



5 Benefits of Microsoft Cloud App Security

Description

Migrating to the cloud and keeping all your corporate data security is always a big challenge. Many companies do not migrate to the cloud just because it is vulnerable. If you are still not on the cloud it does not mean your data is secure as your employees are already using multiple cloud services i.e. for socializing, for ticketing and many other things. So, it means they are also accessing their cloud application using corporate workstations and that is a threat. The main challenge arises when you want to protect your data and keep an eye on all the apps running on your workstations even on cloud services.

To answer all the concerns of companies regarding their data security, Microsoft brings Cloud apps security. It provides you complete visibility into every activity happening in your organization.

Microsoft Cloud App Security (CAS):

Microsoft Cloud Apps Security natively integrates with leading Microsoft solutions and is designed with security professionals in mind. It provides simple deployment, rich visibility, centralized management, sophisticated analytics and innovative automation capabilities for cloud applications.

Shadow IT Discovery

In Shadow IT discovery CAS Identify the cloud apps, IaaS, and PaaS services used by your organization. Investigate usage patterns, assess the risk levels and business readiness of more than 16,000 SaaS apps against more than 80 risks. Start managing them to ensure security and compliance.

Information Protection

Understand, classify, and protect the exposure of sensitive information at rest. Leverage out-of-the box policies and automated processes to apply controls in real-time across all your cloud apps.

Threat Protection

Detect unusual behavior across cloud applications to identify ransomware, compromised users or rogue apps, analyze high-risk usage and remediate automatically to limit the risk to your organization.

Compliance Assessment

Assess if your cloud applications meet relevant compliance requirements including regulatory compliance and industry standards. Prevent data leaks to non-compliant apps, and limit access to regulated data.

Information Protection

Understand, classify, and protect the exposure of sensitive information at rest. Leverage out-of-the box policies and automated processes to apply.

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Security

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It can identify all office 365 apps and more than 16,000 other apps that employees are using in your organization, CAS evaluates every apps with 80+ risk factors and starts managing them to ensure security and compliance. The assessment of each app is particularly crucial – a study of 33,000 apps revealed less than 1% had the built-in security requirements for regular business use and 39% were not suitable for business use at all.

Here is an example how CAS collect logs from firewalls and proxies and shows you which user is using SaaS app and the amount of data downloaded or uploaded from your workstations:

Cloud Discovery

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You can see that 1.6GB of data is used on social network. We can also go into the details to get information about the which application's are being used and also get the details of the user.

Cloud App Security

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In the screenshot above you can see the details of social application where the data is being used now if we click on the application, we will get the details about users and how much data have been passed through your organization network.

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You can also check how much data is transmitted through risky apps and you can also check the details of the users who are using these apps.

Cloud App

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Apart from getting log details from firewalls we can also connect other cloud platforms to the Cloud App

Security if you are using EMS E5 license or Microsoft 365 E5 license. The screenshot below shows how many other cloud platforms you can integrate with Cloud App Security.

Cloud App Security Dashboard

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Currently we are connected to Office 365 and Microsoft Azure in this tenant.

You can see the activity log of the users who are in cloud. For example, their location, IP address, what they did on the cloud and on which devices they are using corporate data.

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Cloud App Security Dashboard

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Cloud App Security also provides you deep insights about the activity of the user with corporate files/folders.

Cloud App Security Dashboard

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If we click on any folder/files it gives us details about:

- Owner of the file
- File creation date
- Last edited date
- Policies

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Cloud App Security also provides the ability to create policies for your corporate data. You can also create conditional access policies in Cloud App Security for the office 365 users apart from the conditional access policies in Azure AD. There are already different templates already available to help you create new policies from the scratch.

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Cloud App Dashboard

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Author

awais

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