
# Detect, Analyze, and Manage Cloud Services in the Enterprise

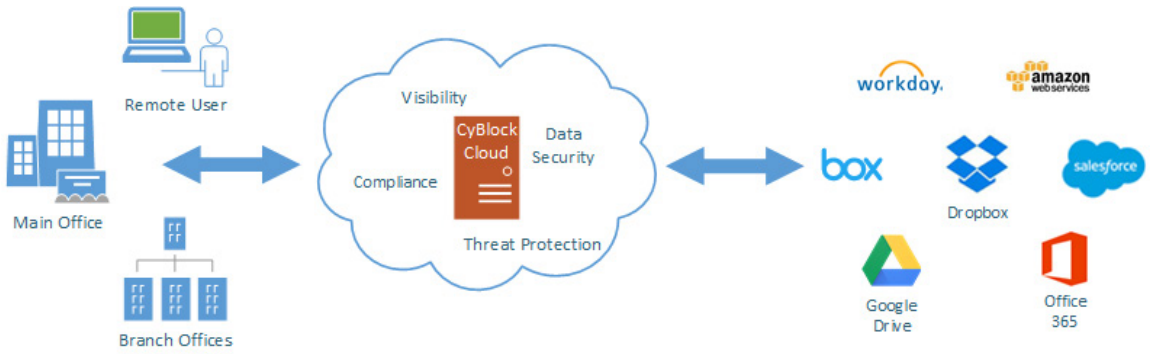
Today, as cloud adoption in the enterprise continues to grow, organizations need a way to enable cloud applications and services for employees to remain productive, while ensuring data security and compliance. Business processes are changing where IT departments are migrating to cloud services to benefit from faster time to market, lower total cost of ownership, and more efficient operations. At the same time and often without IT support, employees are deploying cloud applications that help them do their jobs more quickly, easily, and with more flexibility. However, not all employee-introduced cloud services are sanctioned or even known to the IT department resulting in shadow IT.

Enterprises need visibility into and control of the cloud applications and services that employees are using. They may want to configure and enforce policies regarding how users consume cloud applications to manage shadow IT. It would be to the enterprise's advantage to know which cloud services are in use in the organization, who is using them, and what kinds of risks are being introduced into the organization.

According to a recent cloud adoption report, the average company uses 162 collaboration services, 51 development services, 49 file sharing services, 42 content sharing services, and 30 social media services. The average employee uses 28 cloud services, including 7 collaboration services, 3 file sharing services, 4 content sharing, and 4 social media services. Unfortunately, the average employee's online activity is tracked by 4 different tracking services, such as advertising and marketing, which are prone to attacks targeting the Web sites that employees visit.

Providing a number of cloud service categories, CyBlock categorizes your cloud applications and services and allows you to assess their usage through cloud service reporting. Using CyBlock's Cloud Access Security Broker (CASB) solution to consolidate multiple types of security policy enforcements, you can monitor and control all your cloud services from a central point. The CASB solution is easily deployed through CyBlock Software, CyBlock Appliance, CyBlock Cloud, or CyBlock Hybrid.

With the CASB solution, cloud services in use are identified, and your organization is now in a position to determine which cloud services to keep, which to completely block, and which are desirable, but not enterprise-ready. CyBlock allows the organization to attain visibility, compliance, data security, and threat protection for the cloud services that the enterprise is consuming.




*CyBlock Cloud CASB Solution*

## The CyBlock Approach

### Advanced Web Filtering

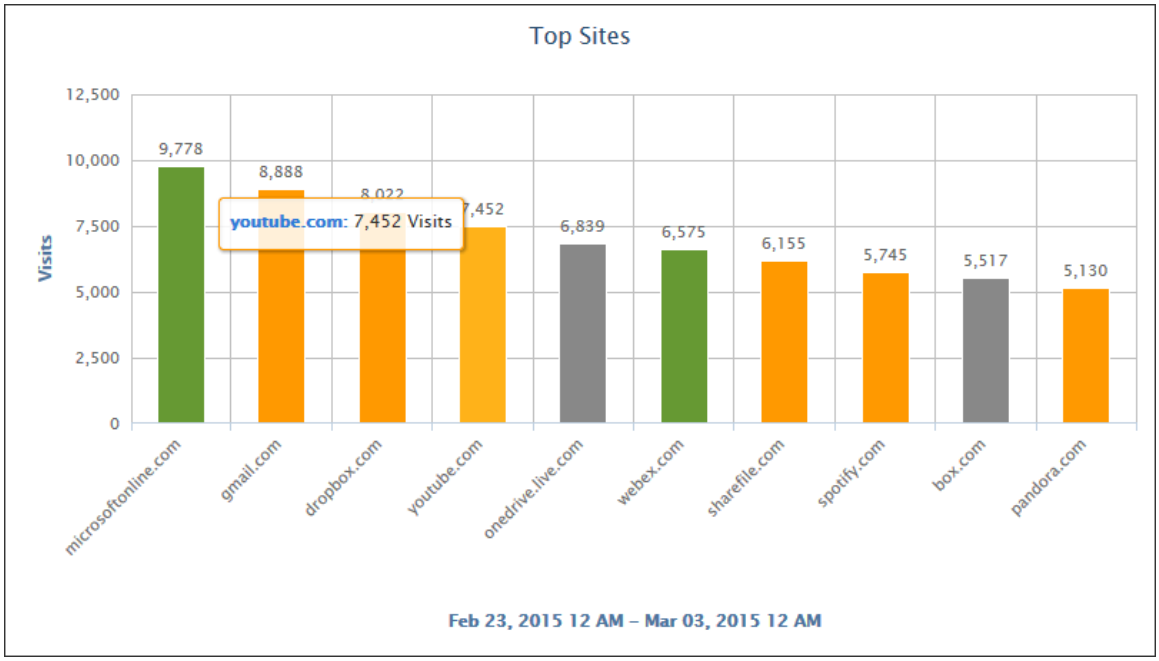
Along with 70-plus standard content categories and an unlimited number of custom categories, CyBlock provides cloud service categories, such as Audio Streaming, Cloud Infrastructure, Cloud Storage, Collaboration, CRM, Development, File Sharing, HR, Personal E-Mail, Video Streaming, and VoIP Services. Using CyBlock's advanced Web filtering, the IT department is able to block cloud applications and services in these cloud service categories as necessary. Employees can be allowed access to sites in blocked cloud service categories by bypassing the blocking action with coaching.

### Bandwidth Management

With CyBlock's Bandwidth Management feature, enterprises keep mission-critical cloud services running smoothly by prioritizing network traffic and ensuring the availability of bandwidth for those critical cloud applications. A cloud service category deemed nonessential, such as Video Streaming or Audio Streaming, can be blocked or its bandwidth can be capped, limiting employees' noncritical data usage. With tiered-threshold capability, the enterprise is able to implement several policies being as restrictive as necessary based on the amount of bandwidth being consumed.

### Cloud Service Reporting

The cloud services being consumed the most are quickly viewed in Dashboard charts, and in more detail in cloud services reports. The Top Categories chart shows the top ten categories that had the most visits or used the highest amount of bandwidth. The Top Sites chart allows you to quickly find out which ten sites had the most visits or used the most bandwidth for a time period you specify. The Category Trend chart lets you pinpoint the usage of a cloud service category over time to help you detect noncompliant behavior and anomalies.




*Top Cloud Service Sites Chart*

Cloud services reports are available to allow management to analyze cloud usage to identify security breaches, compromised user accounts, and insider threats. The Cloud Services Detail report shows the specific URLs of cloud services accessed by user. The report provides management with a complete and concise view of every cloud service URL the user has clicked. This information can be used for cloud usage audits, identifying the most active users and the most heavily visited sites.

The Cloud Services Summary report is a high-level report and shows the number of visits to sites in the cloud service categories by category and by user. The report can be used to identify cloud service usage patterns to enable new cloud services, better manage cloud subscriptions, and highlight abnormal activity. It can be used to reduce the risk posed by both approved and unapproved cloud services, enabling the safe and cost-effective implementation of cloud services.

## Conclusion

An organization cannot manage what it cannot see. Without visibility into your organization's cloud service usage, you may be risking security, allowing leaks of sensitive data, and reducing efficiency. CyBlock makes it easy and efficient to continuously discover and categorize all cloud applications being accessed in your organization, identify risk, and analyze usage of your network resources with its cloud service categories and reporting. It enables organizations to enforce their security policies for both corporate-sanctioned and employee-introduced cloud services with data loss prevention, contextual access control, and activity monitoring.

IT must play an enablement role in order to stay relevant and in control of cloud services being used in the enterprise. With CyBlock's CASB solution placing security policy enforcement points between employees and cloud applications to combine and interject enterprise security policies as cloud resources are accessed, the organization can meet security, compliance, and governance requirements while safely adopting cloud services. Let CyBlock help you quickly expose cloud services in use, analyze what is right for you as a company, and take control of your enterprise.

## About Wavecrest Computing

Since 1996, Wavecrest Computing has provided business and government clients with reliable, accurate employee Web-access security, monitoring, and analytics solutions. IT specialists, HR professionals, and business managers trust Wavecrest's Cyfin and CyBlock products to manage employee Internet usage with today's distributed workforce in mind–monitoring VPN use, following roaming and remote users, managing and monitoring Web usage for hybrid work environments, comprehensive reporting on Microsoft 365 use, and more. Focused on our customer's needs–reducing liability risks, improving productivity, managing cloud services, saving bandwidth, and controlling costs.

Wavecrest has clients worldwide, including Canadian National Railway, Johns Hopkins, Goodyear, USPS Office of Inspector General, Chevron, Health Choice Network, and a growing list of enterprises and government agencies. For more information on our company, products, and partners,visit www.wavecrest.net.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