

AWS Global Practice

Integrated cloud management platform for AWS

Build your cloud management platform with AWS-native services to deliver operational efficiency, cost savings, agility and user experience.

Managing complexity and governance—a digital era necessity

The prevalence of a digital-driven business landscape requires enterprises to focus on

cloud adoption using reliable and continually innovating platforms like Amazon Web Services (AWS). As organizations pivot towards cloud-native applications, it is imperative that they provide users with the freedom to consume cloud resources seamlessly, with minimal dependencies on IT operations, and improve speed to market.

This underpins the need for platform-based, DevOpscentric automated cloud operations with cloud governance. However, not all IT organizations can afford cost overruns while building such a complex platform, hence the need for an optimal solution that is both simple and inexpensive.

Cognizant's Integrated Cloud Management Platform

Cognizant's Cloud360 Integrated Cloud Management Platform (ICMP) addresses the market's growing demand for a comprehensive cloud management system. ICMP provides control over existing cloud usage and enables IT organizations to offer cloud management services across AWS cloud. This preintegrated ecosystem includes several advanced AWS services woven together to deliver platform-based best-in-class agile AWS operations.

Staying on top of cloud usage across **AWS** deployments

Cognizant's ICMP for AWS is built to deliver value for an organization's investment in cloud infrastructure through preintegrated and preconfigured AWSnative services. The platform is security-centric and ensures compliance, without compromising agility and scalability.

The key features of ICMP include:

- · Built mainly with cloud-native tools.
- Ability to select optional tools from best-in-class market-leading partners.
- · Ability to customize the platform to cost, performance and functionality.
- · Integration with DevSecOps to accelerate clients' DevOps journey.
- Huge repository of Cognizant's automation assets to select from.
- Flexibility facilitates integration with clients' in-house tools.
- Innovative and out-of-the-box solution blue prints for faster time to market.

Integrated and native approach, with a roadmap to Less Ops

Cognizant's ICMP for AWS is based on a comprehensive and exhaustive reference architecture that includes next-generation interfaces such as Amazon Lex, Amazon Polly and Amazon Alexa, powered by backend machine learning tool Amazon SageMaker, as well as analytical and reporting tools such as AWS Glue, Amazon Athena, Amazon Elasticsearch Service and Amazon QuickSight.

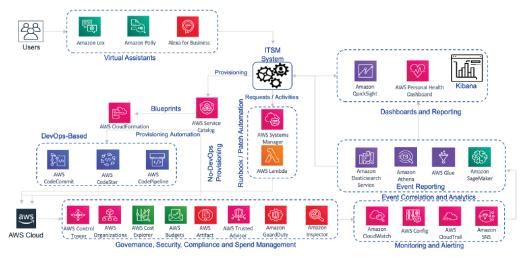
Key business benefits — bringing ITOps closer to NoOps

By automating day 1 (provisioning, orchestration, policy ingestion, configuration, etc.) and day 2 (support, lights-on, housekeeping and ITSM) operations and leveraging artificial intelligence (AI) and machine learning (ML) capabilities, ICMP helps IT operations with a roadmap to NoOps—increasing operational efficiency and consequently, reducing time to market and costs.

ICMP helps IT organizations realize the following benefits:

- Reduced complexity.
- Limited cloud sprawl and improved visibility.
- Reduced cloud spend.
- No third-party lock-in.
- Effective governance.
- Improved security and compliance.

A typical reference model is shown below



ICMP with AWS-native Services-Reference Architecture



Customer outcome highlights

A major global biopharmaceutical client realized the following benefits:

- 65% cost savings through increased operational efficiency and automation.
- 34% improvement in website performance through a wellarchitected framework.
- 100% automation of back-ups and disaster recovery procedures.

A leading healthcare client realized the following benefits:

- Eliminated more than 85% of its manual tasks, including day 1 and day 2 operations.
- Automated operational runbooks through extensive AWS Lambda scripting.
- Automated management of over **3,500 snapshots.**

Let's get started

Automate your cloud operations and make your cloud infrastructure agile for digital applications. Achieve faster time to market, increase operational efficiencies and reduce the cost of operations with our AWS-native integrated cloud management platform

For more information about Cognizant's AWS global practice, click here.



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