



AWS Global Practice

SAP Cloud Deployment on AWS

Overcome migration complexity with SAP Cloud on Amazon Web Services (AWS).

Enable efficient SAP migration with lower CapEx for hosting infrastructure, high availability and automation

In today's competitive digital economy, 83% of organizations rely on the infrastructure-as-a-service (IaaS) model for application delivery, which enables lower IT costs, faster time to market and better service quality compared to traditional IT offerings.

Some of the key challenges when migrating SAP applications range from high CapEx for hosting infrastructure to slower SAP deployments, complex and costly migrations, insufficient monitoring methodologies, complex system integrations, dynamic and seasonal workloads, lock-in periods for infrastructure hosting and with SAP application vulnerabilities.

To address these challenges, Cognizant offers pay-per-use (cost savings of up to 40%), rapid provisioning of SAP systems, best-in-class technical operations, self-services for non-production SAP systems, transparent metering and resource inspection, high availability solutions integrated with software-as-a-service options, auto-scaling, infrastructure flexibility and portability, and managed cloud platform security.

We help organizations simplify service operations by overcoming the complexity of SAP migration and facilitating a scalable delivery model.

Increase business efficiency and reduce cost in complex IT landscapes

Our packaged SAP cloud fit solution offers best-in-class deployment on the public cloud by providing the right-fit platform for SAP with one-click provisioning, high system availability, and audited trust and safety. SAP cloud shift provides rapid migration to the public cloud through a zero-CapEx SAP migration with rapid acceleration and near-zero downtime.

The following Cognizant services and offerings enable seamless transition of SAP ERP landscapes to AWS cloud:

- **SAP Cloud Advisory Services:** SAP cloud consulting to meet your compliance, technical and business objectives.
- **SAP Cloud Assessment Workshop:** SAP cloud assessment workshops held jointly with clients and AWS to assess the current landscape and identify use cases.
- **SAP Implementation or Migration on Public or Hybrid Cloud:** Accelerate, build, migrate, or deploy SAP landscapes onto AWS cloud to establish the foundation for digital-ready operations by transforming legacy IT to future-ready 'as-a-service' delivery models.

SAP deployment on AWS improves scalability, stability and availability.

- **Cloud Security:** Ensures security because Cognizant understands the risks and compliance requirements, as well as the implications of identities and applications.
- **Industry-specific Solutions on Cloud:** End-to-end services for hosting SAP S/4HANA industry solutions across manufacturing, life sciences, utilities, etc., on cloud platforms.
- **IoT Solutions on Cloud:** State-of-the-art turnkey internet of things industry solutions on cloud for manufacturing, high tech, logistics, retail and consumer goods help organizations through relevant insights, compliance, real-time tracking and end-to-end visibility.
- **SAP Managed Platform as a Service:** Managed platform as a service (mPaaS), hosted and deployed on the public cloud, comes with IaaS, OS and database administration, high availability and disaster recovery, cloud SAP integration, SAP administration and enterprise security. This includes end-to-end infrastructure, SAP-based platform support and Level 3 application management services (including SAP functional and SAP security support) for our clients.

Understand, build and optimize migration operations to drive continuous service improvements and automation

Cognizant SAP Cloud Assessment and Transformation (cCAT) Framework and SAP HANA Assessment and Transformation Framework help customers rapidly adopt and execute cloud strategies for SAP and accelerate migration to SAP HANA.

The cCAT Framework library includes templates for landscape assessment information gathering, SAP technical architecture backup strategy design, as well as guided procedures and best practices for capacity planning, deploying and operating high availability and disaster recovery solutions for HANA on AWS, etc., to help accelerate AWS cloud adoption

for technical migration and deployment projects.

Services and benefits of Cognizant's approach:

cCAT facilitates a seamless and accelerated cloud adoption methodology that provides access any time and anywhere, on mobile and web-based user interfaces. This framework:

- Automates cloud migration services by up to 60%.
- Reduces manual efforts involved by up to 40%.
- Eliminates manual errors by 90%.
- Optimizes cloud infrastructure utilization by 30%.
- Provides end-to-end cloud lifecycle management.

Business benefits:

For a leading AFS retail company, we:

- Lowered IT infrastructure spending on the SAP landscape and increased availability of hardware for scale out and new project requirements.
- Enabled a platform for instant SAP application prototyping that adopts the client's agile development approach.

For a French energy management and automation company, we:

- Lowered IT operational costs by adopting cloud hosting for SAP legacy applications.
- Reduced CapEx using a consumption-based pricing model for infrastructure in AWS cloud.
- Improved stability with a technical hardware refresh and accelerated SAP system rebuilds.

For a leading soft drinks company, we:

- Lowered IT operational costs by adopting cloud hosting for SAP legacy applications for non-production SAP systems.

SAP deployment on AWS provides consumption based pricing, mPaaS, disaster recovery on AWS, rapid migration of SAP system to AWS and SAP hybrid cloud hosting.

- Reduced CapEx and gained flexibility with a pay-as-you-use model in the target AWS landscape.
- Improved stability with a technical hardware refresh and accelerated SAP system rebuilds.
- Phased out hardware worth US\$11 million.

For a life sciences company, we:

- Created a GXP-compliant SAP environment and business process.
- Increased flexibility with a pay-as-you-use model in the target AWS environment.
- Decreased hosting costs by migrating to AWS reserve instances.
- Increased flexibility and portability for SAP applications hosting.
- Added real-time scale up/down capabilities for hardware resources to better respond to computing demands.
- Decreased in overall hardware maintenance costs compared to the IBM cloud hosting environment.

Why Cognizant?

Cognizant’s highly experienced SAP consulting practice has a global presence with over 10,000 resources, including more than 1,000 SAP HANA / SAP S/4HANA certified/trained experts.

We work closely with the SAP S/4HANA product management team on early evaluations of innovations. This includes access to a network of more than 1,200 SAP S/4HANA development personnel in SAP Laboratories in India. Cognizant has delivered numerous Elliptical curve cryptography (ECC) implementations and rollouts at global scale.

About Cognizant

Cognizant (Nasdaq-100: CTSI) is one of the world’s leading professional services companies, transforming clients’ business, operating and technology models for the digital era. Our unique industry-based, consultative approach helps clients envision, build and run more innovative and efficient businesses. Headquartered in the U.S., Cognizant is ranked 193 on the Fortune 500 and is consistently listed among the most admired companies in the world. Learn how Cognizant helps clients lead with digital at www.cognizant.com or follow us @Cognizant.



World Headquarters

500 Frank W. Burr Blvd.
Teaneck, NJ 07666 USA
Phone: +1 201 801 0233
Fax: +1 201 801 0243
Toll Free: +1 888 937 3277

European Headquarters

1 Kingdom Street
Paddington Central
London W2 6BD England
Phone: +44 (0) 20 7297 7600
Fax: +44 (0) 20 7121 0102

India Operations Headquarters

#5/535 Old Mahabalipuram Road
Okkiyam Pettai, Thorapakkam
Chennai, 600 096 India
Phone: +91 (0) 44 4209 6000
Fax: +91 (0) 44 4209 6060