CipherCloud Cloud Access Security Broker (CASB+)

The CipherCloud CASB+ platform provides deep visibility, end-to-end data protection, advanced threat protection, and comprehensive compliance capabilities for enterprise embracing cloud-based applications. The cloud-native CASB+ platform provides end-to-end data protection for enterprises adopting cloud services, ensuring confidential and sensitive data is protected at all locations - in the cloud and on users devices. The CASB+ capabilities enable enterprises to adopt any SaaS, PaaS or IaaS with the confidence of knowing their data will always be protected. The addition of the AnyApp capability allows customers to easily integrate custom developed cloud applications without any complex SDK or application modifications.
Our data-centric CASB+ platform simplifies deployment with hosted or hybrid options, and extends the definition of CASB to add end-to-end data protection with major enterprise SaaS, PaaS and IaaS applications. This deep integration includes:

**Transparent Workflow Experience.** CipherCloud CASB+ extensive data protection capabilities are transparent and seamless to the user experience, ensuring application capabilities and workflows are not affected.

**Integrated Data Protection.** CipherCloud CASB+ provides turnkey integration with many SaaS applications, ensuring field level data protection for your major enterprise applications. This includes encryption, tokenization, data masking, data loss prevention to protect recognized keywords and sensitive numerical formats (e.g., social security number xxx-xx-xxxx), and much more.

**AnyApp for Custom Application Support.** CipherCloud CASB+ AnyApp allows customers to integrate the powerful data protection capabilities for their own custom cloud-based applications. This allows enterprises to ensure custom applications will be able to protect data regardless of their chosen cloud platform. AnyApp allows customers to bring their custom cloud-based applications the benefits of encryption, tokenization, dynamic access control, DRM, UEBA, threat prevention and many other security features.

**CipherCloud CASB+ also includes the full suite of CASB capabilities including:**

**Data Security.** CipherCloud CASB+ provides industry-leading tokenization, encryption, and comprehensive key management with the flexibility to address any mix of security requirements. Our data protection, data loss prevention, native device management, secure offline data access, automated PII anonymization, and HSM support are available in one scalable platform.

**Threat Protection.** CipherCloud CASB+ brings advanced protection to identify and stop threats that are being shared through cloud-based services. This includes capabilities such as adaptive access control, user and entity behavior analytics (UEBA), and virus/malware protection.

**Visibility.** CipherCloud CASB+ delivers complete visibility for your organization’s cloud usage. The cloud discovery and deep analysis quickly reveal shadowIT activity, while providing an assessment on the risk of each cloud service being used, based on over 60 attributes per cloud. With over 14,000+ clouds profiled in our knowledgebase, we quickly identify clouds in use, as well as their associated business risk so that you can take steps address issues immediately.

**Compliance.** CipherCloud CASB+ enables your cloud applications to be compliant with a broad mix of current and pending global privacy and compliance regulations. This includes the controls necessary to support cloud-based applications under PCI, PII, HIPAA, GDPR, and much more.
Benefits of CipherCloud CASB+

- **Accelerate Cloud Adoption.** Move to cloud faster by overcoming cloud security, data privacy and compliance obstacles.

- **Increase Cloud Visibility.** Discover cloud usage, data movement and user activity to minimize data loss and compliance risk.

- **Reduce Cost of Ownership.** One centrally controlled, easy-to-deploy hosted or hybrid platform to address all enterprise cloud requirements, providing end-to-end data protection, and minimize the scope of compliance audits.

- **Minimize Data Breach Risks with Powerful Data Protection.** End-to-end data protection and other key features ensure data is never stored in cloud applications or cloud platforms unprotected, minimizing the risk of data breach, financial loss, reputational and legal impact.

- **Prevent Forced 3rd Party Disclosures and Be in Control.** CASB+ brings a unique and powerful encryption key management capability that is always in the customer’s jurisdiction. No matter who requests access to the data from 3rd parties, to the cloud provider, only the customer can grant or deny access.

- **Enhanced Collaborative Governance.** CASB+ provides a full solution for the collaborative sharing of data with 3rd parties, including full control over sensitive content, full monitoring and logging of all cloud activity.

- **Improve GDPR Readiness - One Solution to Meet Global Compliance Requirements.** The CipherCloud CASB+ architecture can address any mix of global compliance requirements and local privacy laws to simplify your cloud-based application adoption.

The CipherCloud CASB+ platform includes connectors for major enterprise applications which allow customers to integrate powerful application-level protection on sensitive data within these applications.
Connectors for Enterprise SaaS Applications

CASB+ also includes built-in application connectors to support many popular cloud-based business applications including SAP SuccessFactors, ServiceNow, Salesforce, Office365®, Adobe®, Box®, Dropbox®, SAP S/4HANA, SAP Hybrid Cloud and others. These connectors provide data protection while preserving application functions, and ensuring compliance beyond the SaaS application provider’s offering. PaaS ecosystem applications offered in each provider’s marketplace are also protected by the CASB+ platform, providing customers greater control and visibility over which data is shared with these third-party PaaS providers.

One Platform to Support Global Compliance and Privacy Requirements for all of Your Clouds

The CipherCloud CASB+ architecture enables global enterprises to deploy cloud services in alignment with complex compliance regulations such as the European Community General Data Protection Regulation (GDPR) and local privacy laws. Our ground-breaking hybrid deployment allows any enterprise to manage one integrated secure deployment for key cloud applications across multiple countries with controls and key management configurable to address a broad variety of differing regulatory requirements. Each country may have different compliance controls for data privacy, data protection, data sovereignty, and data residency. The CASB+ platform can also support any combination of customer-controlled keys, for multiple applications, in configurations that can include one or more on-premise key management systems.
CipherCloud CASB+ Differentiation

**Transparent Workflow Experience.** CipherCloud CASB+ extends data protection transparently and seamlessly to the user experience, ensuring application workflows are not affected.

**AnyApp Connector.** Customers can integrate powerful CASB+ protection for sensitive data within their own custom cloud applications.

**Application Specific Data Protection.** CipherCloud CASB+ provides the deepest levels of data protection within common enterprise SaaS applications.

**Hybrid Architecture.** A single CipherCloud platform can support multiple SaaS, PaaS and IaaS clouds, and any mix of hosted, on premise or hybrid deployments.

**Enterprise Integration.** Complete integrations with EDLP, EDRM, SIEM, IAM, SSO, EMM, NGFW and many more are available.

**Encryption - Full End-to-End Data Protection.** Encryption at rest, in-flight, and in-use can address the strongest security requirements while still providing user transparency for typical application functions including search, reporting, sorting, charts, and more.

**Zero Trust Key Management.** Full support for HMS and multiple on-premise keys enable you to address the most diverse compliance requirements.

**Native Device Management.** Limit authenticated users by device type so that access is done only from trusted designated platforms.

**Secure Offline Data Access.** Built-in DRM, or EDRM integration enable secure document access online and offline with the ability to instantly revoke access.
CASB+ for the Entire Lifecycle of Cloud Data

CipherCloud’s CASB+ secures enterprise data as it is delivered to the cloud, without restriction on the cloud service or application, in a way that is completely transparent to your end users. Cloud application data is completely secured and protected through its entire lifecycle regardless of which SaaS, PaaS or IaaS you chose. Built-in applications connectors and AnyApp ensure your data is protected at all times.

The Largest Multinationals in the World Use CipherCloud

- 5 of the Top 10 U.S. Banks
- 6 of the Top Banks Worldwide
- 3 of the Top 10 Insurance Firms
- 3 of the Top 10 U.S. Health Care Firms
- 3 of the Top 10 Pharmaceutical Firms
- 2 of the Largest Telecommunications Firms

Government agencies in the United States, United Kingdom, Canada, Australia, and beyond

About CipherCloud

CipherCloud, a leader in cloud security, provides an award-winning cloud security platform delivering powerful end-to-end protection for data resident in the cloud, threat prevention, visibility, and compliance for enterprises to adopt cloud with confidence. Uniquely, CipherCloud provides the deepest levels of data protection in real-time to provide an immediate solution for challenging cloud security and compliance requirements. The world’s largest global enterprises and government institutions in over 25 countries protect and secure their cloud information with CipherCloud.

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