



5 Reasons Enterprise Organizations are Migrating Oracle ERP Applications to AWS

Transform your Oracle ERP applications by migrating and modernizing with AWS



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INTRODUCTION

The future of Oracle ERP applications is in the cloud

Your Oracle enterprise resource planning (ERP) applications are critical to keeping your organization competitive and keeping your end customers happy. This means that maintaining the health and resilience of your ERP is paramount to preventing downtime, keeping productivity high, increasing visibility and scalability, and driving innovation.

If you are still using an on-premises solution for your Oracle ERP applications, you are likely:

- Paying too much for your current licensing estate
- Overallocating compute/storage resources due to peak usage planning
- Maintaining the additional overhead of preserving the application infrastructure
- Accountable for maintaining high levels of security, agility, and predictability for data
- Needing a disaster recovery system that keeps your mission-critical systems running
- Or any combination (or all) of these

These reasons—coupled with the benefits of cloud technology advancements like artificial intelligence (AI), machine learning (ML), advanced analytics, and the flexibility and scalability of the cloud—demonstrate a clear case for migrating your Oracle ERP applications to Amazon Web Services (AWS). From higher TCO and vendor-lock-in, to limited scalability and maintaining and upgrading capital intensive on-prem data centers, you are not getting as much from your technology investments as you could. Additionally, on-premises disaster recovery can be unreliable and can interrupt your mission-critical services. The rigidity of your on-premises solution may be hurting your organization more than you think. By migrating Oracle ERP applications (like JD Edwards, PeopleSoft, E-Business Suite) and other business applications to the cloud, you can transform your Oracle ERP applications to a cost-optimized, modern, agile, scalable, and secure platform that can help you drive innovation.

Since technology is not going to stop evolving, it is time to think about how the cloud can help you meet your business needs.

TRENDS AND DRIVERS

Why migrate your Oracle ERP applications to the cloud?

Organizations everywhere are looking for ways to reduce overhead, drive innovation, and become more agile. Increasingly the answer to all these needs is migrating to the cloud. With more than half of all ERP systems expected to be in the cloud by 2025, the time to migrate to optimize the use of resources is now.¹

Migrating to the cloud is not just the latest trend in business; it is a significant factor that helps boost the timely use of data for decision making, drive supply chain agility, and automate and simplify business processes. In fact, organizations that migrate systems to AWS achieve concrete business outcomes, with ERP application owners increasingly wanting to take advantage of the cloud to build out a cloud-enabled and data driven enterprises.

For more than 10 years, Oracle ERP applications like E-Business Suite, PeopleSoft, and JD Edwards have been easily migrating to the AWS Cloud. Once migrated, Oracle users can leverage any of the 15+ purpose-built database offerings optimized to support diverse data models.

By migrating to the AWS Cloud, Oracle users can take advantage of unlimited potential of for savings, increased business agility, faster innovation, and an improved disaster recovery profile.

31%

average infrastructure cost savings²

43%

fewer security incidents per year⁴

62%

IT staff productivity boost²

3x

more features delivered per year²

37%

decrease in time to market³

1. [Gartner Says More Than Half of Enterprise IT Spending in Key Market Segments Will Shift to the Cloud by 2025](#)
2. [IDC's Fostering Business and Organization Transformation to Generate Business Value with Amazon Web Services](#), February 2018
3. [IDC's The Business Value of Amazon Web Services](#), June 2022
4. [Nucleus Research Guidebook Understanding the Value of Migrating From On-Premises to AWS for Application Security and Performance](#), June 2020

Why AWS for Oracle ERP applications

AWS has migrated Oracle ERP applications for hundreds of enterprise customers across the globe. As a leader in digital transformation, AWS has the tools and solutions to support you no matter where you are in your digital transformation journey. By moving your existing applications to the AWS Cloud, you gain flexibility and security, helping you meet customer needs as they evolve.

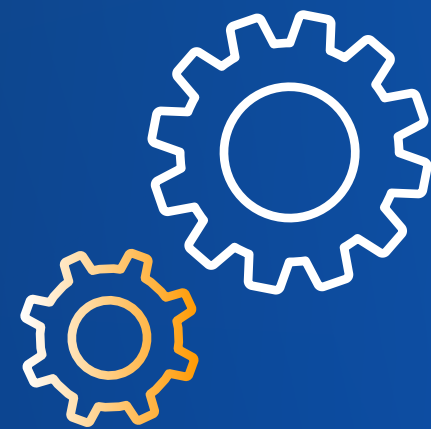
With over 200+ services to integrate with, you can drive innovation like never before. Utilize emerging technologies like AI and ML to enable automation and unlock deeper insights from your data. Achieve your high availability and disaster recovery goals with 84 Availability Zones in 26 geographic regions around the world with the AWS Cloud. By getting more from your current investments, you can use analytics to become truly data-driven and make decisions that will delight and exceed your customers' expectations.



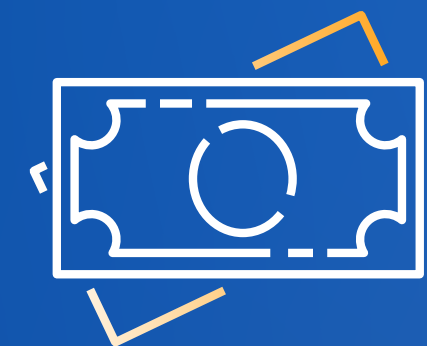
Most reliable and secure cloud infrastructure



200+ cloud services to innovate with



Organizational productivity with automation



Proven infrastructure cost optimization



Oracle DB Choice and Flexibility



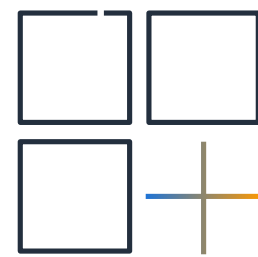
Innovation and experience with Oracle on AWS

1

The promise of AWS Cloud for Oracle customers

“We anticipate major growth in our billing processes in the near future, and AWS enables us to truly go global to support that. By running our platforms on AWS, we can support an always-on strategy that gives our business users the ability to communicate with us at all times across the globe.”

Gautam Tulsian, Senior Vice President and CIO, Global Finance, Equifax



You are invested in getting the most from your Oracle ERP applications

Hardware, maintenance, support, data center costs, licensing costs, and more, are large budget expenses that reduce your ability to invest in innovation. Additionally, team members spend their time on lower business value tasks related to maintaining on-premise solutions instead of finding new ways to drive innovation. From ensuring the systems are running properly to disaster recovery, your team could be spending this time on high value business tasks like improving customer service, automating processes, data analysis, and more.



Move your Oracle ERP on-premises solutions to the AWS Cloud and get more innovation and better resource allocation

By running your Oracle ERP applications on AWS, you can reduce costs by eliminating hardware and on-premises maintenance costs, while taking advantage of the robust AWS disaster recovery capabilities. The AWS Optimization and Licensing Assessment (AWS OLA) provided by AWS Partners can evaluate your current third-party licensing costs and provide a plan to run your resources more efficiently. Team members are freed from routine tasks to take on projects that drive innovation and propel your organization further.

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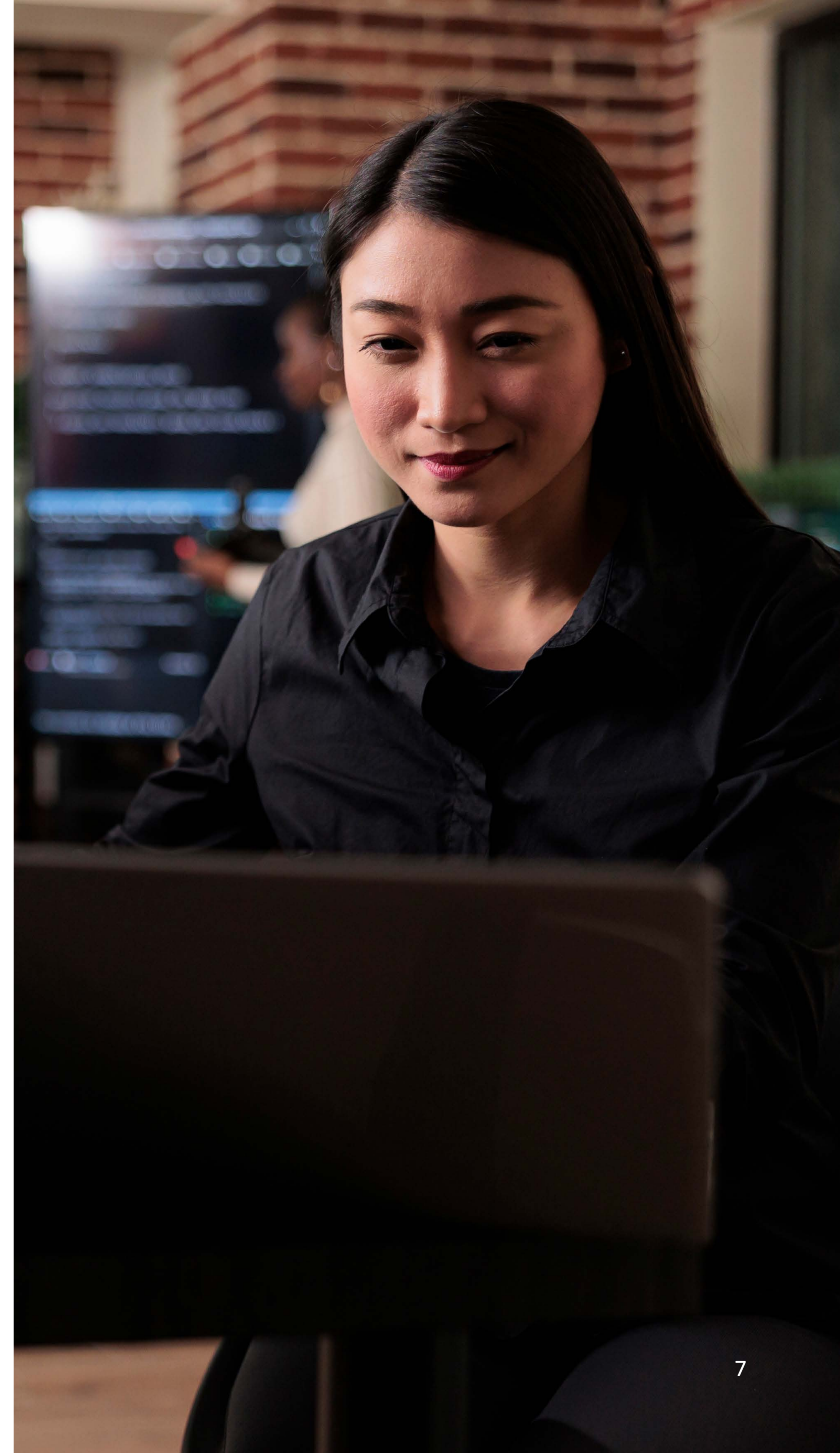
Modernize your IT environment in the cloud

Take advantage of emerging technologies in the cloud

Successful organizations are constantly looking to and planning for their future. On-premises solutions are not only costly, but they prevent you from taking advantage of new technologies that can help you improve your business both internally and externally. When you migrate your Oracle investment to the AWS Cloud, you get a platform designed to help you reach your modernization goals. AWS has the tools and proven experience migrating customers from nearly every industry to safely deploy your Oracle ERP applications and help you get started in the cloud.

AWS has more services to drive innovation and help you get more from your Oracle ERP applications

On AWS, your Oracle investment goes further. AWS has the services and training available to modernize your workforce and accelerate agile development with net-new, cloud-native applications and customer experiences. From new products to new ways of reaching and serving your customers, the AWS Cloud is designed for innovation. By leveraging the breadth of AWS services and cloud applications, like AI/ML, you can expand the functionality of your current ERP applications, increase process efficiency and insights, and make better data-driven decisions.



3

Protect yourself from downtime and high disaster recovery costs

Traditional on-premises to on-premises disaster recovery approaches for Oracle databases require duplication of infrastructure, operating systems (OS), and software licenses, rendering it a highly expensive IT project. In addition to incurring prohibitive costs, this approach has another disadvantage: it can replicate only the database itself but not the other components of the application, which is critical to recovering the entire machine and application state.

This is also a time-intensive method of disaster recovery. Team members must spend time on a regular schedule to maintain it and keep it ready to deal with an emergency. When a disaster strikes, there is no time to wait on slow on-premises solutions come online and start working. Any amount of downtime is money and reputation lost.

Keep your mission-critical workloads running

Using dynamic disaster recovery solutions like [AWS Elastic Disaster Recovery](#) enables a more modern approach to protecting your Oracle databases. This powerful solution significantly reduces disaster recovery infrastructure costs and enables rapid recovery of your Oracle database environment and entire machine state by replicating database, application, and system files. In cases where uninterrupted business continuity is critical, this difference means that you can affordably achieve recovery times of minutes, rather than hours or days.

With AWS, you also get the advantage of remote recovery zones to help ensure you remain in compliance with strict governance and security laws. For example, if your business is located in Florida, you have a recovery zone in California that you can utilize for disaster recovery.

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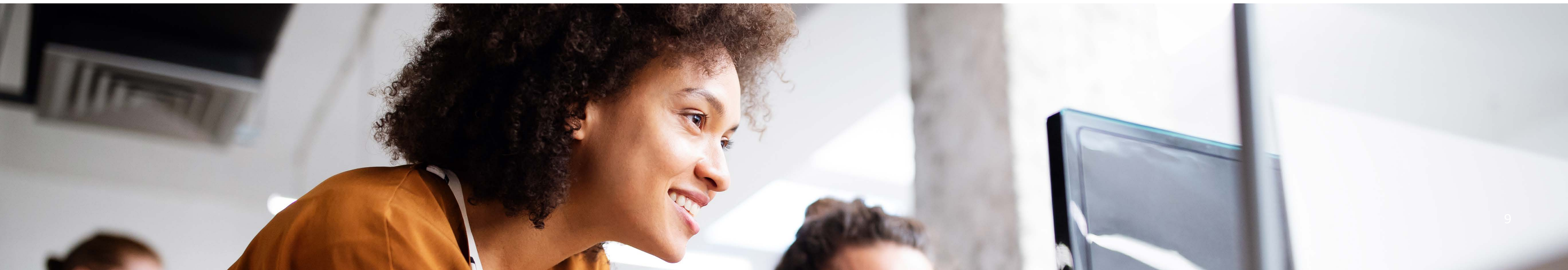
Gain deeper insights and respond faster to changing market conditions and needs

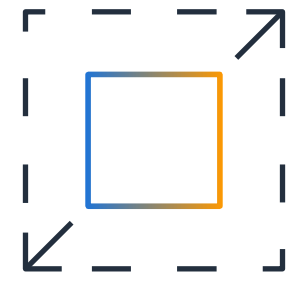
Your customer needs, and business requirement to fulfill those needs, can change rapidly due to evolving market, socio-political, and environmental conditions. It can be difficult to plan for changes that are hard to predict, but that does not mean that you cannot increase your ability to respond quickly. AWS helps empower Oracle users to simplify operations by adding automation and reducing infrastructure complexity. This creates an environment where changing needs can be managed with agility and speed and keeps mission-critical application workloads running uninterrupted.

Create new value from your Oracle ERP applications

Advanced analytics help you become data-driven—making decisions based on deep insights from your own data that help you understand both your organization and your customers better than ever before. By unlocking the data in your Oracle ERP applications, you can differentiate your business while creating new efficiencies.

As technology evolves, you can quickly deploy new cloud solutions in minutes, not weeks or months. This ability to pivot as innovation happens helps you stay competitive and get the most from your Oracle ERP applications.





You need flexible solutions to meet your Oracle ERP application needs

It is difficult to expand or scale back your on-premises environment to meet unexpected demands while maintaining (or even lowering) costs. Reducing your infrastructure to save money or expanding respond to growing demand is expensive, time-consuming, and impossible to do on the fly.

“We wanted to move to a platform that offered built-in elasticity capabilities that could quickly grow to support our peak usage”

Shawn Bryan, ASU Cloud Migration Advisor, Arizona State University



Only pay for the infrastructure you need with the flexibility and agility of the AWS Cloud

Using the flexibility of the AWS Cloud, you can employ a more flexible infrastructure since dynamic flexibility is built into everything AWS does. For example, if you are using a development environment for only 40 hours a week (eight hours a day, five days a week), you can shut down the environment when it is not in use. You pay only for 40 hours of [Amazon Elastic Compute Cloud](#) (Amazon EC2) compute charges instead of 168 hours (24 hours a day, seven days a week) for an on-premises environment running all the time; **this can result in a saving of 75% for Amazon EC2 compute charges.**²

5

Extend the value of Oracle ERP applications with automation, AI/ML, and advanced analytics

9,000+
solutions

200+
cloud-native services

The AWS Cloud is built for a changing world. New technologies like AI/ML can help you increase automation in your operations, leading to simplified solutions that save time and money. With cloud-native services that easily integrate with your existing applications, you can respond to the changing needs of your customers with agility and speed.

Stay ahead of a changing world with emerging technology solutions

Using the power of AI/ML, you can gain new insights from your Oracle ERP applications data, enabling you to identify trends and changes earlier. With this new understanding, you can react accordingly without losing a step. By using analytics to gain a deeper understanding of your customers, market trends, and more, you can make data-driven decisions earlier, helping your business stay ahead of competitors.

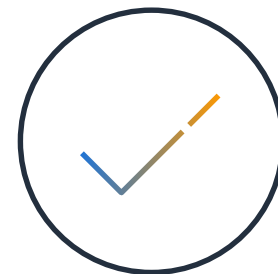
CASE STUDY

Equifax uses AWS to achieve higher scalability and performance for mission-critical financial applications



The Challenge

Maintaining an on-premises environment for its mission-critical internal financial applications, including the Oracle E-Business Suite, Hyperion Suite, and Oracle BRM-based billing applications led to scalability and performance challenges.



The Solution

- Equifax migrated their entire Oracle ERP applications suite to AWS and utilized AWS partner [Cloudreach](#) as well as [AWS CloudEndure Migration](#) to simplify, expedite, and automate large-scale migration of the Oracle BRM application to AWS
- Equifax now runs on hundreds of Amazon EC2 instances and uses [Amazon Elastic Block Store](#) (Amazon EBS) for persistent block level storage
- Equifax's applications run on more than 850 vCPUs, storing over 100 TB of data across approximately 350 Amazon EBS volumes, and 31 [Amazon Relational Database Service](#) (Amazon RDS) instances, with a database size of 12 TB



The Benefits

- Improved their Hyperion reporting platform performance by up to 300% resulting in faster reporting to meet close-of-business deadlines for monthly reporting
- Enhanced performance through easier adjustments of their ERP and billing systems compared to their on-premises environment
- Increased scalability and reliability across the globe to meet current and future growth

[Read the case study to learn more >](#)

Oracle on AWS

AWS Oracle Competency Partners

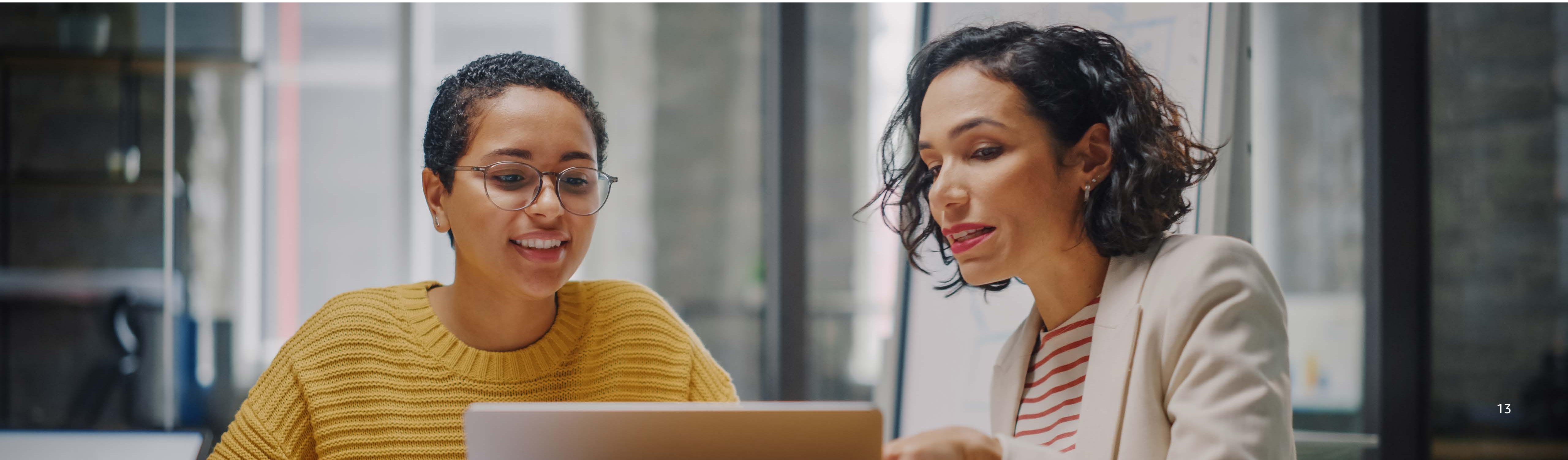
To help you migrate your Oracle ERP applications to the cloud, AWS has an expansive network of AWS Competency Partners that specialize in helping customers architect, deploy, and manage Oracle-based workloads to the AWS Cloud. These partners have the experience and AWS expertise to help you improve scalability, security, availability, and efficiency all at a lower TCO.

[Learn more about our AWS Oracle Competency Partners >](#)

AWS Marketplace

Quickly find, test, buy, and deploy software that runs on AWS to meet your needs. With AWS Marketplace, you can easily apply and launch AMI images for Oracle ERP applications and find AWS Partners that can help you on your journey.

[Go to AWS Marketplace >](#)



Resources

Next steps

- Visit the [Oracle on AWS page](#) for more information
- Find a specialized [AWS Oracle Competency Partner](#)
- [Connect](#) with an AWS expert

Additional Resources

- [AWS Elastic Disaster Recovery](#)
- [AWS Migration Acceleration Program \(MAP\)](#)
- [Oracle ERP Applications on AWS Resources](#)

