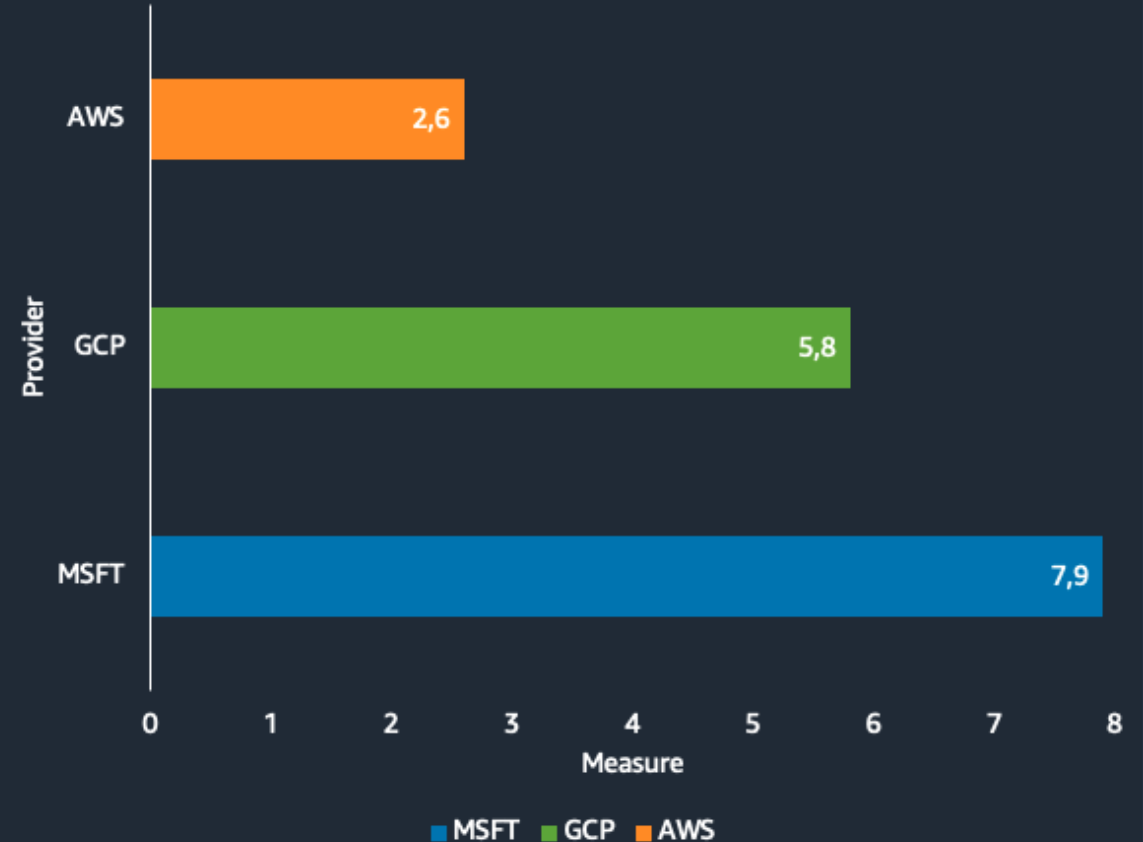
Downtime hours (January 2018-March 2020) as published by the major providers

Detailed Downtime by Provider

Downtime = Downtime Published X Regions Affected X Services Affected X Error Rate



Average Length of Downtime



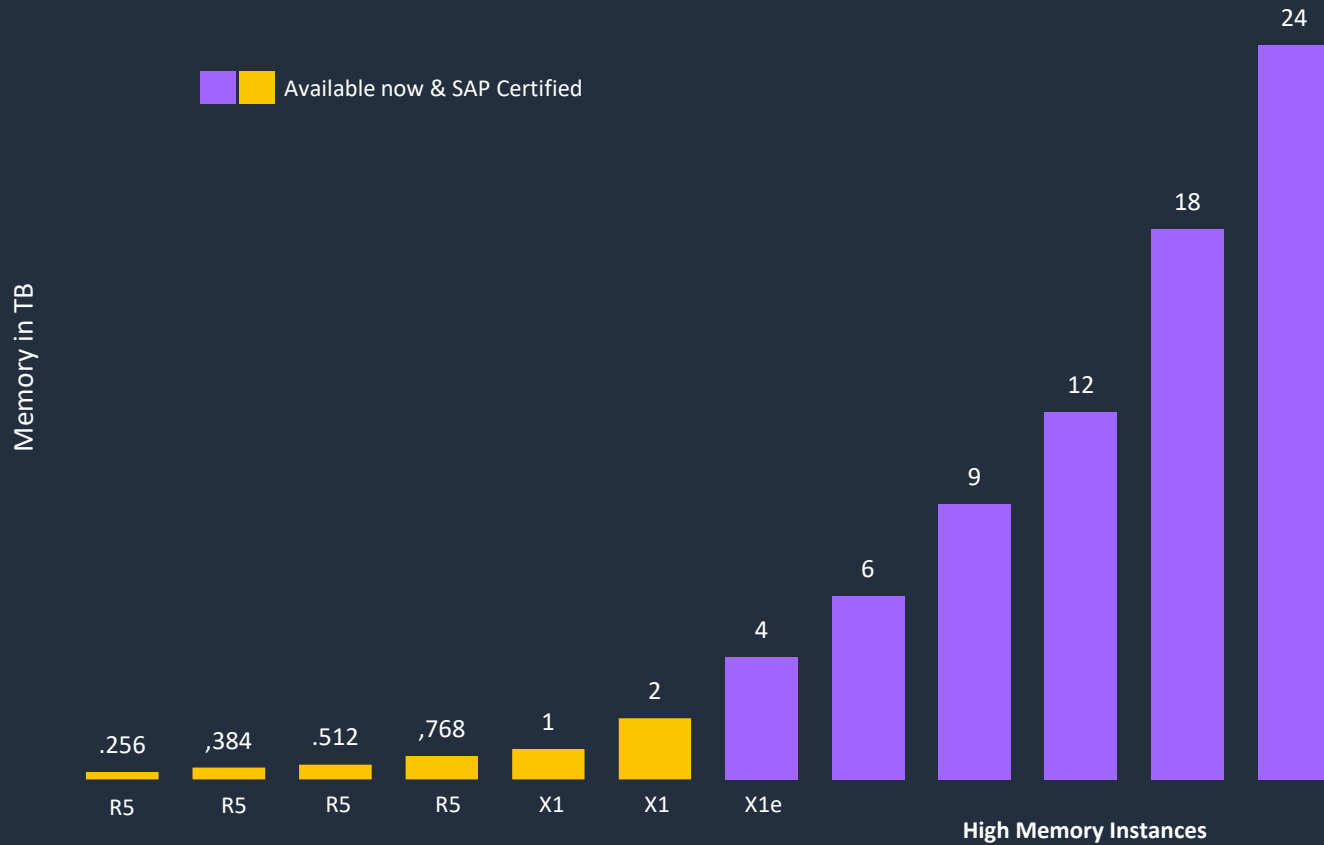
Sources: [AWS](#), MSFT [Azure](#), and [GCP](#)

© 2020, Amazon Web Services, Inc. or its Affiliates.

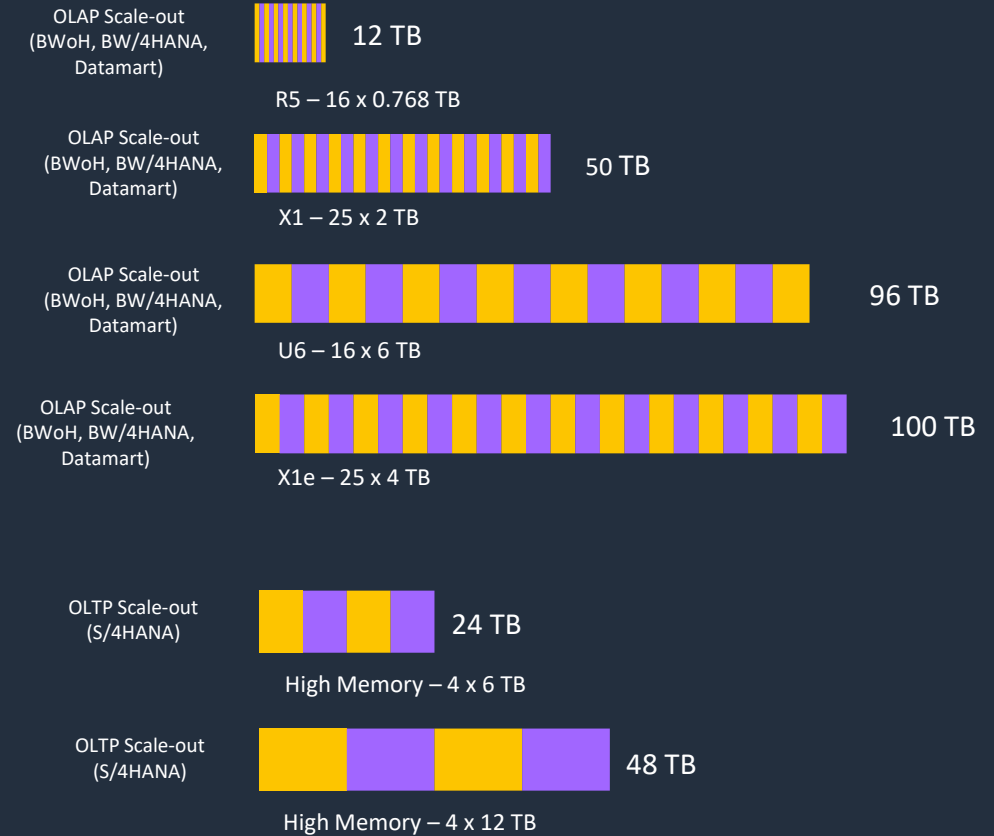


Amazon EC2 Instances for SAP HANA

Only AWS can scale to 24TB Cloud native



Scale-out Options



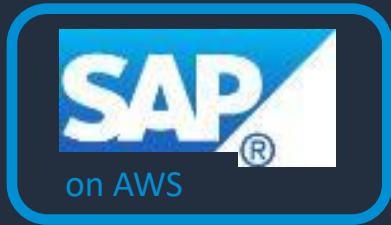
<https://www.sap.com/dmc/exp/2014-09-02-hana-hardware/enEN/iaas.html#categories=Amazon%20Web%20Services%23Yes>

SAP Business Technology Platform (BTP)*

SAP's Platform-as-a-Service
built for integration



ERP:



SaaS:

SAP SuccessFactors 

SAP Fieldglass 

SAP Concur 

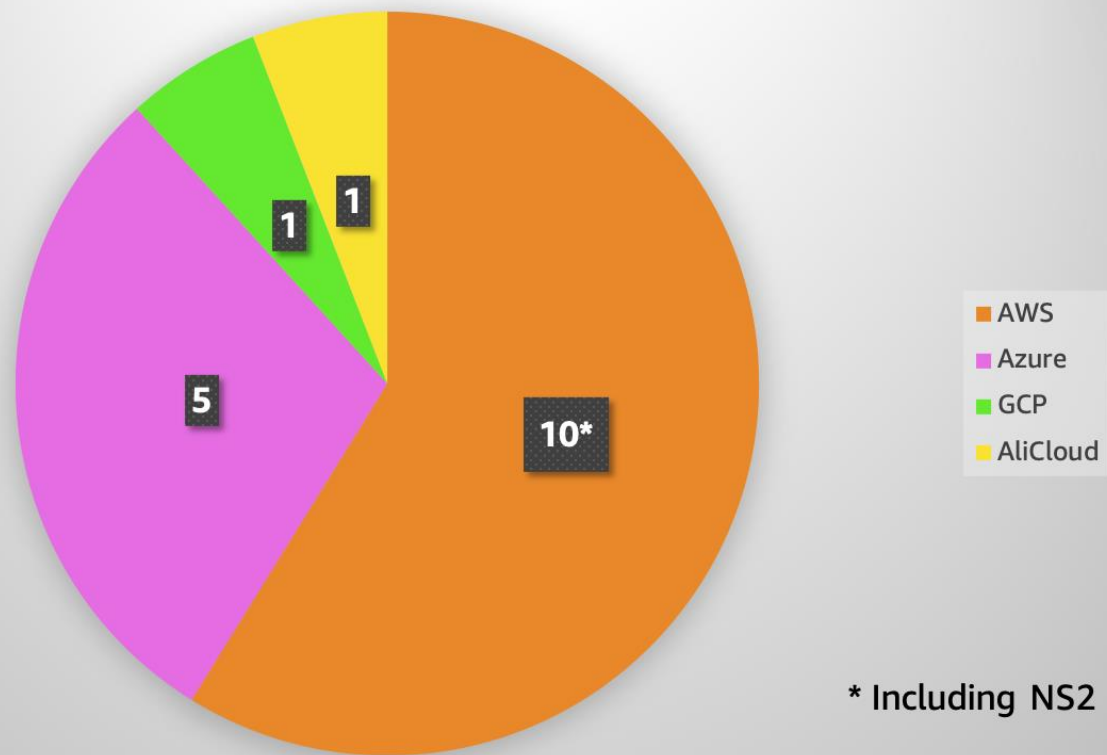
SAP Ariba 

SAP Customer Experience
SAP Qualtrics

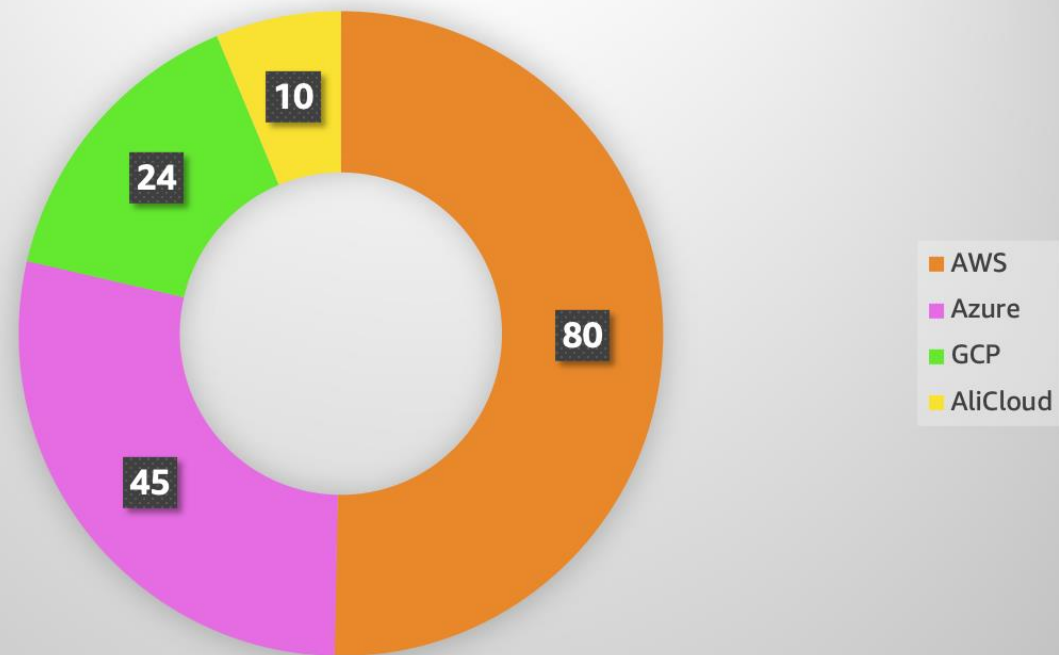


SAP Business Technology Platform (BTP) on AWS

Regions of BTP by provider



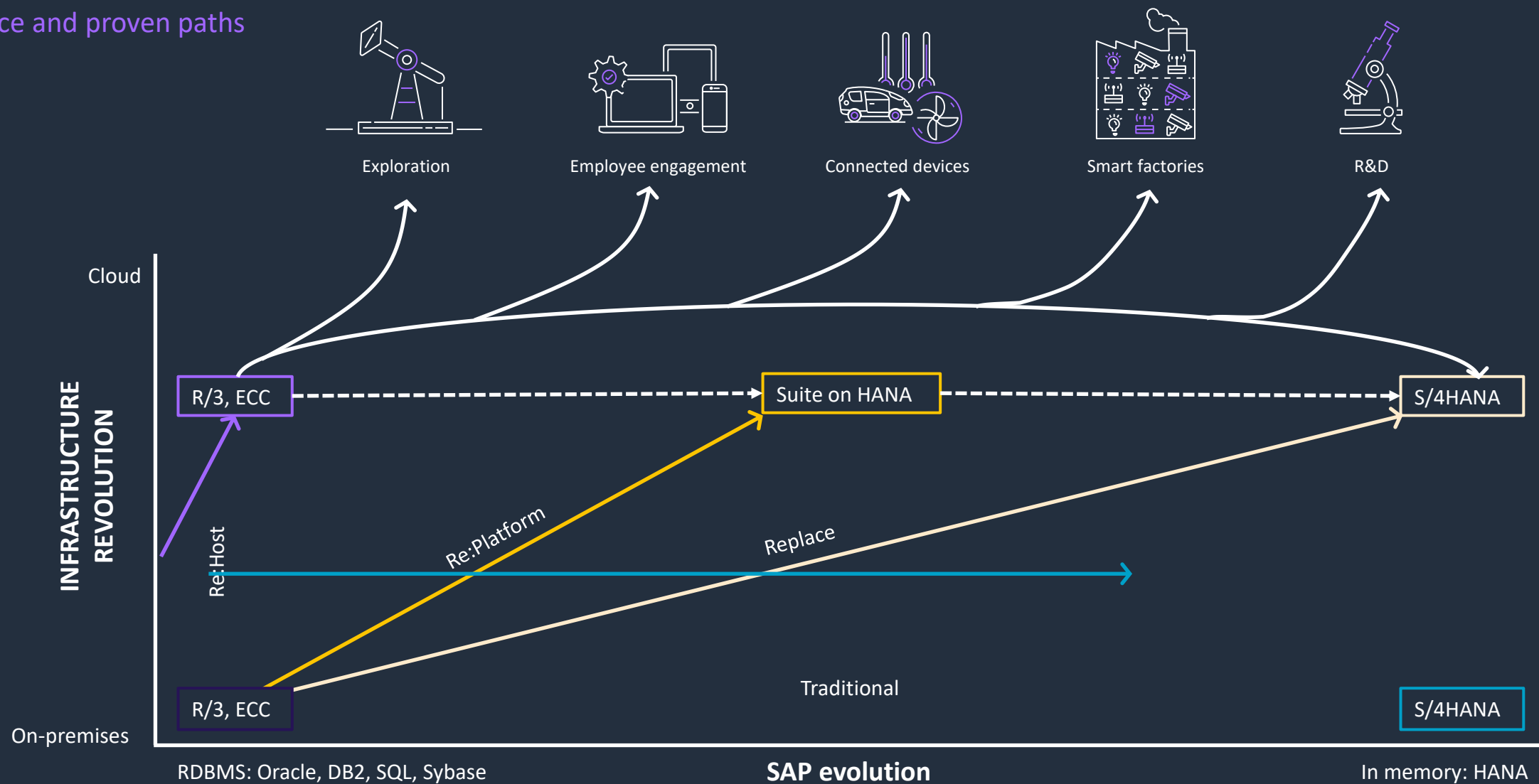
Services on BTP by provider



Accelerating your transformation

SAP on AWS

More choice and proven paths



Summary: Why SAP on AWS?

Reliability

- Run critical SAP workloads on the world's most secure, extensive, and reliable global cloud infrastructure

Choice

- Choose the migration and modernization path that works for you

Experience

- Tap into AWS's 10+ years supporting mission-critical SAP workloads to accelerate your success

Automation

- Automate operations to deliver consistent results and free up resources to focus on innovation

Performance

- Improve SAP application performance with 130+ cloud-native, SAP-certified instance types from 256GB to 24TB

Partner Ecosystem

- Tap into the largest SAP cloud ecosystem for migration, transformation, managed services, and software solutions purpose-built for SAP customers

Innovation

- Reduce barriers to innovation

Cost

- Reduce TCO and Accelerate ROI

Analytics

- Get more value from your enterprise data

Security

- Get more value from your enterprise data

Pearl Group



הפסגות

RIGA



OSLO



STOCKHOLM



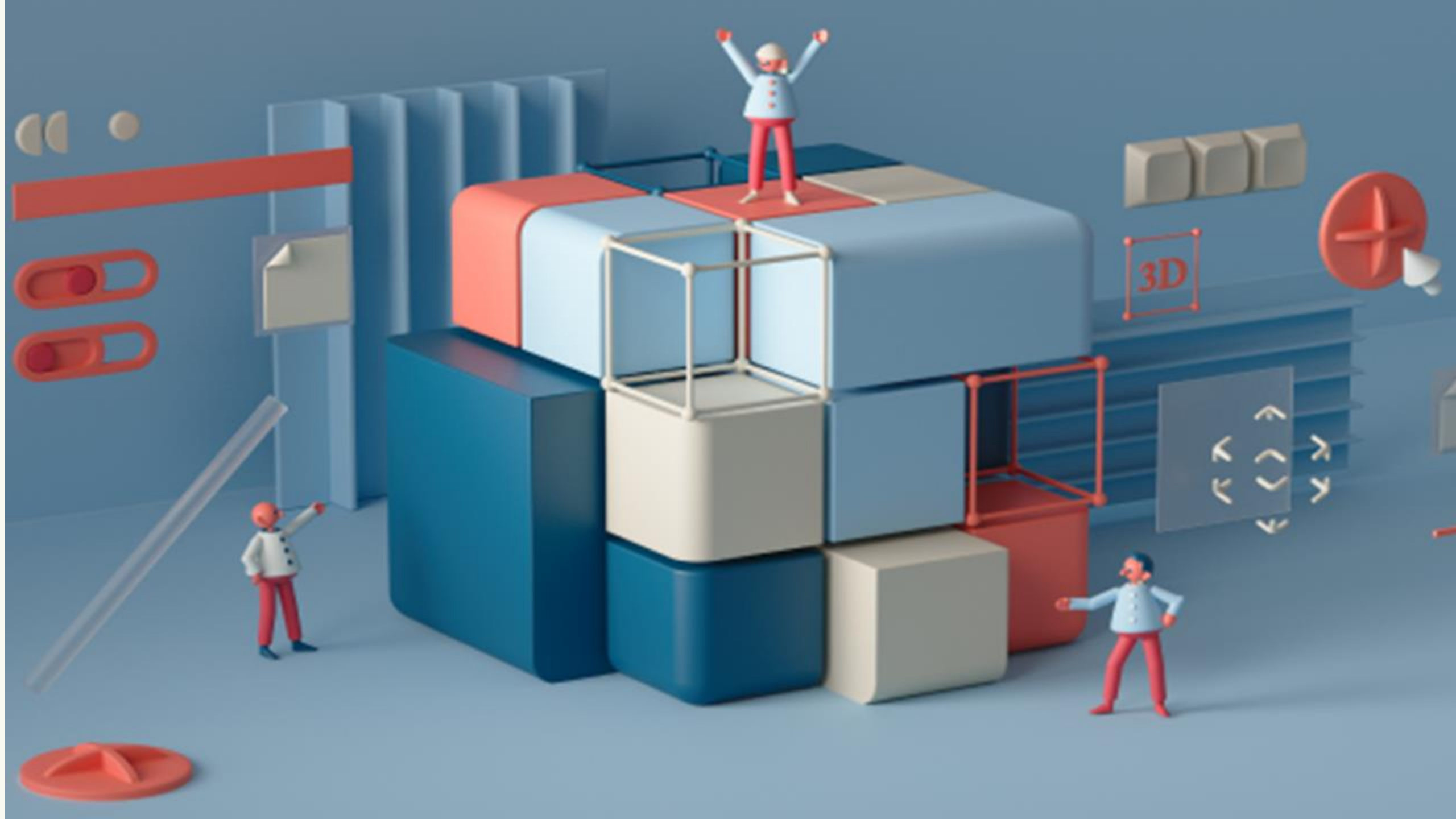
SINGAPORE



KIEV



הפסגות



Pearl & AWS

pearl



 Fjellsport.no



 [Mine ønskelister](#)  [Logg inn](#)



KAMPANJER ▾



Outdoor för de små äventyrarna - just nu kanonpriser på barnkläder och -skor! [Handla här](#)

Fri hemleverans vid köp över 995 kr! Läs mer om våra leveransvillkor och andra frågor i vår FAQ ›

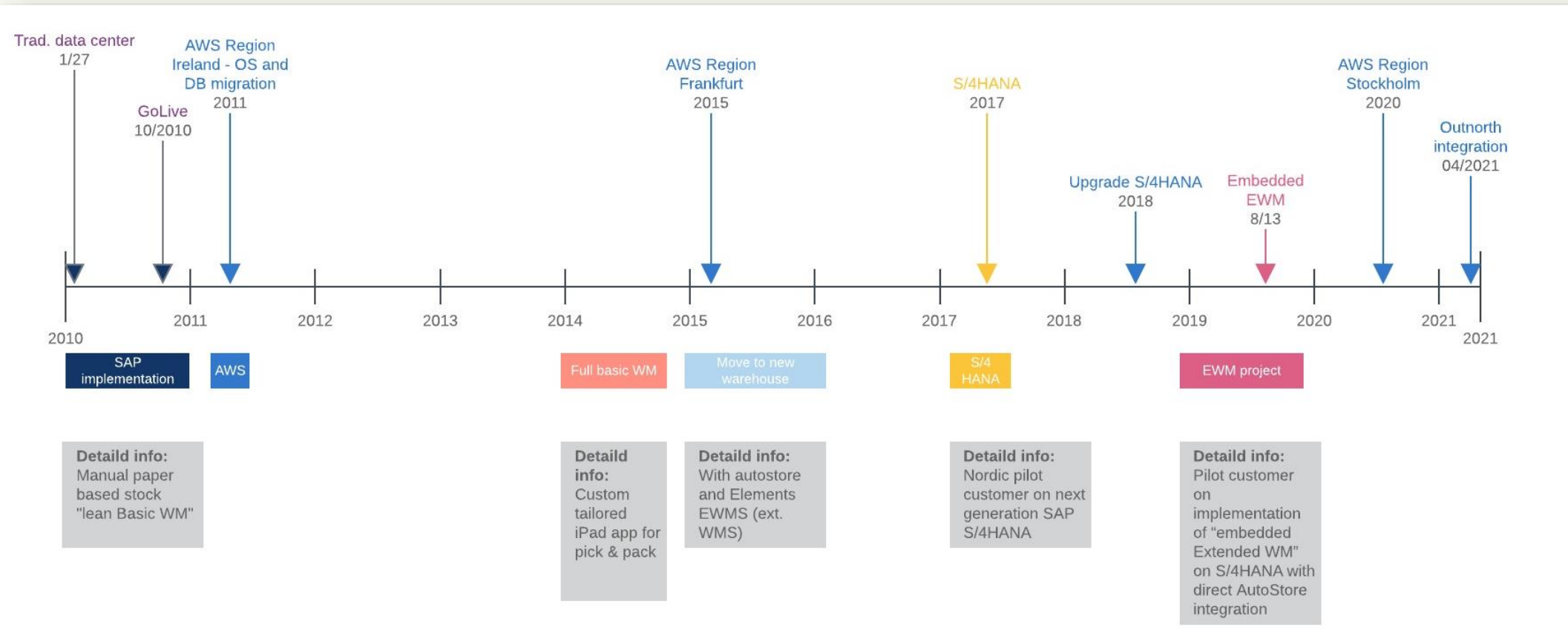
500 kr att handla för vid köp av valfri GORE-TEX-jacka!*

*Samtliga Outnorths kampanjkoder får endast användas vid ett tillfälle och kan ej kombineras med andra koder och erbjudanden. Värdebeviset skickas i ett separat mail när din order har betalats eller skickats från vårt lager. Giltigt t.o.m. 2020.11.02. Värdebeviset gäller i 3 månader efter mottaget mail.

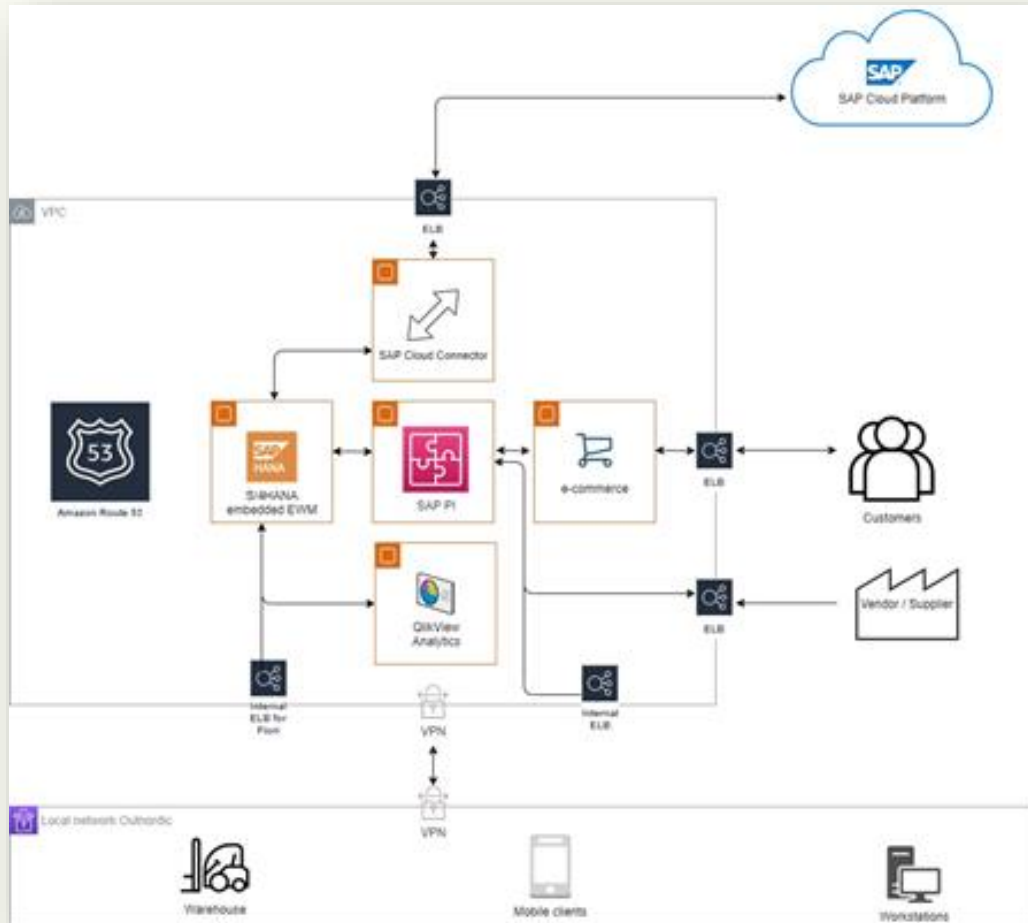


Passa på!

Fjellsport timeline



AWS System Landscape



- S3: High performance scalable storage
- Cloudfront – CDN (caching)
- Application Load Balancer – load balancer, scalable, reverse proxy, SSL, certificates
- RDS instance: Database as a service
- Route 53: Global scalable DNS

Why migrate to AWS?



Why now ?

- End of normal support for ECC in 2027
- Innovation only in S/4 Hana
- Planning for the future
- Increasing amount of technical debt
- AWS certified for SAP for many years
- Run your S/4HANA migration in AWS.

Gartner recommends a transition to S/4HANA by **2021**. Between 2021-2023, a *tsunami* of customers is expected to switch to S/4HANA

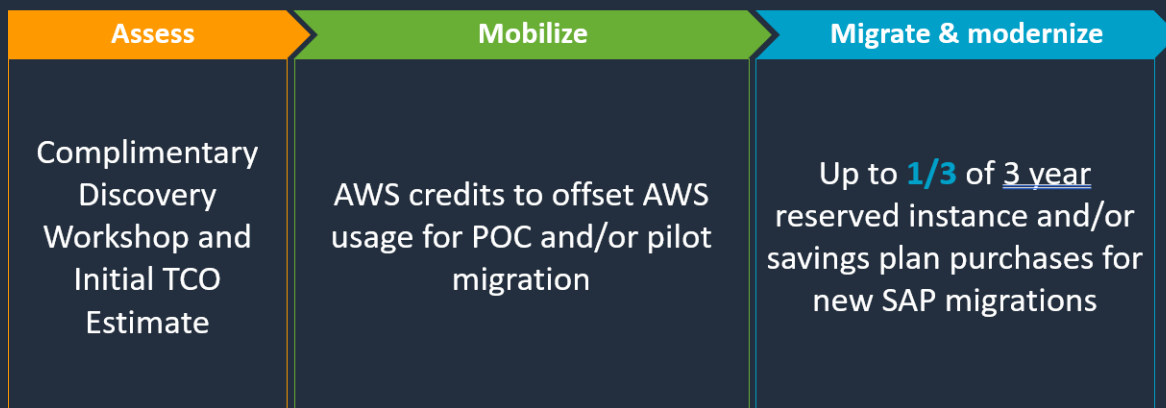
Why AWS, SAP and Pearl?

- Partnership AWS and SAP
- Pearl – SAP Partner Center of Expertise
- Pearl – AWS Advanced Consulting Partner
- Pearl - AWS MAP for SAP
- Project timeline – Decrease timeline
- Cost saving – be in control
- Innovation
- Flexibility - Move fast – Right sizing – scale at need
- Security
- Performance

AWS MAP for SAP



MAP for SAP Customer Investments by Migration Phase



© 2020, Amazon Web Services, Inc. or its Affiliates. All rights reserved. Amazon Confidential and Trademark.



«Migrating to AWS
is a low risk task»

Why start with POC?



- Reduce Risk
- Decrease freeze during project period
- Knowledge about the transition
- Better planning
- Identify improvements potential

AWS specific support for SAP



AWS specific support for SAP

2008 – SAP Deveopment team on AWS

2011 – SAP Production supported on AWS

2015 – Large HANA specific instances

AWS tools directly connected to SAP

Continue to develop AWS

Some tools and services

Migration services

AWS SAP HANA Quick Start

AWS Launch Wizard for SAP

Application Load Balancer

Certificate Manager

RDS

Route 53

EFS, S3, EBS and more

AWS support

Choose application

Options

Choose the application to configure for deployment.

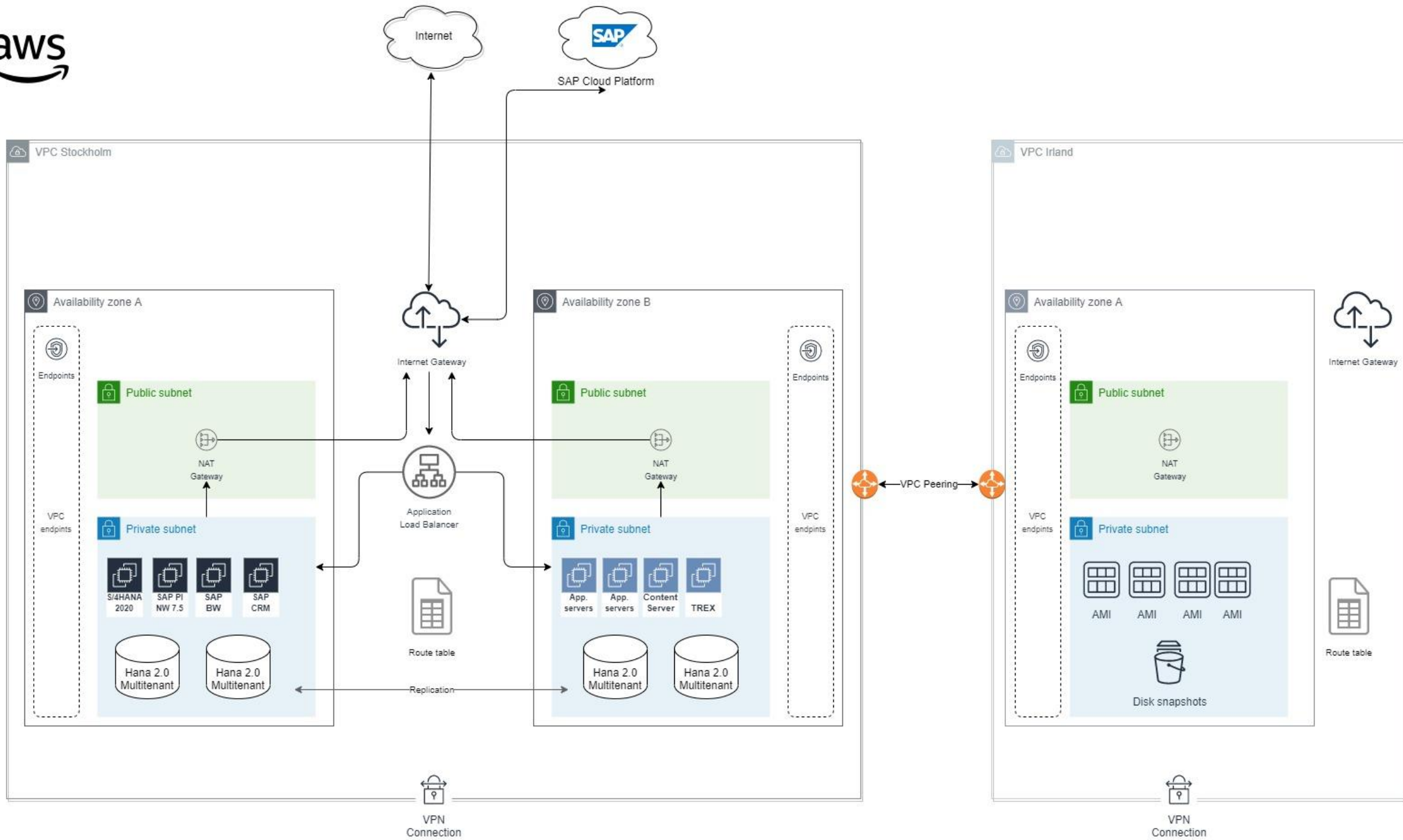
☐ Microsoft SQL Server


☒ SAP


☐ Active Directory


AWS provides a suite of services to deploy, operate, and extend SAP applications. Launch Wizard for SAP will launch and configure AWS services required to run SAP systems on AWS. Launch Wizard for SAP supports single, distributed, and high availability deployments according to AWS and SAP best practices.

CancelView deploymentsCreate deployment



Lessons learned

- Establish infrastructure as early as possible
- Naming convention in AWS
- Minimize the number of service providers
- POC – don't skip problem solving
- Detailed cut over plan
- Identify downtime and business requirements
- Get control over the timeline
- Choose the correct roadmap and tools
- Cost saving routines

Thank you for you time

Names

Stig Skaugvoll – AWS
Tom Berget – Pearl Group
Terje S Bjerkseth – Fjellsport/Outnorth
Harald Vedvik – Pearl Group

Phone number

+31 629 522 890
+47 932 87 712
+47 997 33 333
+47 938 58 544

E-mail

skastig@amazon.nl
tom.berget@pearlgroup.no
terjesb@fjellsport.no
harald.vedvik@pearlgroup.no