



Cognizant Digital Systems & Technology

# Cognizant Cloud Security solutions

Transform your security operations to protect your business across public and hybrid cloud environments.

The advantages of moving to the cloud are beyond dispute. But it's surprising, and worrying, how many organizations have not yet considered the security implications of such a transformation.

## **Don't let your cloud-first strategy mean that security is last**

Although the advantages of using the cloud are clear, there are pitfalls to cloud migration. Lack of visibility, control and expertise can present severe threats to your operation, and particularly its security.

Approaches to effective security in the cloud are different to those in a physical network. Endpoint identity and access administration is critical, rather than the network security controls of non-cloud networks. As a result, the expertise you currently have in security may not be entirely relevant to your new, cloud-based business.

Some companies that embarked on large cloud deployments without appropriate controls are now retrofitting those environments to address security and privacy concerns. Even here, in the rush to patch threats such as data loss and unauthorized or unsanctioned application usage, security-as-a-service solutions are being applied without appropriate review or knowledge, compounding rather than avoiding risk.

Part of the security dilemma faced by such organizations is the lack of a single data analytics model providing visibility across all environments. This makes it impossible to identify, contain, respond to and remediate suspected security events taking place in the cloud. Another difficulty is trying to integrate an organization's current access administration strategy into hybrid or cloud deployments.

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### Are you suffering from these classic cloud oversights?

Your company may face many security-related challenges. Some of the most common are:

- Not conducting a risk and compliance assessment prior to designing your cloud security architecture
- Not knowing how many applications are currently in the cloud
- Migrating to the cloud without a cloud security strategy
- Not considering the tradeoffs between native cloud security tools and enterprise security tools extended to the cloud
- Not building security into DevOps deployments (DevSecOps)
- Not properly federating identities and access controls between enterprise, hybrid and cloud deployments

To avoid these common pitfalls, you need a partner with the expertise to address cloud security requirements. It's the kind of expertise that Cognizant can supply. We provides professional services and structured workshops to help your company align security objectives with business and IT strategy, while taking into account your tolerance for risk.

### Produce a resilient program

Whatever your current stage of cloud development, Cognizant's cloud security solutions can ensure your journey is a smooth one, minimizing the security risks of migration. Our team offers a multipronged partnership approach, including:

#### Professional services

- Understanding gaps
- Aligning with organization objectives
- Building cloud security strategy
- Designing and configuring controls aligned to strategy
- Validating cloud security framework and control effectiveness

### Operations

- Supporting ongoing security control configuration management/co-management
- Providing continuous monitoring and analysis
- Delivering threat intelligence
- Coordinating incident response and recovery

### Assess and recommend

Our experts work with your team and vendor partners to assess risk as well as, business and regulatory security requirements and to determine the current state of cloud security for planned and in-flight cloud programs. This is an essential stage in the process of determining an appropriate security strategy for the cloud.

### Design and build

We will design a cloud security roadmap and controls in line with your business strategy, objectives and identified requirements for lift and shift, lift and operate and lift and transform cloud migrations. We find opportunities to improve your organization's ability to operate in cloud environments and reduce your security exposure, making full use of new native and third-party cloud security solutions.

### Migrate and validate

The Cognizant Security team works with your business to implement agreed upon cloud security controls and perform post-migration controls analysis. That task includes validating control effectiveness, ensuring logging and alerting capabilities, and testing incident response plans, plus key performance indicator and key risk indicator reporting.

### Run and optimize

We help provide ongoing scalable shared services for continuous configuration management, monitoring and alerting, as well as security responses. This ensures that your security posture evolves ahead of the threat environment to minimize the future risk to your company.

## The Cognizant difference

Cognizant works with clients around the globe and has over two decades of experience in the security space.

We work closely with AWS, Azure, Google, IBM, Oracle and many other trusted cloud partners.

Our holistic approach starts with vision and strategy. We'll guide your company from design and build to operations, overseeing the transformation from end to end.

Cognizant's expertise provides a 360-degree view of security to protect your business, helping it grow and evolve.

Our portfolio of next-generation, cloud-based security services, known as the Cyber Threat Defense portfolio, helps enterprises stay secure no matter where they are in their respective digital transformation journeys.

## Cognizant cloud security in action

### Client challenge

A leading insurance firm faced a series of technological challenges when migrating to the cloud. Realizing the transformation across the entire organization with in-house resources would have been both time-consuming and problematic, it engaged the Cognizant Security team.

### Our solution

We segregated the application platform and hosted it on AWS. Next, we migrated the platform from the corporate infrastructure, transitioning users, developers, analysts and the helpdesk to Amazon Workspaces. We also migrated the client's users to Office 365. A service provider now manages IT operations. The company instituted a compliance and monitoring framework to measure SOC2 Type 2 compliance and certification.

## Business outcome

The company now has:

- Enhanced product capabilities for scalability, reliability and agility
- Security and privacy assurance from Health Insurance Portability and Accountability Act security controls and measures
- Standard risk and compliance management based on National Institute of Standards and Technology standards
- Integrated service management, plus a defined process for cloud service areas
- A bring-your-own-device-compliant solution to enable greater employee flexibility and productivity
- New business opportunities, thanks to a reliable security environment

## Business advantages in brief

Ensure your organization is secure during and after its transformational journey. Cognizant Security enables your business to benefit from the full potential of cloud operations, so you can:

- Enjoy seamless migration to the cloud
- Meet security compliance requirements
- Leverage existing controls and operational capabilities
- Improve the efficiency of security spend
- Enhance the user and customer experience
- Protect data for employees and customers
- Prevent, detect and respond to potential unauthorized activity
- Reduce the likelihood of security breaches
- Gain visibility across all environments
- Strengthen business continuity
- Accelerate time to market with new products and services

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## Let's get started

Cognizant Security can ensure your business's digital transformation journey is a secure one, so your transition to the cloud lives up to its full commercial and strategic promise. To find out how we can help you on your way, please visit [www.Cognizant.com/security](http://www.Cognizant.com/security) or email us at [CognizantSecurity@Cognizant.com](mailto:CognizantSecurity@Cognizant.com).

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## About Cognizant

Cognizant (Nasdaq-100: CTSH) 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](https://twitter.com/Cognizant).



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