

Cloud Data Protection Service

Unlock seamless cloud security with expert-led data protection services for AWS, Azure, and GCP, boosting compliance, minimizing risk, and securing your most critical assets.



Securing data in cloud environments is essential for organizations using platforms like AWS, Azure, and GCP. Our Cloud Data Protection Service provides a comprehensive approach, from risk assessments to strategy development and implementation, ensuring sensitive data in the cloud is properly protected.

Without effective cloud data protection, organizations face:



Increased Security Risks

Insufficient security controls in the cloud make data vulnerable to breaches and unauthorized access.



Regulatory Compliance Challenges

Not meeting cloud security standards for regulations like GDPR, SOC 2, or ISO 27001 can lead to compliance failures.



Complex Security Management

Managing cloud security across multiple platforms without a unified strategy can result in gaps in protection and inefficient operations.

Why Effective Cloud Data Protection Is Critical

Comprehensive cloud data protection delivers essential improvements to your security environment:

- ✓ Consistent protection of sensitive data across AWS, Azure, and GCP, based on proven cloud security frameworks and best practices.
- ✓ Compliance assurance with standards like GDPR, ISO 27001, SOC 2, CSA and industry-specific regulations, reducing risk during audits and certifications.
- ✓ Uniform enforcement of encryption, tokenization, and access controls across multi-cloud and hybrid cloud deployments.
- ✓ Enhanced visibility and control over critical cloud data, encryption keys, and security policies.
- ✓ Increased operational efficiency through the deployment of cloud-native protection solutions aligned with your enterprise security goals.

Encryption Consulting's Cloud Data Protection Service provides structured assessments, customized strategies, and seamless implementation to secure cloud environments and ensure long-term compliance.

Why Leading Enterprises Choose Encryption Consulting



Trusted by 185+ global customers, including 100+ Fortune 500 companies



Delivered 500+ encryption and cybersecurity projects across 25+ countries



96% customer retention rate driven by long-term encryption advisory partnerships



Achieved 90% customer satisfaction across cybersecurity and cryptographic services



Rated 4.9/5.0 on Gartner Peer Insights for Encryption Consulting services



Led by consultants with 20–30 years of deep expertise in applied cryptography



Built 600+ encryption governance frameworks aligned with GDPR, PCI DSS, HIPAA, NIST, and ISO 27001 standards



Conducted 400+ custom workshops and knowledge transfer sessions, training 5,000+ security professionals

Your Cloud Data Protection Roadmap

Our Cloud Data Protection Services deliver a structured approach, helping you assess risks, design resilient protection strategies, and implement secure solutions across AWS, Azure, and GCP environments, ensuring compliance and strengthening your cloud security environment.

Assessment and Risk Analysis

Evaluate current cloud security controls, identify data protection gaps, and assess encryption, access management, and key management setups.

Requirements Gathering and Workshops

Collaborate with business and technical teams to define sensitive data use cases, compliance needs, and cloud-specific protection requirements.

Strategy and Roadmap Development

Create a cloud data protection strategy aligned with AWS, Azure, and GCP best practices, prioritizing initiatives for immediate and long-term security improvements.

Optimization and Support

Ensure consistent protection across cloud platforms, optimize cloud-native capabilities, and deliver continuous support for cloud environments.

Solution Design and Implementation

Deploy selected data protection controls across cloud services, integrate with existing security architecture, and validate compliance and operational effectiveness.

Solution and Technology Evaluation

Assess and select appropriate native and third-party cloud security services for encryption, tokenization, and centralized key management.



Our Comprehensive Cloud Data Protection Services

Engage with our full advisory offering or select individual services to fit your requirements.

Service	Key Activities	Key Deliverables
 Assessment	<ul style="list-style-type: none">● Assess current cloud data protection across AWS, Azure, and GCP● Identify risks, gaps, and misalignments with platform-native security controls● Evaluate encryption usage, access control configurations, and key management setups● Review compliance with frameworks like PCI DSS, GDPR, CSA, and ISO 27001	<ul style="list-style-type: none">☑ Cloud data protection assessment report☑ Risk and gap analysis prioritized into "Do-Now," "Do-Next," and "Do-Later"☑ Recommendations to strengthen encryption, key management, and cloud security environment
 Strategy and Roadmap	<ul style="list-style-type: none">● Develop a comprehensive strategy for securing sensitive cloud data● Align strategies with AWS, Azure, and GCP best practices and native capabilities● Design protection approaches based on industry standards like NIST and CIS benchmarks● Prioritize initiatives to optimize security, resilience, and regulatory compliance	<ul style="list-style-type: none">☑ Cloud data protection strategy document☑ Strategic roadmaps tailored for AWS, Azure, and GCP environments☑ Architecture and design recommendations for encryption and key management integration
 Implementation	<ul style="list-style-type: none">● Deploy data protection controls and services across AWS, Azure, and GCP● Implement encryption and cloud-native key management solutions● Integrate platform-native security tools for consistent cloud protection <p>Validate implementations to meet compliance and operational requirements</p>	<ul style="list-style-type: none">☑ Deployed and validated data protection solutions across cloud environments☑ Technical deployment guides, operational manuals, and maintenance documentation☑ Validation and compliance assurance reports

Our Product Catalogue

Explore our tailored cloud data protection services designed to secure critical assets, strengthen compliance, and deliver consistent security across AWS, Microsoft Azure, and Google Cloud environments.



Our AWS solution service secures your sensitive data across S3, EC2, and RDS environments with a full assessment, strategic design, and seamless implementation support.



Our Azure service strengthens your cloud security posture by assessing risks, designing protection strategies, and deploying critical safeguards across Azure services and resources.



Our GCP solution protects data across Google Cloud services by performing risk assessments, creating robust strategies, and executing secure implementations tailored to your needs.



Building a cyber-secure future together!

Securing cloud environments requires specialized expertise. Encryption Consulting helps you protect sensitive data across AWS, Azure, and GCP with end-to-end strategies that align with your growth, compliance, and security goals.

[Connect with an Expert](#)

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