

BLUE COAT CLOUD DATA PROTECTION GATEWAY

Protecting Sensitive Data in Public Cloud Services

Cloud services are compelling, in terms of the efficiency, flexibility and cost benefits they can provide. Their adoption, however, has been inhibited by the serious data security and privacy concerns they can introduce to an organization's IT environment.

Relinquishing control of sensitive data to cloud service providers not only impacts an organization's overall security posture, but also impedes their ability to adhere to relevant regulatory and compliance requirements. Industry regulations, including the Health Insurance Portability and Accountability Act (HIPAA), the Gramm-Leach-Bliley Act (GLBA), the Payment Card Industry Data Security Standards (PCI DSS), manufacturing's International Traffic in Arms Regulations (ITAR), and the Criminal Justice Information Services (CJIS) requirements impose strict guidelines that organizations must adhere to on the handling and storage of personally identifiable information (PII) and other regulated data. Additionally, global corporations, depending on the countries in which they operate, may be required to maintain data sovereignty and residency within a defined border.

To address these data privacy and residency issues, organizations have been turning to Blue Coat to help them safely adopt cloud services.

The Blue Coat Answer – Cloud Data Protection Gateway

The Blue Coat Cloud Data Protection Gateway ensures sensitive data remains secure, enabling organizations to maintain the control they need to confidently adopt cloud services and comply with relevant guidelines and regulations. With the Blue Coat Data Protection Gateway, organizations can use cloud applications, such as Salesforce.com and ServiceNow, and continue to satisfy stringent data privacy and residency requirements.

How it Works

The Cloud Data Protection Gateway easily integrates into an organization's cloud service implementation. It can be installed within their firewall or in the infrastructure of their trusted managed service provider. The Cloud Data Protection Gateway operates transparently, protecting the traffic between users and the cloud service to keep sensitive data within the corporation's control. Before any traffic leaves the organization's control, the Gateway replaces each field of the sensitive data with a randomized token or strongly encrypted value to ensure it remains private.

Data Compliance and Protection

The random token or encrypted value generated by the Blue Coat Cloud Data Protection Gateway is what is processed

AT A GLANCE

Problem

Adhere to relevant data privacy and residency requirements

Solution

The Blue Coat Data Protection Gateway

Benefits

- Control your data when using cloud
- Seamless User Experience – Enabling users to do all they need to do, securely
- Cloud Intelligence and Auditing – Providing visibility into exactly what is happening in the cloud

Compliance

- Adhere to relevant data privacy, compliance and residency requirements

and stored in the cloud. This means if information is intercepted or accessed by any unauthorized parties it is meaningless, including individuals who try to access the cloud directly. For those organizations that require the strongest tokenization techniques, the Cloud Data Protection Gateway supports tokenization that adheres to PCI DSS best practices. All access of any information stored in the cloud must go through the Cloud Data Protection Gateway, giving organizations complete control over their sensitive data, in essence, turning a public cloud into a completely private service.

Seamless User Experience

The user experience is unaltered when they access and work with their cloud services. Whether encryption or tokenization is used, Blue Coat's innovative, patented approach indexes all the protected values locally, in a database within the Gateway, ensuring the end-user's experience with their preferred cloud applications (are not altered in any way. With the Gateway, users can seamlessly access, search and sort the protected data, whenever they want, from wherever they are located.

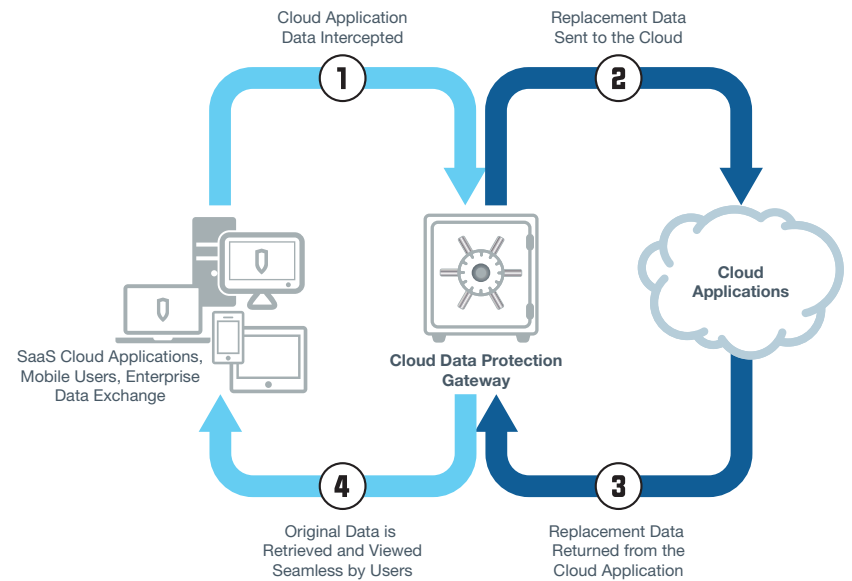
Cloud Intelligence and Auditing

The Cloud Data Protection Gateway provides organizations complete visibility into what is happening in their cloud services, with audit logs for all user activity. Compliance and audit reporting includes detailed data on which records were accessed, what operations were performed on these records (e.g. viewed, created, edited removed/deleted), and what amount of data volume was exchanged. All audit entries are stamped with user, location, date and time details.



Data as viewed through Cloud Data Protection Gateway

Data as viewed directly in the Cloud Application



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