



 FIVE-MINUTE WHITEPAPER

The top 10 reasons to run SAP on AWS

Migrating SAP workloads to the cloud and choosing a cloud provider are two of the most strategic decisions today's IT leaders can make. This five-minute whitepaper explores why thousands of customers have chosen to run their SAP landscapes and transform their businesses on AWS.

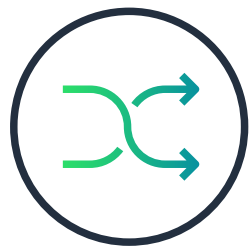
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Choice

AWS offers customers choice and flexibility with the broadest selection of tools and technical capabilities available to run SAP workloads



Re-platform your existing SAP systems to improve reliability and security, reduce costs, and simplify operations.



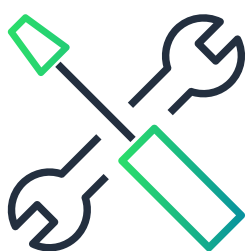
Transform your business processes by combining SAP applications with AWS services.



Migrate existing databases to [SAP HANA](#) on AWS to eliminate technical debt, improve performance, and simplify the move to SAP S/4HANA.



Accelerate your move to SAP S/4HANA natively or through the [RISE with SAP](#) on AWS offering.



Maintain flexibility to resize your environment as needs change. Benefit from a consistent, cloud-native experience across all instances and services.

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Cost

Reduce SAP total cost of ownership (TCO) today and into the future with the last infrastructure upgrade you will ever have to make



Run demanding workloads on the [AWS Nitro System](#) and achieve better price performance.



Capitalize on continuous improvements to the [AWS Global Infrastructure](#) to avoid **hardware refresh costs**.



Offset migration costs through service credits and partner support via the [AWS Migration Acceleration Program](#) (AWS MAP) for SAP.



Reduced prices 129 times since AWS launched in 2006 as a benefit to customers.

Reduce your infrastructure costs by up to **47 percent** when you run mission-critical workloads like SAP on AWS.¹

Access cost-efficiencies—**85 percent** of respondents reported moderate or significant cost savings running SAP on AWS.²

Achieve a faster ROI—customers who migrated SAP ECC to AWS saw a **three-year ROI of 103 percent** and a net present value (NPV) of \$4.3 million.³

¹ According to a commissioned 2022 study conducted by The Hackett Group on behalf of AWS. [Read the whitepaper](#)

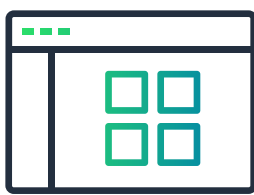
² According to a commissioned 2020 study conducted by IDC on behalf of AWS. [Read the whitepaper](#)

³ According to a commissioned 2021 study conducted by Forrester Consulting on behalf of AWS. [Read the report](#)

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Innovation

Modernize your business processes and reimagine your customer experience with a broad set of cloud services from AWS



Access 200+ services, including offerings for Internet of Things (IoT), data lakes, artificial intelligence (AI), machine learning (ML), image recognition, chatbots, and more.



Empower ABAP developers to innovate with native AWS services using the [AWS software development kit](#) (AWS SDK) for SAP ABAP.



Over 90 percent of new features and services are built based directly on customer feedback.



Use tools designed from the best practices of Amazon's global operations, including [AWS Supply Chain](#), [Amazon Forecast](#), and [Amazon Connect](#).

"We have increased the value of our SAP systems by integrating SAP with AWS technologies because we can steer the business in near real-time."

Yuriy Volosenko

Director for Enterprise Applications & Architectures, Zalando

on Zalando using 36+ AWS services with SAP S/4HANA to improve its customer experience

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Infrastructure

Benefit from the unmatched reliability and flexibility of the AWS Global Infrastructure

Protect your organization from disruption to mission-critical business processes with nearly unlimited scalability and increased IT agility and performance, all at a lower cost. Take advantage of the AWS Global Infrastructure to transform your organization and enable better business outcomes.

30+ Regions **99** Availability Zones and counting

AWS recently announced **15 more Availability Zones and five more AWS Regions in Australia, Canada, Israel, New Zealand, and Thailand.**

AWS has been a leader in the Gartner Magic Quadrant for Cloud Infrastructure & Platform Services⁴ **for 12 years in a row.**



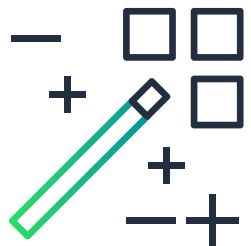
⁴ [View Gartner Report](#)

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Automation

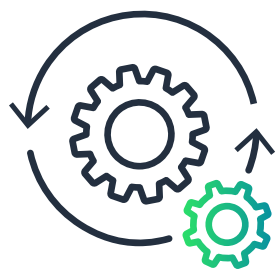
Automate deployment and operations to deliver consistent results and free up resources



Deploy production-ready SAP landscapes in hours with [AWS Launch Wizard](#).



Simplify and accelerate HANA backups to [Amazon Simple Storage Service](#) (Amazon S3) with [AWS Backup](#).



Automate the management and operations of your SAP applications using [AWS Systems Manager](#) for SAP.



Maintain full-stack observability with [Amazon CloudWatch](#) Application Insights for SAP HANA and SAP NetWeaver.

“With AWS Launch Wizard, everything is automated. That means I no longer need to install and configure everything on my own when it comes to a new SAP environment. If you are an SAP Basis professional, AWS Launch Wizard is incredibly easy to use.”

Guillaume Yvon

Enterprise Architect, Storengy

on Storengy using AWS Launch Wizard to automate SAP S/4HANA deployment

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Performance

Improve SAP application performance with the largest selection of cloud-native, SAP-certified instances from 256 GB to 24 TB

48 TB

Scale out to 48 TB for SAP S/4HANA and 100 TB for SAP BW/4HANA.

10%–30%

more SAPS per dollar with the AWS Nitro System.⁵

350k IOPS

Run up to 350k IOPS in a single [Amazon Elastic Compute Cloud](#) (Amazon EC2) instance with consistency.

“Our performance of SAP on AWS is off the scale. We reduced our monthly billing cycle from four days to one day and have significantly reduced our overall annual IT costs.”

Carlos Galiano

CIO, Seaco

on Seaco using cloud-based solutions on AWS to replace its traditional on-premises data center facilities

⁵ Documented in [SAP Note 1656099](#)

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Security

Strengthen your security posture with comprehensive, industry-leading security and compliance controls



Benefit from **more than 2,500** security controls available in the [AWS Management Console](#).



Leverage the **only** cloud with vetted and accepted security levels for top-secret workloads, with more than 40 services authorized at the Department of Defense (DoD) Impact Level 6 (IL6).



Access encryption for all customer data stored in AWS services.



AWS operates two SAP NS2 Regions for customers in government and regulated industries.

“As an aerospace and defense firm, security is absolutely essential. That’s why we chose AWS GovCloud. We then built the foundational and security blueprints on top of it all.”

Jeff Wright

Cloud Services Senior Manager,
Lockheed Martin

on Lockheed Martin moving its SAP Suite on HANA system to AWS

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Analytics

Uncover deeper insights from your SAP data to improve operational efficiency and innovate faster



Run bidirectional data flows between SAP applications and AWS services using the [Amazon AppFlow](#) connector for OData and SAP.



Join more than 200k customers who run data lakes on AWS.



Drive new insights with the broadest and deepest portfolio of purpose-built analytics and AI and ML services.



89 percent of the world's deep learning (DL) runs on AWS—join more than 100k customers who use AWS to accelerate their ML journey.

“We’re now able to analyze automated visual inspection data and use artificial intelligence to identify opportunities to produce even higher-yield fibers. It wouldn’t be remotely possible to do this if all our data was still siloed at each plant site.”

Elizabeth Gonzalez

Analytics Leader, Koch Industries/INVISTA

on Koch Industries/INVISTA using SAP ECC with AWS analytics services

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Partner community

Gain the experience, tooling, methods, and best practices of the strongest SAP cloud partner community to streamline your migration and digital transformation

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AWS Partners have been vetted to demonstrate SAP customer success through the [AWS SAP Competency Partners](#) program.

91%

of new SAP on AWS customers are also working with AWS Partners.

12k+

software listings from more than 1.6k vendors on [AWS Marketplace](#).

“Working remotely was new to all of us. Yet we managed to build a platform of 130-plus virtual machines and migrate 15 SAP applications and around 35 terabytes of data in just 10 weeks without disruption to the organization. It shows how flexible Capgemini and AWS were around the project and committed from the start to delivering a successful outcome. We established a high level of trust.”

Darren Miles

CIO, Centrica

on Centrica working with AWS SAP Partner Capgemini to migrate S/4HANA to AWS

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Experience

Safeguard your migration and transformation success by running on the cloud SAP has trusted since 2008 and thousands of active SAP customers trust today

AWS is the first cloud provider to:

- ✓ Support SAP as a customer
- ✓ Certify infrastructure for SAP
- ✓ Provide purpose-built infrastructure for SAP
- ✓ Host a SAP software-as-a-service (SaaS) product
- ✓ Automate SAP cloud deployment
- ✓ Build dedicated partner and professional services programs for SAP

AWS has supported SAP customer migration and digital transformation as a trusted partner since 2008. SAP chooses AWS to run Concur, RISE with SAP, SAP Business Technology Platform, Qualtrics, and more.

AWS is the trusted partner for thousands of SAP customers—over half of which have deployed SAP HANA or HANA-based solutions on AWS.



ISG named AWS a leader in SAP HANA Infrastructure Services five years in a row.⁶

⁶ [View ISG report](#)

Start your enterprise modernization journey with AWS for SAP

AWS is the proven cloud to innovate with any SAP workload. With AWS for SAP, you can:

- **Migrate and modernize any SAP system** with proven migration methodologies, purpose-built services, and expert support based on 14+ years of SAP customer success
- **Innovate faster and transform your business** by extending your SAP systems to 200+ AWS services, including tools designed from the best practices of Amazon's global operations
- **Deliver new business insights** to drive real-time visibility and better decision making with the broadest set of storage, analytics, and ML services available anywhere

Join thousands of customers realizing the value of AWS—like up to 47 percent lower infrastructure costs, a 69 percent reduction in downtime, and 43 percent faster time to market for new features—for their SAP workloads.

[Learn more about AWS for SAP ›](#)