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Proudly EOH

Optimize Your SAP Environment by Migrating to AWS

EBOOK ⟶

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CONTENTS

Transforming the Heart of the Enterprise

The notion of digitalizing business processes and customer experiences has become a matter of "when", rather than "if". Nearly every large organization has begun leveraging cloud services as part of a digital transformation, whether that is to reduce their IT costs, build innovative new applications, or better support their global workforces without the major undertaking of deploying new data center facilities.

While each organization approaches their cloud adoption journey differently, mission-critical applications are often among the last a given organization moves into the cloud. But make no mistake: migrating mission-critical line-of-business workloads to the cloud should be a key component of any enterprise's transformation aspirations.

SAP workloads certainly fall into that category of mission-critical line of business workloads. They are deeply intertwined with organizational processes, and any downtime or performance hits are massively disruptive to the business. It could be argued that in no

place is the business impact of a strategic technology decision felt more directly than with SAP.

For this reason, CIOs, VPs of Infrastructure, and other IT leaders tasked with SAP modernizations are under enormous pressure. They need to find a solution that reduces costs, increases agility, and above all, delivers transformational business value. With so much riding on their platform choice, migration, and long-term SAP technology strategy, it is understandable that enterprises have taken their time with this decision.

However, the customers who have been bold enough to tackle this problem head on and transform their SAP landscapes on AWS are turning SAP into a differentiated competitive advantage. In this eBook, we will look at why more organizations run their SAP applications on AWS than any other cloud, and how specific customers are using AWS for their SAP transformations.

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Why do more customers run their SAP workloads on AWS than any other cloud provider?

Unmatched Experience and Industry Leadership

Given the criticality of SAP workloads, customers are understandably conservative as they make SAP infrastructure decisions, wanting to select a proven solution that minimizes risk. You can confidently select AWS as your SAP platform, knowing that AWS has unmatched experience executing successful SAP cloud transformations. AWS has been running SAP workloads since 2008, significantly longer than any other cloud provider.

Over 5,000 active customers trust AWS to run SAP, half of which are also running SAP HANA. In step with the broader Amazon brand, AWS always works back from customer needs when developing new products—meaning this unparalleled experience leads to a platform that's always evolving to better support the requirements of real SAP customers such as you.

SAP themselves rely on AWS to build systems of differentiation. Today, SAP exclusively runs SAP HANA Cloud, SAP Data Warehouse Cloud, and SAP Analytics Cloud on AWS. Additionally, it runs a majority of the SAP Cloud Platform regions, as well as SAP Concur, QualtricsXM, and NS2 - which serves some of the largest SAP HANA environments to customers across government and regulated industries - on AWS.

Regardless of your applications, databases, industry, size, regulatory requirements, or other unique needs, chances are AWS has worked with SAP customers with many of the same requirements as you. More broadly, customers across virtually every industry and of every size, including start-ups, enterprises, and public sector organizations, are running every imaginable use case on AWS.

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Customer Choice and Flexibility

AWS provides the most choice and proven approaches to SAP on cloud success, with support and experience for every migration and modernization approach.

Whether you're looking to lift and shift ECC, migrate to S/4HANA, or innovate and transform with AWS services, AWS can help you get more value out of your SAP investments.

Our consistent, cloud-native architecture across all instances and services gives you the most flexibility to design for your unique business requirements and seamlessly adapt as they change.

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Proven partners and tooling to modernize at your own pace

No matter what SAP system you run or strategy you'd like to adopt, AWS and APN Partners have the experience, tooling, methods, and best practices to streamline your migration or transformation. AWS is the only cloud provider with a dedicated SAP partner competency. Before receiving this competency, partners must pass business, technical, and specialized trainings, prove their knowledge of the AWS Well-Architected Framework, and demonstrate previous SAP on AWS customer success.

Companies typically go through 3 key stages as they migrate and modernize SAP on AWS: Assess, Mobilize, and Migrate & Modernize. AWS offers the SAP Migration Acceleration Program to work with you across these three stages.

ACCESS

During this stage customers participate in an AWS SAP Discovery Workshop to learn about AWS SAP services, architecture, and migration options and collaborate with SAP specialists who have experience migrating and modernizing SAP solutions on AWS. This enables customers to explore architecture and migration strategies for their estate and complete an initial estimate of the costs for operating their current or target SAP solutions on AWS.

MIGRATE & MODERNIZE

During this stage, customers move their existing SAP workloads to the cloud and/or transform to new SAP solutions on AWS. Then, they innovate by extending and complementing their SAP solutions beyond infrastructure with AWS services or partner solutions.

Whether you want to lift and shift your existing SAP architecture to AWS, or completely transform by adopting S/4HANA on AWS, AWS will provide the resources needed to help you adopt the strategy that works best for your business.

MOBILIZE

During this stage, customers complete the validation required to gain hands on experience with AWS and validate their SAP migration and modernization strategy, build their migration plan which defines the schedule and resources required for migration, and finalize the business case for migration.

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Proven Cost Savings

AWS customers consistently report that running SAP on AWS reduces their total cost of ownership. In addition, AWS regularly reduces the costs of our services - 106 times since 2006.

With AWS, you can eliminate the need to keep spare capacity provisioned, and simply spin it up on-demand as needed. For example, customers can provision additional capacity for peak periods like financial close or holiday shopping seasons, then de-provision it when requirements go back down.

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Broadest set of cloud services to innovate, modernize, and transform your business

AWS provides significantly more services and features than any other cloud provider. With over 200 AWS services including analytics, IoT, AI/ML, and more, you can drive innovation and maximize the value of your SAP investments.

AWS provides the broadest and deepest portfolio of purpose-built analytics services optimized for unique use cases. Increasingly, AWS customers are combining the data from their SAP systems with other enterprise data sources to drive deeper insights.

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Most Reliable and Extensive Cloud Infrastructure

Protect SAP workloads from disruption to by taking advantage of the unmatched reliability and flexibility of the AWS Global Infrastructure. In addition, the continuous improvements to the AWS Global Infrastructure are available to you without making new capital investments.

To support your SAP workload, AWS has the broadest selection of SAP- certified instances - 150+ for SAP Netweaver and 40+ for SAP HANA - and the largest global footprint with 80 Availability Zones across 25 geographic regions, with plans to launch even more.

Comprehensive, Industry-Leading Security and Compliance

With AWS, you benefit from the world's most secure cloud infrastructure and data centers, with a network architected to protect your information, identities, applications, and devices. Running SAP on AWS improves your ability to meet core security and compliance requirements, such as data locality, protection, and confidentiality with our comprehensive services and features.

AWS supports more than 90 security standards and compliance certifications, and is the only cloud-vetted and accepted network secure enough for top-secret workloads, including more than 40 services authorized at the Department of Defense (DoD) Impact Level 6 for the AWS Secret Region for production workloads.

Each of the 117 AWS services that store customer data offers the ability to encrypt that data, keeping your data secure wherever you need it.

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Why choose iOCO and AWS for your SAP workloads?

From lift and shift migrations to broader SAP modernization, AWS is the most proven cloud to run your SAP applications. When you leverage iOCO to migrate your SAP workloads to AWS, you're taking advantage of a purpose-built infrastructure for SAP workloads, ensuring you get the performance your end users expect, with the security your critical SAP data requires. Post-migration iOCO and AWS offer a breadth of services to help you modernize your SAP applications and take advantage of new technologies, such as AI/ML, to maintain competitive advantage.

Migrating SAP Workloads to AWS with iOCO

SAP S/4HANA and AWS

How it works:

SAP and AWS have a longstanding partnership ensuring that customers have access to the best possible infrastructure for their SAP applications. Since 2008, the two companies have collaborated to create purpose-built environments that have been designed for SAP's large, memory-intensive workloads. This not only improves performance, but also offers greater cost effectiveness. For example, a commissioned 2021 study conducted by Forrester Consulting on behalf of AWS found that customers who bring ECC to AWS experience a 103% ROI after three years.

Benefits of migrating SAP workloads to AWS with iOCO

Partnering with iOCO in this migration offers customers unique benefits. Migration is not simply the movement of a workload from one place to another. It is an intricate process from which hangs migration is data, potential development or application modernisation, opportunities for automation, and the need to test that that application behaves as expected in the exciting world of Hyperscale.

Complex System Integration

The primary outlook is to simplify service organizations by overcoming the complexity of SAP Integration and facilitating a scalable delivery model. System integration eliminates the need for data storage and management. It provides a centralized system based on a scalable and secure architecture.

Performance Insights Availability

The ever-increasing volume of data makes it increasingly difficult to keep a close eye on the overall performance of the business. The central data store will be accessible to an integrated dashboard. It will allow you to view relevant data as needed, improving the meaning of your analytical or performance reports.

Automation

DevOps for SAP – Driving Innovation and Lowering Costs. DevOps is the combination of cultural philosophies, practices, and tools that increase an organization's ability to deliver applications and services at high velocity.

Case study: Safal Group

Challenge:
The decision to move Safal Steel's mission-critical SAP ecosystem to the cloud required substantial adjustments to its operations. With plants and offices across eight countries, the manufacturer needed a standardised implementation across all of its locations, done in such a way that there was minimal downtime. In addition, Safal Group required infrastructure that would enable the move from ECC to SAP S/4HANA as well as a way to control costs.

Solution:
Choosing iOCO to provide the technical capabilities, Safal Group made the decision to move its SAP ecosystem to the AWS cloud in order to improve efficiencies. An AWS Advanced Consulting Partner, iOCO has the expertise, skills and experience Safal Group needed to gain the full benefits of the migration.

Benefits:
• Creates scalability (both up and down)
• Eases management loads
• Offers a broad range of services to ensure maximum value

Summary

Protect SAP workloads from disruption to by taking advantage of the unmatched reliability and flexibility of the AWS Global Infrastructure. In addition, the continuous improvements to the AWS Global Infrastructure are available to you without making new capital investments. To support your SAP workload, AWS has the broadest selection of SAP- certified instances - 150+ for SAP Netweaver and 40+ for SAP HANA - and the largest global footprint with 80 Availability Zones across 25 geographic regions, with plans to launch even more.

Regardless of whether you're ready to completely transform your SAP landscape on S/4HANA on AWS, or simply want to lift and shift your existing SAP landscape to AWS to take advantage of the highly cost-effective and agile AWS Global Infrastructure, AWS and APN SAP Competency Partners are ready to help you start your journey.

Unmatched experience and industry leadership

Safeguard your migration and transformation success by running on the same cloud SAP has trusted since 2008 and that supports 5,000+ active SAP customers today.

Customer choice and flexibility

AWS provides the most choice and proven approaches to SAP on cloud success, without long-term lock in.

Proven cost savings

Inherit continuous improvements without new hardware investments.

Broadest set of cloud services to innovate, modernize, and transform your business

Drive new innovation and business value by combining your SAP investments with 200+ AWS services including analytics, IoT, AI/ML, and more.

Most reliable and extensive cloud infrastructure

Protect yourself from disruption to mission-critical business processes by taking advantage of the unmatched reliability and flexibility of the AWS Global Infrastructure.

Comprehensive, industry-leading security and compliance

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

How to get started

For more information about transforming your SAP landscape on AWS, visit:

- Learn about SAP on AWS

- Find an AWS Partner with SAP Competency for your SAP Transformation

- See Frequently Asked Questions for SAP on AWS

- Read more SAP on AWS customer case studies

About iOCO

iOCO is an integrated technology solutions company and the trading brand for EOH's core ICT businesses. Our purpose is to Solve exponentially, courageously, together. As a proudly South African business, we are committed to sustainable transformation, making a positive, meaningful contribution to society.

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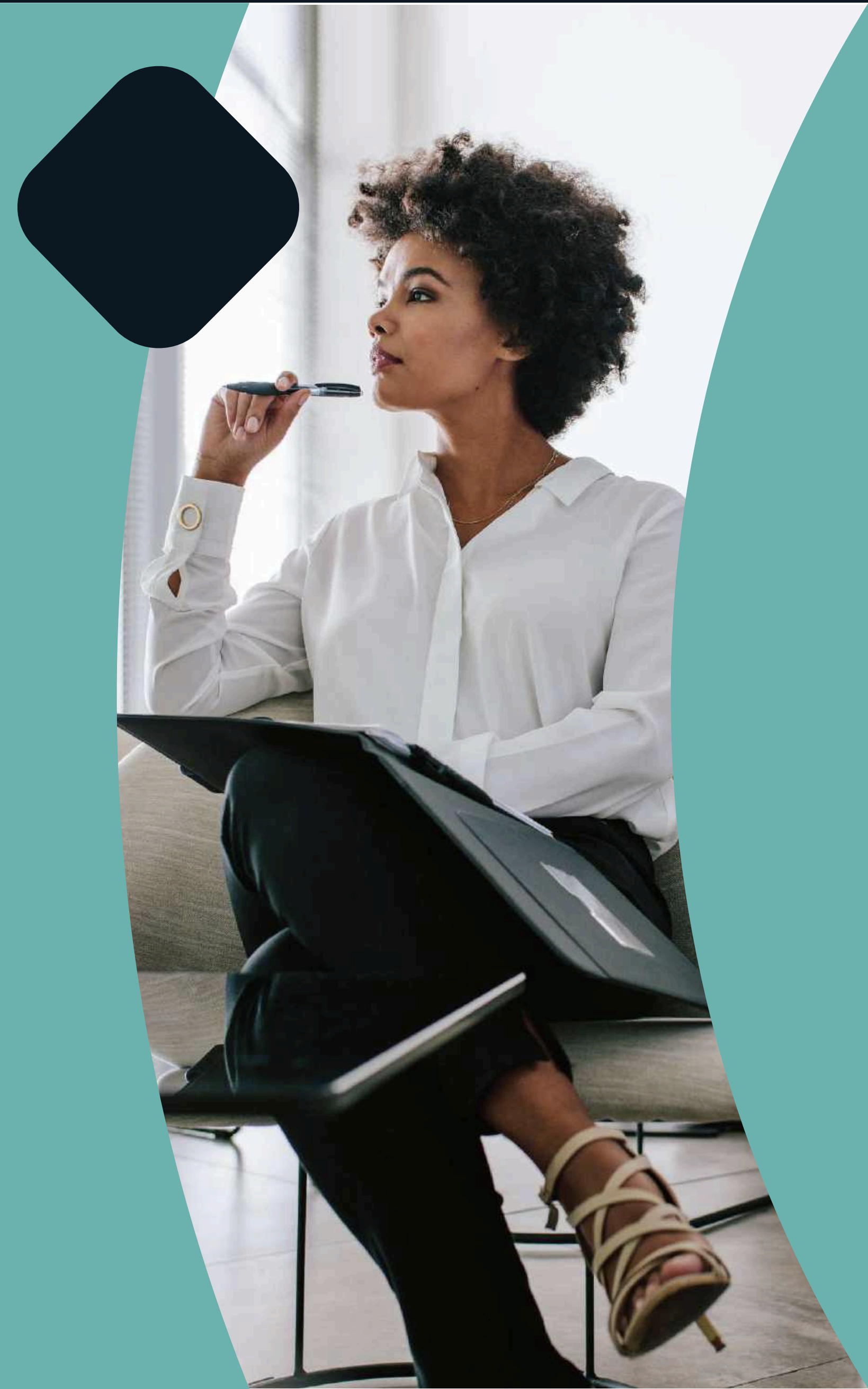
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