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DATASHEET

BrightCloud™ Cloud Service Intelligence

Identify and manage interactions with authorized and shadow cloud services and applications

Cloud transitions bring new security and compliance challenges

Organizations face numerous security and compliance challenges as they entrust more of their applications and confidential information to cloud services. They must control access to workloads and data stores out of their direct supervision. They need to identify and monitor interactions with unsanctioned "shadow IT" applications and ensure that these don't violate corporate policies. They are also required to maintain compliance with government and industry standards concerning the security and privacy of protected information. Failure in any of these areas can lead to costly data breaches and severe fines.

Cloud Access Security Broker (CASB), Security Service Edge (SSE), Secure Access Service Edge (SASE), and other network and security technologies help organizations address cloud service risks, enforce security policies, and evaluate compliance with regulations. However, these solutions can't perform to their full potential without comprehensive cloud service intelligence. They need to know what cloud applications and services can be trusted, and how users are interacting with both approved and unsanctioned cloud resources.

Solution: BrightCloud Cloud Service Intelligence

BrightCloud Cloud Service Intelligence enables technology and security providers to enforce data-centric security policies that mitigate the risk of interactions with cloud services and associated applications. It enables security solution providers and their customers to monitor when and how users access cloud services, assess the risks of interacting with those services, and flag interactions that violate policies and regulations.

BrightCloud Cloud Service Intelligence has three components:

- **Cloud Application Classification**–Classifies each cloud application based on its type and purpose.
- **Cloud Application Function**–Identifies important actions undertaken by users within supported applications, such as data uploads and downloads.
- **Cloud Application Reputation**–Assigns a heuristic-based score to every cloud application representing the reputation of the application provider and the relative safety of data and information managed by that provider.

The cloud application reputation score is calculated based on criteria such as application and data security, corporate governance, industry compliance and certifications, and history of security breaches. The score also incorporates BrightCloud's Domain Safety Score, a technology that assesses the cybersecurity risk to users and networks from visiting a domain. This score is a unique capability that helps address issues with HTTPS encrypted traffic that limits visibility at the webpage level. It allows organizations to better identify malicious content hiding within benign domains, even when traffic from the domain uses encrypted HTTPS.

Key Benefits

- Ability to assess cloud application risks to better set up and enforce appropriate policies for access and use
- Better risk management through discriminating reputation scores
- Capability to uncover malicious content hiding within encrypted and benign domains through BrightCloud's unique Domain Safety Score
- Improved data loss prevention and data discovery based on intelligence regarding cloud application reputation and use patterns
- Better monitoring of data use and movement throughout the organization

Using BrightCloud Cloud Service Intelligence, security solution providers and their customers can:

- Identify traffic associated with each cloud application
- Distinguish between approved and unsanctioned cloud applications
- Classify cloud applications and control access by their category
- Track and govern specific actions being performed on cloud applications
- Assess the risk to information security of cloud applications based on governance, compliance, and security metrics

Typical Use Cases

Organizations often use BrightCloud Cloud Intelligence Service to:

- Monitor network bandwidth directed toward different cloud applications
- Enforce access policies by application
- Identify and categorize unsanctioned ("shadow IT") applications to determine new access policies
- Enforce tailored policies for unsanctioned applications and inappropriate activities
- Enforce policies for moving data across and within cloud applications
- Track abnormal activity related to cloud applications (e.g., excessive downloads)

Easy Integration

Using BrightCloud's RESTful API and comprehensive SDK, technology partners can easily integrate our services into their solutions. BrightCloud Cloud Service Intelligence integrates with existing security solutions through the same SDK as other BrightCloud offerings, making integration of multiple services simple.

When combined with Web Classification and Reputation and other BrightCloud® services, Cloud Service Intelligence offers a complete operational threat intelligence solution that addresses the security and compliance challenges facing online organizations.

Contact us to learn more

BrightCloud.com

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Categories for Cloud Application Classification

- Cloud file sharing
- Social networking
- Webmail
- Instant messaging
- Office document and productivity
- Streaming media
- Web meetings
- IT services and hosting
- Sales and CRM
- Website builder
- Security
- Marketing
- Development Tools
- Data Analytics
- Project Management
- Human capital management
- E-Commerce
- Accounting
- Generative AI

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