



# Resilience. Compliance. Trust.

Cloud security at scale

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**Securing the cloud isn't just an isolated concern — it's a daily challenge for companies leading with AI and innovation.**

Across industries, organizations face mounting pressure to secure complex multicloud-cloud and hybrid environments. From insurance aggregators building customer trust through secure data operations, to safeguarding critical infrastructure for energy and utilities, to automotive leaders enabling global digital transformation — cloud security is at the heart of resilience and growth.

These client stories highlight how **NTT DATA partners** with industry leaders to implement scalable cloud-native security, integrate DevSecOps and accelerate compliance maturity — improving operational resilience, regulatory confidence and customer trust.



## Client

### Large insurance aggregator

A leading insurance aggregator uses digital tools to help its customers compare insurance policies from multiple providers in real time. Their platform simplifies policy selection, improves transparency and drives consumer trust. Operating in regulated markets such as India, the aggregator manages sensitive personal and financial data while adhering to stringent compliance and privacy requirements. With a heavy reliance on cloud infrastructure, application programming interfaces (APIs) and data analytics, the client delivers real-time quotes and personalized offerings at scale.

# Securing client trust with cloud-native compliance

## Business need

Operating as a digital-native, data-intensive platform, the client faced several challenges in scaling securely:

- Protecting sensitive customer and financial data
- Ensuring regulatory compliance across multiple jurisdictions
- Maintaining uptime and service continuity in a highly competitive market
- Gaining visibility and control across a multicloud environment
- Embedding security by design into development workflows to support rapid feature releases

## Solution

NTT DATA followed a phased approach to **implement end-to-end security services**, including:

- **Cloud security posture management (CSPM):** Automated compliance monitoring and enforcement across multicloud environments
- **Cloud infrastructure entitlement management (CIEM):** Improved governance of user access, roles and entitlements
- **DevSecOps integration:** Embedded security controls into development pipelines, accelerating secure product rollouts
- **AI and automation:** Leveraged artificial intelligence and machine learning (AI/ML) to detect anomalies, manage risks and personalize offerings securely
- **Compliance automation:** Continuous monitoring and reporting to meet strict data privacy and regulatory standards

## Outcomes

- **Operational resilience:** With predictive monitoring and early threat detection, we minimized operational risks and safeguarded performance.
- **Regulatory confidence:** Automated compliance processes reduced audit preparation time and improved regulator trust.
- **Customer trust:** Transparent, secure operations boosted consumer adoption and retention across diverse market segments.
- **Scalability:** Enabled expansion into new geographies and product categories without compromising compliance or performance.
- **Competitive edge with data protection:** Our client established a reputation as a trusted and secure insurance platform, differentiating themselves from competitors.





# Scaling security to millions of assets across multicloud

## Business need

The client required a comprehensive, scalable and cloud-native security framework to address the risks and challenges of its rapidly expanding multicloud environment. Specifically, they needed to:

- **Secure rapid cloud expansion:** With 7.1 million Amazon Web Services (AWS) assets and nearly 1 million Microsoft Azure assets, the client needed centralized visibility and consistent security controls across 859 monitored accounts.
- **Ensure continuous compliance and visibility:** Regulatory and operational requirements demanded real-time compliance monitoring and visibility across a highly sensitive, large-scale infrastructure.
- **Handle alert overload efficiently:** Managing 1.5 million alerts across 423 policies required a robust monitoring and automation solution to reduce noise and prioritize critical issues.
- **Close cloud maturity gaps:** They needed a structured strategy to raise maturity and resilience quickly.

## Solution

NTT DATA delivered a comprehensive cloud-native security platform:

- **Full-stack protection:** Leveraging CSPM, cloud workload protection platform (CWPP), data security posture management (DSPM), AI security posture management (AI-SPM) and code security modules to secure workloads, identities and applications
- **24x7 monitoring:** Continuous monitoring and alert handling across AWS and Azure environments
- **DevSecOps integration:** A “shift left and shield right” strategy embedded security early in the development lifecycle
- **Cloud maturity acceleration:** Through structured adoption and posture improvement strategies, our client achieved a leap in maturity

## Client

### Oil and gas enterprise

Our client is an oil and gas enterprise with operations that cover the full value chain, from resource development to processing and distribution. They manage an extensive infrastructure network of refineries, pipelines and power generation facilities. They play a critical role in regional and global energy markets with a strong focus on innovation, operational resilience and technological scale.

## Outcomes

- **Significant maturity leap:**  
Cloud security maturity improved dramatically in less than 4 years.
- **Enhanced operational resilience:** Continuous 24x7 monitoring and advanced alert management handled 1.5 million alerts across 423 policies, reducing noise and improving response prioritization.
- **Quantifiable impact:** The initiative produced measurable improvements in cloud security maturity and enabled the secure management of millions of assets and over a million alerts, clearly demonstrating a strong return on investment.
- **Innovation leadership:** Our client pioneered DSPM from and participated in an AI-SPM beta program for a leader in cybersecurity.
- **Scalable security operations:** Monitoring scaled effectively from 58 to 859 accounts, proving the solution's robustness and adaptability to large-scale operations.

Cloud security posture scores rose from 33% to 93%.



## Client

### Automotive manufacturer

Our client is a renowned premium automotive manufacturer known for producing high-performance vehicles that combine luxury, innovation and engineering precision. With a broad international footprint and a network of production and assembly facilities across multiple regions, the company serves customers in markets worldwide. Beyond manufacturing, they also provide financial and mobility services, operating at the forefront of digital transformation and innovation.

# Driving global transformation with cloud security at scale

## Business need

As the client expanded its use of **AWS** and **Microsoft Azure**, cloud complexity grew rapidly. Key challenges included:

- Lack of a unified CSPM solution
- Need to align cloud security with DevSecOps practices
- Ensuring multicloud visibility and agentless security
- Operationalizing security across a globally distributed environment

## Solution

The client partnered with NTT DATA to design and implement a **modern, scalable CSPM solution** tailored to their needs. NTT DATA:

- Identified and implemented a modern, agentless, SaaS-based CSPM solution aligned with the client's DevSecOps model
- Supported both the global rollout and operationalization of the solution
- Ensured seamless integration with existing cloud infrastructure and development pipelines

## Outcomes

- **Continuous security monitoring:**

**Continuous monitoring of 40,000+ workloads across AWS and Azure environments.**

- **Strengthened DevSecOps maturity:** Embedded security into development workflows, reinforcing a shift-left security posture
- **Measurable improvements:** Delivered quantifiable enhancements in cloud security posture and operational efficiency
- **Efficient execution:** The project was successfully executed over 25 months with a dedicated team of 5 experts, leveraging tools like Terraform and DevOps consulting practices

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