

Cisco Cloudlock App Discovery for WSA

Visibility into Shadow IT to Enable Secure Cloud Adoption

Shadow IT

You can't enable, manage and secure what you can't see

Organizations, departments, and individual users are all embracing the cloud and leveraging new apps to help improve productivity but the majority of new apps are being adopted without any involvement from IT or Security. This results in a big shadow IT challenge with the typical organization accessing thousands of cloud apps that IT isn't aware of. The lack of a coordinated cloud enablement strategy typically leads to a broad set of productivity, expense, security and support issues. Organizations need full visibility into cloud activity, app and vendor details, usage trends, and risk profiles to enable cloud adoption in a secure and organized fashion.

How Cisco Cloudlock helps

- Enables the simple ingest of WSA logs for shadow IT analysis
- Provides on-going visibility into cloud application use
- Reveals key vendor and application details
- Evaluates the risk level of each discovered application
- Exposes app usage by category and overall risk level

Key features

- **Simplified integration with WSA:** There is an automated log field selection process to facilitate the connection between WSA and Cisco Cloudlock App Discovery.
- **Cloud app security index:** A repository of 14,000 cloud apps and 1 million URLs which includes detailed information on vendors and apps. This enables accurate app identification and provides additional vendor, category, and app details to help with sanctioning decisions.
- **Cloud app risk profile:** Custom research from the Cisco Cloudlock CyberLab team and 3rd party app risk evaluation metrics are used to create a broad set of risk attributes. The attributes are grouped to assess the business, compliance, and usage risk and then rolled up to generate an overall score.
- **Dashboard/app detail reports:** The dashboard provides a set of data which enables Security, IT, and business leaders to see key updates, app status and trend information. Drill down app reports provide deeper information on the vendor, app, and usage trends.

True visibility is more than just app identification

The first step is identifying the full spectrum of apps and services that are in use in your organization, but that isn't enough. You need to understand who the vendor is, what the app does, how many users are accessing it, and what level of risk it represents.



Highlights

- Cloud usage summary dashboard with point & click drill downs
- App category roll-up reports for awareness and optimization
- App specific risk profiles including certification status to limit exposure

Why Cisco Cloudlock

- **Unique breadth and depth of shadow IT visibility.** Cisco Cloudlock App Discovery provides a complete view of apps accessed via the network and the Cisco Cloudlock Apps Firewall detects and controls OAuth connected apps. Together this full visibility across all managed and unmanaged cloud activity provides the insight necessary to enable intelligent cloud adoption while minimizing risk.
- **Cloud native.** Cisco Cloudlock is a simple to use, automated, cloud-native solution that deploys quickly, delivers immediate value, and has zero impact on end users.
- **Cisco ecosystem.** Cisco provides an integrated, architectural approach to cloud security with unmatched vendor viability.

Problems we solve

Leveraging WSA log files for Shadow IT visibility

Cisco provides in-product integration between WSA and Cloudlock. From the WSA user interface you can easily setup WSA for ongoing log transfer to the Cloudlock App Discovery solution. Cisco Cloudlock App Discovery supports both an aggregated view of data from multiple WSA devices and a more targeted view of data from a specific device.

Sanctioning the unsanctioned

With hundreds of apps in use and new ones being adopted on a regular basis, organizations need an automated way to group apps by category, view key vendor and app details, and compare risk elements and compliance certifications. All of this insight is required for IT and Security leaders to make informed sanctioning decisions about cloud apps currently in use.

Enabling healthy and efficient cloud adoption

Users are aggressively adopting cloud applications to improve collaboration and productivity. This activity should be enabled and encouraged due to the many benefits, but organizations need the ability to monitor cloud app usage on an ongoing basis and compare vendors and apps to provide guidance. Armed with a list of sanctioned and unsanctioned apps, leaders can intelligently manage the volume of cloud apps in use and help enable end users that are trying to make decisions about new apps.

Use cases



Gain visibility of cloud app and service usage across the entire network from WSA logs



Identify high risk apps in your environment and block them with WSA URL blocking



Evaluate the risk level of each app with a combination of vendor and app specific attributes



Use category based reports, usage data and risk scores to make optimization, and sanctioning decisions



Monitor all apps for compliance certification status to reduce risk



Monitor usage across existing apps and detect new apps to manage cloud adoption