



## AWS Global Practice

# AWS Cloud Solutions

Modernize your workloads faster with Cognizant's AWS offerings

### Drive innovation, improve operational agility and scale business services

In the digital era, improving time to market, anticipating and swiftly reacting to market changes, and delivering superior customer experience are core business priorities. Organizations are embarking on large-scale cloud-based modernization initiatives to improve operational agility, accelerate innovation and differentiate customer experience.

The path to unlocking value with the cloud is not without its own challenges of change management and technology complexity. At Cognizant, we believe that a successful digital transformation involves modernizing three core elements—IT platforms, data and applications – by leveraging the full potential of Amazon Web Services (AWS). No matter where you are in your digital journey, we can help you unearth maximum value while accelerating your digital transformation.

### Transform your digital core with Cognizant's AWS offerings

Cognizant offers a suite of cloud services designed to modernize your infrastructure and applications, to enable your digital transformation on AWS with the following services:

- **Consult** accelerates your growth strategy by designing a roadmap using application portfolio rationalization for your digital transformation journey.
- **Migrate** executes your cloud migration strategy by transforming your platforms, applications and data with AWS using a variety of modernization and transformation techniques and accelerators, including DevOps methodology.
- **Operate** ensures your AWS resources work securely and optimally while maximizing cost

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**Transform your infrastructure and applications, and accelerate innovation with Cognizant cloud solutions on AWS.**

savings through an economics-based methodology that leverages our integrated Cloud Management Platform (iCMP) powered by artificial intelligence (AI) and machine learning (ML) techniques.

### **Platform modernization**

Cognizant offers out-of-the-box capabilities with built-in new-age AWS technologies to modernize your legacy infrastructure platforms on AWS cloud. Offerings include:

#### **Migration Acceleration and Readiness:**

Assess, build and migrate legacy workloads quickly and methodically, leveraging automation and specialized tools via the AWS Migration Acceleration Partner (MAP) program.

**Windows Modernization Studio:** Migrate large Windows estates and end-of-life software to AWS cloud-native services. We can help you move SQL Server on Windows to SQL Server on Linux on AWS, SQL Server on Windows to Amazon Aurora, .NET to containers/Amazon EC2 container service, .NET to microservices and .NET to AWS Lambda serverless compute service on AWS cloud.

**Cloud Contact Center:** Modernize contact centers by using Amazon's full AI slate (Polly, Lex, Rekognition), which integrates with AWS Connect.

**Connected Ecosystem:** Increase operational efficiency, boost security and compliance, and improve overall customer experience using smart solutions that leverage the AWS internet of things core, Amazon FreeRTOS, AWS Greengrass and AWS Cognito on AWS cloud.

**Cognizant AWS Workspaces:** Simplify workspace environments with virtual desktops at scale, available anywhere, any time and on any device, powered by AWS.

**Compliant Cloud:** Leverage our expertise in architecting a highly scalable, available and agile AWS infrastructure, certified with security and industry compliant, using

robust cloud-native services from AWS.

**Cloud Economics:** Optimize your cloud with a minimum spend. Our cyclic framework ensures all aspects of due diligence, assessment, risk analysis, business impact and change management are handled flawlessly, with significant cost savings.

**Mainframe Modernization:** Migrate and modernize mainframe applications to AWS cloud services that encompass mainframe rehost strategy, optimization, DevOps and data modernization integrated with industry-standard tools to reduce cost and risk.

### **Data modernization**

Cognizant helps your organization leverage data for competitive advantage to improve predictability, anticipate consumer needs and deliver superior business outcomes. Offerings include:

#### **AI Data Modernization Methods:**

Leverage data reference models to reimagine your data and analytics foundation using a set of attributes that will help modernize your data ecosystem in a structured way. Accelerate time to market by 30% to 70%, reduce total cost of data by 40% and realize the value in three to six months.

#### **Data Modernization Platform:**

Accelerate your journey to AWS with a data modernization services platform and workbenches built on a microservices architecture by adopting a configurable approach rather than a coding paradigm.

**Data Foundry:** Leverage this collection of accelerators, tools and frameworks to migrate legacy data structures and code. It includes a custom-build option and business-specific scenarios on the AWS cloud.

### **Application modernization**

Leverage AWS cloud to not only innovate and quickly launch cloud-native products and services but also transform existing workloads.

Cognizant leverages AWS cloud-native technology stacks, serverless computing models and microservices architectures with built-in containers to reimagine/refactor our applications. Offerings include:

### **Cloud-Native Application**

**Development:** Quickly build and deploy Greenfield cloud-native applications by using out-of-the-box platforms built with market-leading technologies.

**Application Transformation:** Benefit from assessment and application redesign/re-architecture of cloud-native operations and DevOps transition.

**Enterprise Apps on Cloud:** Deploy pre-configured, fully managed and compliant enterprise applications such as SAP on AWS, Pega on AWS, Oracle EBS, MDM and IBM e-Commerce.

### **Accelerate time to value at every stage of your cloud journey with Cognizant cloud accelerators**

- **Cloud Steps:** An end-to-end, AI/ML-based cloud transformational framework to cover the entire life cycle of the cloud, including strategizing, planning, modernizing, operating and optimizing. It also includes a rich set of reusable assets, accelerators and third-party tools for rapid hybrid cloud adoption.
- **integrated Cloud Management Platform:** An AI/ML-based cloud management platform to leverage best-of-breed assets and best-in-class third-party API-driven tools and platforms. It provides a “single pane of glass” for hybrid/multi-cloud environments, maximizing automation of cloud operations with a roadmap to No-Ops.
- **AppLens:** A one-stop assessment platform to evaluate application health and determine application workload cloud-readiness. It creates debt

elimination opportunities through application healing and automation, as well as measures business key performance indicators and outcomes.

- **Windows Modernization Studio:** A dedicated Center of Excellence to modernize .NET and SQL Server applications to serverless computing, containers and microservices.
- **Terraform Accelerator:** A set of ready-to-use Terraform templates for infrastructure and pipeline as Code.
- **COSMOS:** A unified workbench to develop microservices; generate microservices governance components; model, publish and manage microservices; and build required artifacts for cloud-based and on-premises deployment.
- **Value Stream Mapping:** An automated portfolio assessment tool to analyze cloud-readiness for Java and .NET applications. Its powerful engine analyzes hundreds of applications within minutes, identifies anti-patterns and provides remediation steps to migrate applications.
- **Zero Deviation Lifecycle:** A set of software engineering tools to reverse-engineer application code and runtime behavior into industry-standard views and models. It models a precise picture of legacy systems that provides alignment between business and IT.

### **Success stories**

**High-performance ecommerce strategy:** For a leading European do-it-yourself store franchiser, we:

- Improved site efficiency through 24x7 performance monitoring.
- Increased conversion rates by implementing quicker order processing via faster page load times.

**Migration to cloud-based adaptive data foundation:** For a global life sciences customer, we:

- Reduced by 95% external mainframe data-hosting costs.
- Saved \$3.6 million saved annually by migrating to the cloud.
- Improved by 50% data access and retrieval speeds.

**Guidewire on AWS implementation:** For a leading U.S.-based insurance provider, we:

- Consolidated more than 100 application in the complete insurance workflow.
- Enabled faster time to market.
- Reduced IT infrastructure and operations costs.
- Automated non-production environment.

### Deliver digital on AWS cloud

For more information, visit <https://www.cognizant.com/cognizant-digital-systems-technology/cloud-enablement-services/aws-cloud>

Cognizant is a premier consulting partner for AWS with over 2,000 AWS practitioners, including more than 1,000 certified professionals. We are also an AWS Channel Reseller, an AWS Managed Services Partner, an AWS Migration Acceleration Program (MAP) partner and an AWS Marketplace Reseller. In addition to this, Cognizant has accredited status with AWS for service delivery, healthcare and life sciences, financial services, migration competency, big data, Workspaces and SharePoint.

Choose Cognizant and AWS to gain industry-leading partners with proven solutions. We'll blend our system integration capabilities, accelerators, frameworks and toolkits with our advisory, implementation and managed services, along with best-in-class AWS cloud computing technologies and services, to deliver a reliable, flexible cloud infrastructure that will drive business

## 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](http://www.cognizant.com) or follow us @Cognizant.

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