

Supercharge your SAP journey to AWS with Tata Consultancy Services



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The state of cloud innovation: trends, challenges, and solutions

Thanks to the cutting-edge technological innovations that have emerged over the past several years, businesses are making huge strides in digital transformation — from streamlining their operations to reducing time to market (and even redefining how they do business).

At the center of these innovations is one of the biggest determinants of enterprise success: the customer experience. Cloud adoption has proven to be the leading strategy for improving the customer experience because it allows organizations to adapt to new business models quickly and embrace technological disruption.

In 2020, nearly 41% of businesses had deployed to the cloud, with 34% in progress and 12% plotting their migration.¹ Companies that are migrating their SAP workloads to Amazon Web Services (AWS) are looking to automate for better efficiency, increased security posture, and fully optimized processes.

Modernizing an aging technology stack with cloud solutions has proven to accelerate innovation and drive better business outcomes, but businesses without a strong road map are likely to encounter fresh pain points along each step of their journey. Challenges can include:

- Preparing data for migration without sufficient expertise
- Sustaining expensive business disruptions and downtime
- Navigating access to data in a way that produces the best analytics and insights
- Ensuring a high level of security during vulnerable transition points
- Reconciling incompatibilities between legacy ERP and newer solutions
- Seeing delayed recognition of ROI — or a lack of ROI if the migration strategy was flawed
- Going over budget when things don't go as planned

¹[IDC's Enterprise IT Infrastructure Survey](#)

A customized approach makes all the difference

The key to bypassing these potential downsides? Modernizing with an experienced partner who understands your business's unique needs, goals, and industry best practice — something that Amazon Web Services (AWS) and Tata Consultancy Services (TCS) have perfected when it comes to driving end-to-end SAP migration. Through their collaboration, TCS and AWS bring expertise and a proven track record of leading large-scale cloud transformations — assuring business success through a seamless SAP cloud journey.

Businesses can take a strong next step wherever they are with TCS's tried-and-true industry-specific solutions that are scalable, secure, reliable, and cost-effective. In particular, TCS Crystallus™, a set of pre-configured industry solutions, makes it possible for businesses to employ standardized solutions out of the gate, demonstrating value more rapidly and funding future initiatives.

Together, AWS and TCS bring businesses a suite of advisory, strategy, and secure managed services that leverage their deep expertise in SAP migrations. They create opportunities for innovation and adoption of superior business models, as well as a chance to launch new solutions that help companies provide better products and services to their customers — and stand out in their markets.

Why businesses are choosing TCS for their SAP journeys to AWS

Businesses preparing to bring their architecture into the next era have several options for how they transform their technology landscape.

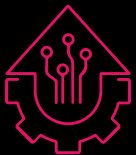
How businesses choose to modernize their operations via SAP implementation on AWS depends on where they are in their transformation and cloud journey.. Thinking of that spectrum from left to right, some organizations are focused more heavily on reducing expenses and getting the most modernization for the smallest price tag; those on the right are looking to overhaul how they do business entirely and may want a wholesale technology landscape upgrade to outpace the competition (the “greenfield” approach).

Generally, businesses fall into one of three categories in their journey:



1. Modernizers

Businesses running on technology landscapes that are nearing end-of-life, or those with licensing issues or an aging technology infrastructure, practically forcing IT and other technology leaders to seek out avenues for ecosystem modernization — before it’s too late.



2. Upgraders

Companies that are looking at IT transfers, with the goal of upgrading products to build out a cutting-edge solution stack. They may want to replace old data centers in addition to other overhauls.



3. Transformers

Organizations that want to transform their legacy processes to redefine the way in which they are doing businesses today and enhance their offerings and customer experience for rapid growth tomorrow.

There are endless use case scenarios where an SAP cloud deployment makes sense — for example, to meet the needs of a merger or acquisition — but these are the most common.

Regardless of where they are on the left-to-right migration spectrum, businesses can universally benefit from partnering with TCS for their SAP migration to AWS via:

Faster assessment of the existing application landscape

End-to-end cloud services that meet businesses where they are, spanning public, private, and hybrid environments

Transformation process shortened from months to weeks

More rapid realization of ROI

More intelligent systems that support scalability

Reduced operations costs

Lowered disruption risk with better resiliency

Improved security posture for SAP landscape for safe scalability and enhanced, more controlled visibility

Increased business agility based on an outcome-driven model

Higher customer satisfaction rates

Added business value with SAP workloads when integrating new, innovation-central technology on AWS

Accelerated time to market by up to 40%

Transformation: How TCS tailors SAP migrations to AWS



Meeting businesses wherever they are

By pairing TCS's domain expertise in leading SAP application migrations with AWS's capabilities, businesses can get a tailor-made assessment and road map for their migration process — starting at any point along their cloud journey.

From assessment to implementation, TCS works with clients to determine how to simplify their migration while also maximizing outcomes. TCS and AWS review each road map, tapping into the knowledge of their expert SAP teams and research labs to ensure migrations and architectures are built on best practices — providing a holistic experience with a clear value path.

There are 5 pillars to TCS's end-to-end bundle for SAP migrations:

SAP Cloud Advisory

- Business case definition
- SAP Cloud & landscape Strategy
- SAP Cloud Performance Review

SAP Operations on Cloud

- Managed Operations
- Cataloged Services
- DR management

SAP Cloud Design & Migration

- SAP Cloud architecture Design
- SAP High Availability (HA) and Disaster Recovery (DR) design
- Tool based migrations
- TCS ConvertCore™ on Cloud

SAP Innovations on Cloud

- SAP business solutions
- Customer developments
- Cloud integrations

SAP Cloud Implementations

- Jump Start
- TCS Crystallus™ on Cloud
- One-Click Deployments

Innovation: Spotlight on TCS Crystallus™

Modernization touch points run across business operations, from market differentiation and resilience to customer responsiveness and product launch timelines.

To help businesses more easily create a purpose-led ecosystem on their innovation journey (and ensure business continuity), TCS created TCS Crystallus, a set of pre-configured industry solutions aimed at accelerating business growth. Because of TCS's extensive experience in a long list of industries, TCS Crystallus users can rest assured that they are implementing a solution that's already proven effective for businesses in their industry.

TCS Crystallus leverages the cloud-first capabilities of AWS to yield a powerhouse combination of accelerators and differentiators that can help businesses at any phase in their modernization process — without having to configure further time-consuming customizations. TCS Crystallus leverages:

- **Innovative, industry-specific capabilities** like automation and embedded analytics in the SAP S/4HANA digital core that optimize business outcomes.
- **Full-spectrum solutions** guided by comprehensive blueprints that streamline business processes.
- **Embedded industry best practices** that more efficiently meet business demands.
- A **Machine First Delivery Model**, TCS's proprietary intelligent technology framework that enhances platform capability so enterprises can continuously transform and adapt.

TCS Crystallus is just one part of TCS's comprehensive portfolio of Cloud Services, which encompass everything a business needs to optimize its technical stack:

TCS Cloud Suite: Cloud Counsel, Cloud Mason, SAP Cloud Ascend, Cloud Exponence to accelerate assessment, design, and delivery with automation.

TCS SMART Framework: TCS Cloud reference architecture bank, SAP Migration Runbooks & Deployment Scripts repository, Best Practices and Lessons Learned

TCS cloud application library: 40 Cloud ready solutions, 11 SAP Certified applications

TCS and AWS success stories

TCS and AWS have helped a long list of clients across industries conceptualize, test, and implement their SAP migrations. Here are a few:



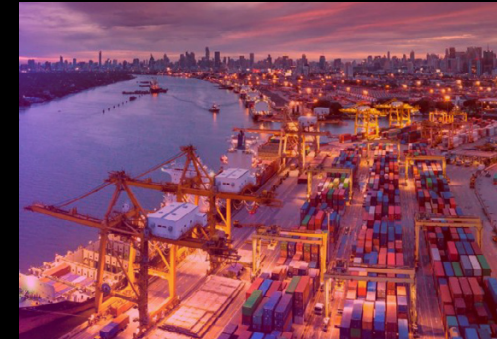
Modernizer

A **European Stock Exchange** needed a more modern mechanism to quickly validate the type of entities it listed on its platform. To add a company to the exchange, internal teams were required to examine various parameters before determining eligibility. TCS worked with the Exchange's teams to spearhead design and implementation of an SAP data platform on AWS, creating a solution that automated the vetting process and allowed the Exchange to move companies to listing status more quickly.



Upgrader

IFFCO an international food producer and retailer, was running on a legacy ERP that siloed business operations for the company's 32 offices and 30 manufacturing facilities across ten countries. To create a "one IFFCO" structure that ran on real-time inventory data to respond to issues faster, the company partnered with TCS to migrate to SAP S/4HANA on AWS — opting for a greenfield implementation that employed automation, process optimization, operations digitization, and improved analytics. Utilizing TCS's Transformation Delivery Methodology (TDM) and advisory services, IFFCO saw a 100% improvement in error-free, system-driven budget controls and realized real-time inventory status that improved customer service, end-to-end tracking visibility, and a digitized procurement approval cycle.



Transformer

Damen Shipyards chose TCS to guide its migration to SAP S/4HANA on AWS to develop an integrated IoT platform, with an emphasis on reliability, security, and scalability. TCS helped Damen connect and gather data from the company's 15,000 sensors on globally located vessels — a money-saving transformation that predicted maintenance needs before problems arose, saved on fuel consumption, and provided broader access to remote services. Damen's new ability to leverage more intelligent analytics and collaborate with partners in real-time improved its customer service, from more rapid deployments to flawless decommissioning. As a result, Damen Shipyards has evolved from a ship builder to one of the largest maritime service providers and next-generation digital enterprises.

Here's how to get started on your SAP migration and modernization journey:

Year after year, TCS has been named a leader in SAP S/4HANA services by [Gartner](#), [IDC](#), [NelsonHall](#), and [Everest Group](#). Follow the steps below to get started:

Step 1: Engage

Start a discussion with TCS that lays out where you are and where you want to be.

Step 2: Assess

TCS will provide an in-depth assessment that includes a Jump Start plan for your unique business case, with the goal of quickly demonstrating initial value.

Step 3: Implement

TCS will guide you every step of your journey, from design to migration and full-steam implementation.

There's no better time to get future-ready than the present. [Contact TCS today](#) to learn more about how we help usher enterprises into tomorrow.





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