# SAP Journey to Open Hybrid Cloud with Red Hat and AWS

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Las Vegas

2024

**SAP**insider

#### **Agenda**

# SAP journey to cloud via 3 example scenarios:

- Scenario 1: on-premise
- Scenario 2: hybrid = on-premise + laaS + PaaS
- Scenario 3: SaaS (Rise)



#### AWS and Red Hat Partnership Helps Customers Meet Digital Needs

Red Hat and AWS are industry leaders with extensive experience in IT infrastructure, hybrid cloud, digital transformation, and open source innovation.

Through **collaborative engineering** activities, they offer integrated, certified solutions to meet modern, digital business needs.

Consistent,
enterprise-grade
platforms with
advanced security and
management features
help organizations build
IT infrastructure that
supports their business
efficiently and costeffectively and adapts
on their schedule.

Red Hat and AWS by the numbers

Partners since

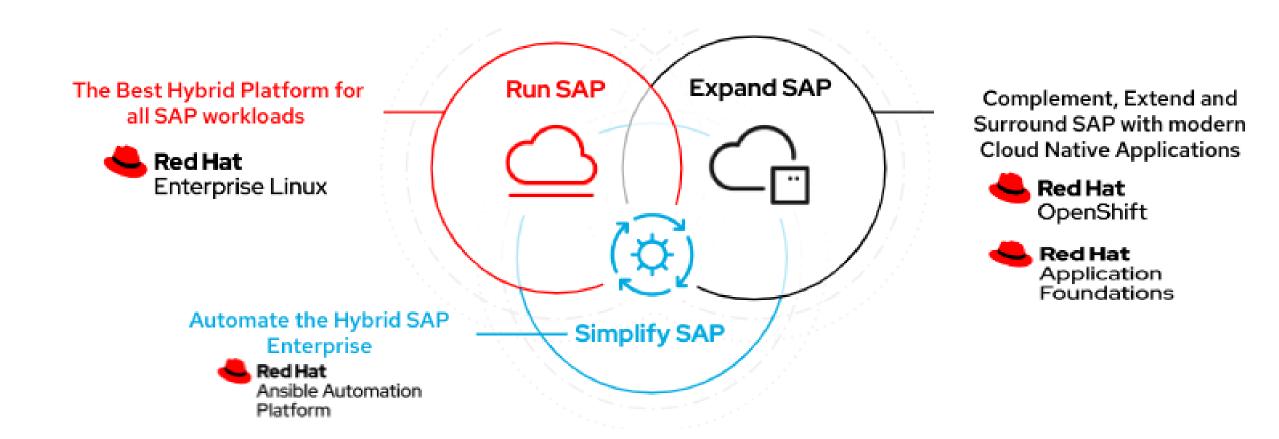
>60,000

of AWS customers consume Red Hat products and solutions

"Given that Red Hat is the world's leading provider of open-source solutions, our enterprise customers have been passionate about seamlessly running Red Hat Enterprise Linux and various other Red Hat solutions on AWS."

Andy Jassy | CEO, Amazon

#### Three Solution Areas to Support SAP workloads



#### Scenario 1 Example: On-Premise







#### Cloud

#### On-premise

SAP Integration Soln e.g. Pl



#### SAP applications + solns

SAP Business Suite

SAP HANA Express Edition

Data Intelligence SAP Commerce

#### Other Apps

Third
Party,
Custom

Al/ML
Ops

Legacy

Containers

(depends on app)







#### Red Hat Enterprise Linux (RHEL) for SAP



High availability failover orchestration



Up to 4 years of minor release updates<sup>3</sup>



SAP-specific packages and content



Predictive risk analytics and guidance

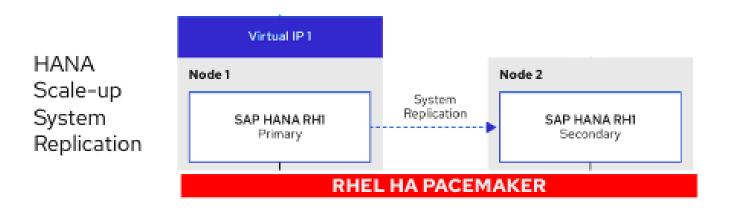


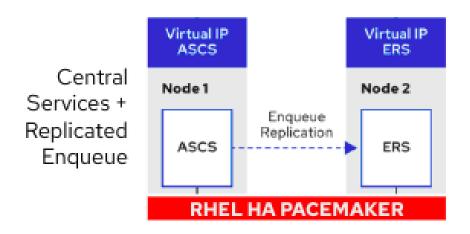
Infrastructure management tools

Latest RHEL versions supported for SAP HANA: 8.4, 8.6, 8.8, 9.0, 9.2

Purchase directly from AWS or from Red Hat

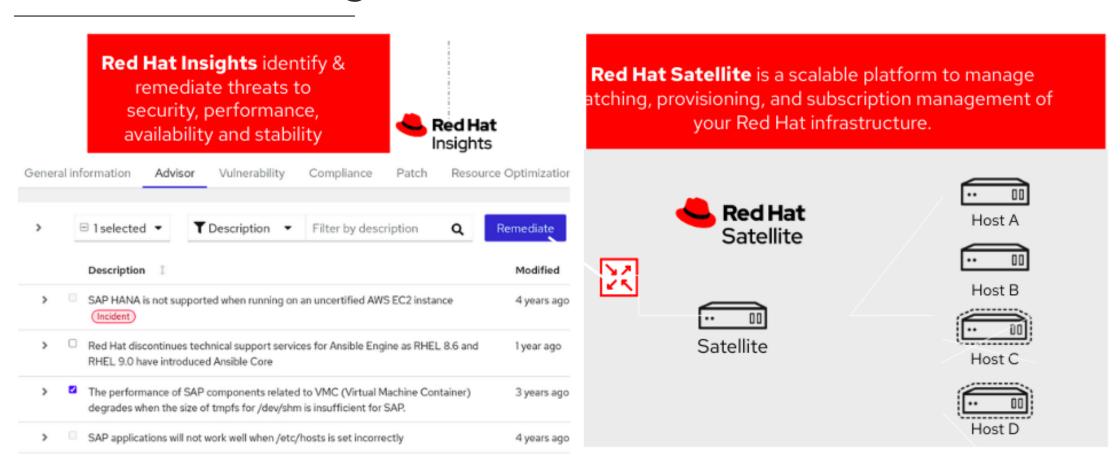
#### Some RHEL High Availability Scenarios for SAP





Other scenarios supported: multi-target; multi-tier; HANA scale-out; etc . See product docs

#### **Proactive Monitoring & Remediation of RHEL for SAP**



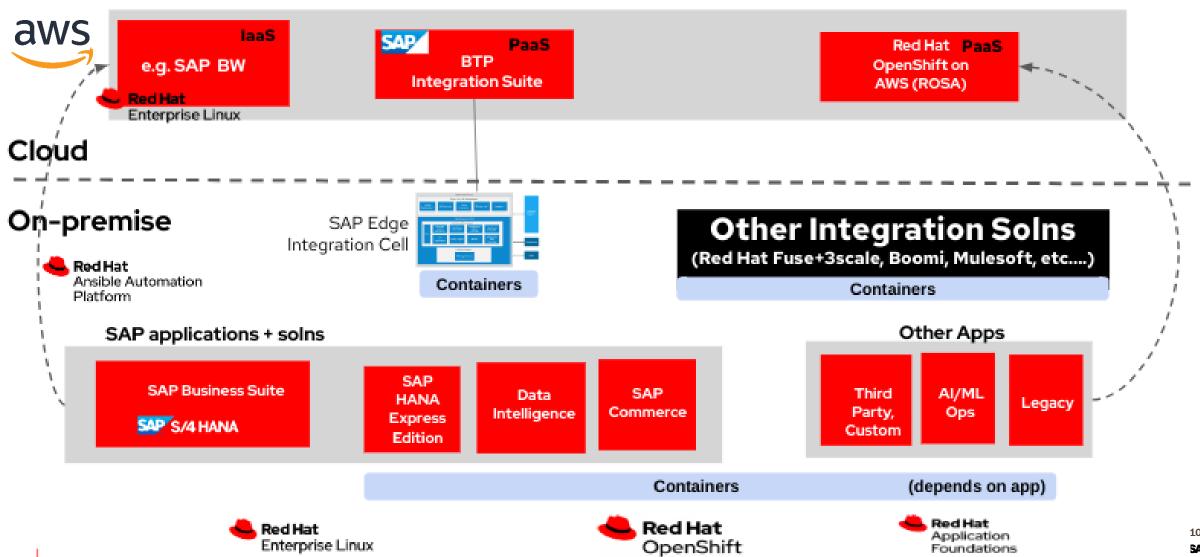
**>600 Rules** including many specific to SAP system configuration requirements and best practices, you can identify vulnerabilities before they impact critical operations.

#### Accelerate IT automation with Red Hat Ansible Automation Platform

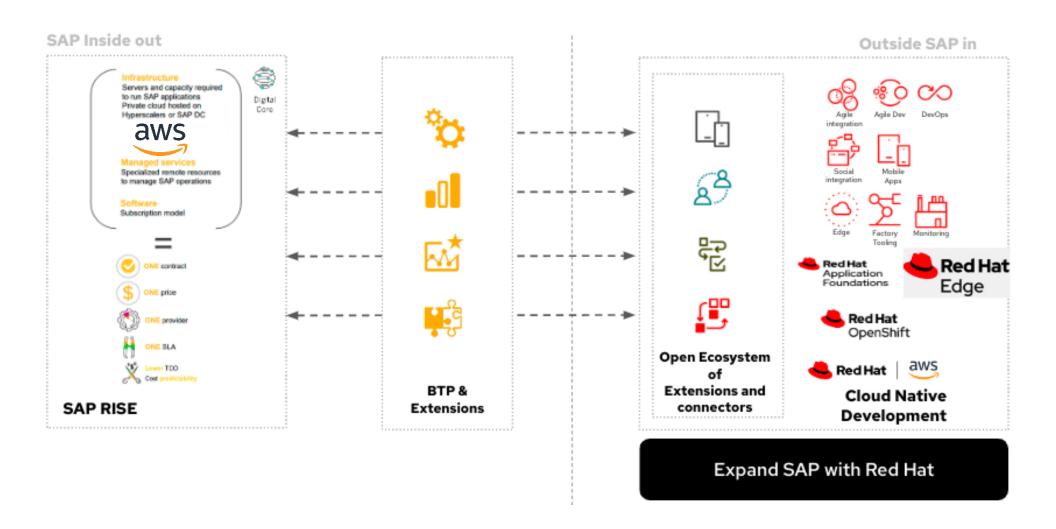


140+ <u>Certified Collections</u> from Technology Partners Including SAP & AWS Supported pre-built automation code: Playbooks/Roles (YAML syntax)

#### Scenario 2 Example Hybrid: On-Premise + IaaS + PaaS



#### **Scenario 3 Example SaaS**



#### Thousands of SAP customers trust AWS



#### The benefits of running on AWS

Reliability

58%

less unplanned downtime for S/4HANA on AWS vs. on-premises<sup>1</sup> **Performance** 

35%

better price performance for SAP's analytic workloads with Graviton-based processors<sup>2</sup>

**Cost Savings** 

503%

3-year ROI moving from legacy ERP to S/4HANA on AWS<sup>1</sup>

**Security** 

45%

reduction in security incidents for enterprise applications vs on-premises<sup>3</sup> **Sustainability** 

88%

lower carbon footprint vs on-premises data centers<sup>4</sup>

Certainty

**6**x

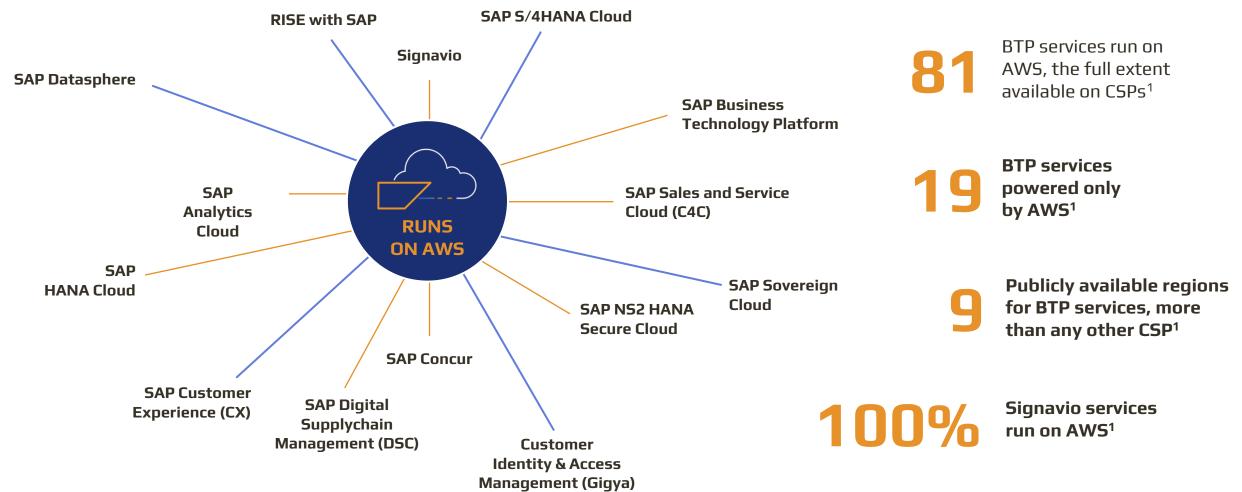
ISG SAP HANA Infrastructure Services Provider Lens Leader

<sup>1.</sup> The Business Value of SAP S/4HANA on Amazon Web Services, IDC, 2023 https://aws.amazon.com/sustainability/resources/

<sup>3.</sup> The Business Value of Migration to Amazon Web Services, The Hackett Group, 2022

#### SAP has trusted AWS for over 15 years

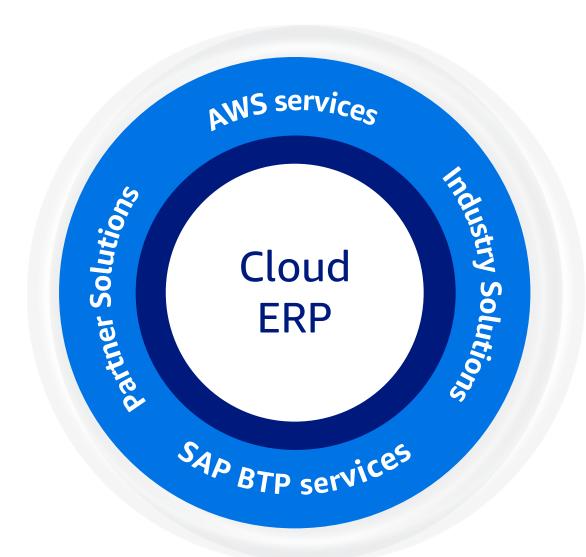
#### AWS HAS THE LONGEST TRACK RECORD PARTNERING WITH SAP IN THE CLOUD



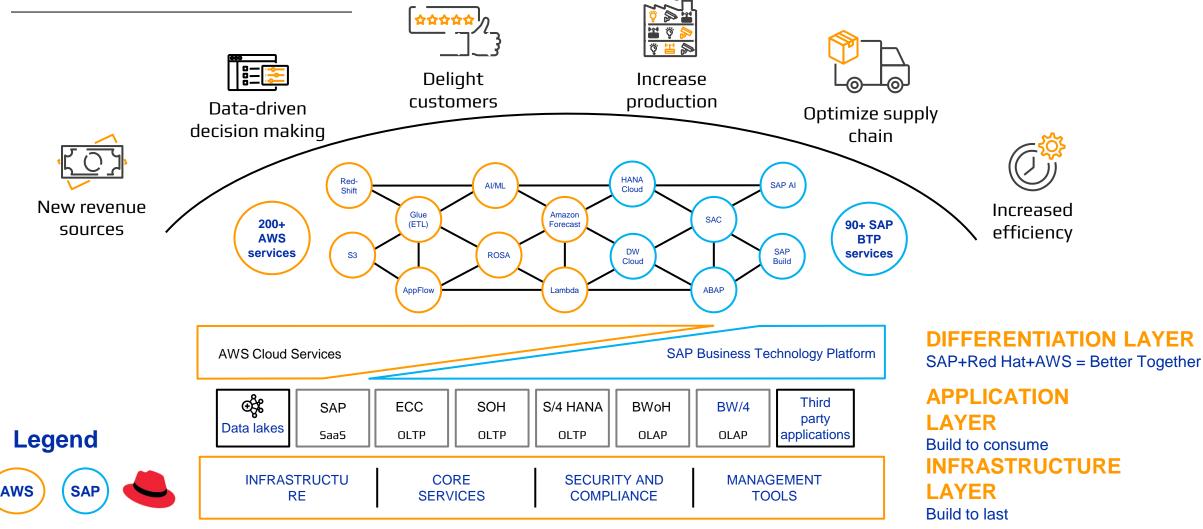
#### **Proven architecture**

# Innovate faster with a clean core

Future-proof your business



#### Clean Core + SAP BTP + Red Hat + AWS = Vast Innovation Options



#### Reimagine your business processes with AWS and SAP BTP

81

SAP BTP services run on AWS, more than any CSP<sup>1</sup>

200+

AWS services in analytics, IoT, AI/ML, and more

# **Document** processing

with Amazon Textract and SAP BTP Adobe Form Print

# **Custom app** development

with SAP Build Apps running on AWS

#### **Forecasting**

with Amazon SageMaker and SAP Datasphere

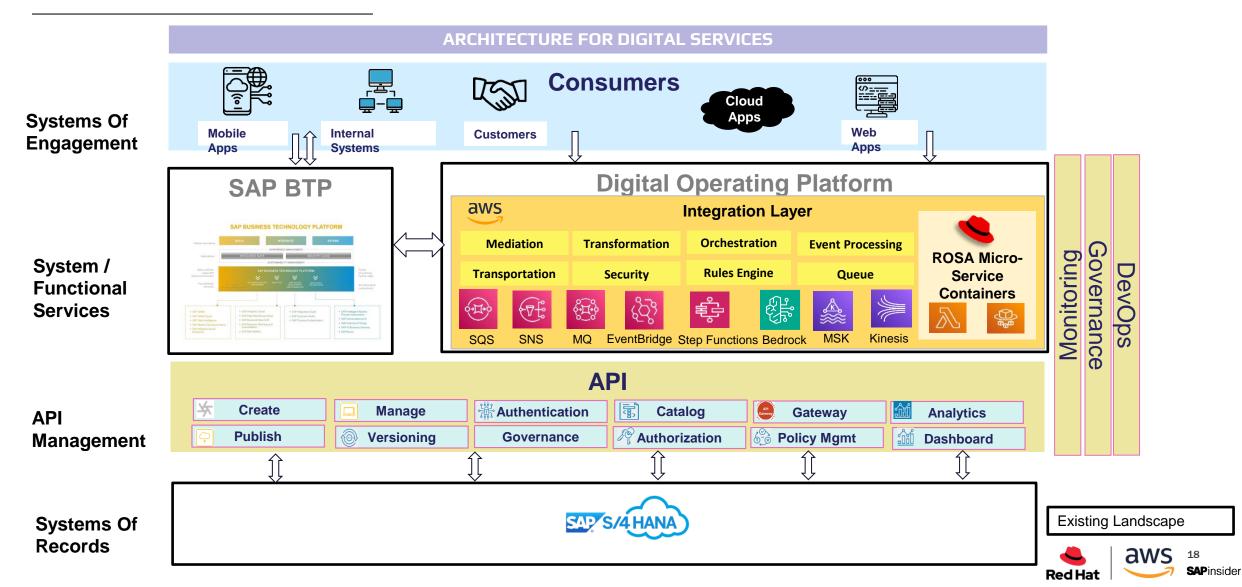
## **Quality** management

with Amazon Lookout for Vision and SAP Quality Management

### **Predictive** maintenance

with Amazon Monitron and SAP BTP

#### Reference Architecture for Digital Services



#### The AWS innovation advantage

Accessible services from your familiar SAP environment

200+

AWS services accessible via AWS SDK for SAP ABAP

**Enterprise-grade** generative Al

>10K

Amazon Bedrock Customers<sup>1</sup> **Broadest set of cloud services** 

60%

more services than any CSP

Unlocking insights with data and analytics

>700K

data lakes run on AWS Ready-to-deploy solutions

1400+

vetted solutions in AWS Solutions Library

**Unparalleled support** for SAP BTP services

81

SAP BTP services run on AWS<sup>2</sup>

1. As of October 2023

#### Thank you! Any Questions?

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