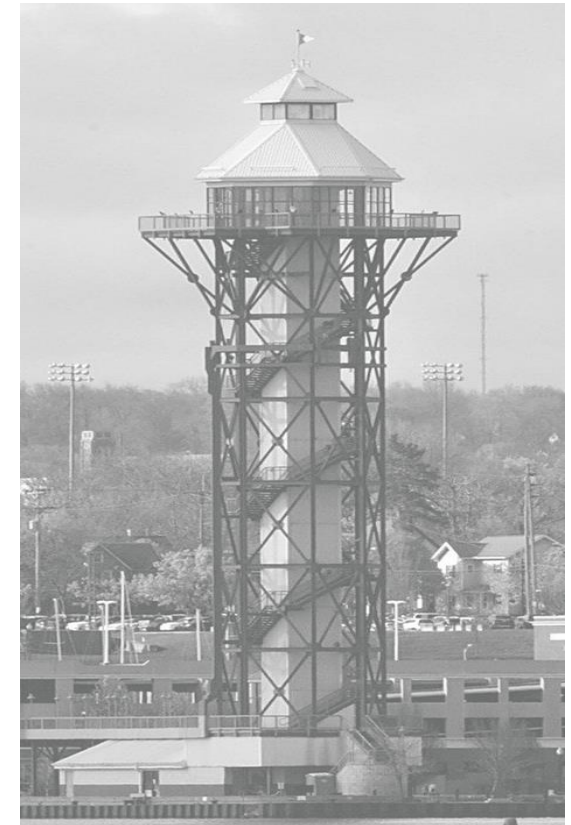


USAISEC Virtual Tech Summit

Safely Enable Cloud and SaaS



March 2021
Scott Montgomery, CTO



Port Erie Bicentennial Tower

WHAT'S YOUR MISSION?

Assess & enable cloud usage, 'Shadow IT'

My Dashboard > Cloud Registry > Services

Filters Views Search Services 2,702 Services

Service Group: Unassigned (2.6k), Non-sanctioned-cloud... (65), High Risk Services (58), High-risk-cloud-storage (14), Legal Risk (11), Blocked-services (8), Undesirable-cloud-sto... (7), Permitted-services (6)

Permission Type: Allowed (2.7k), Denied (54)

Custom Service Attributes: Select an attribute

Risk Attributes: Risk Type, Status, Service Category, Email, User Name

Risk	Service Name	Category	Service Group(s)	Users	Upload Activities	Requests	Upload Data	Inbound Data	Outbound Data	Allowed Denied Requests
3	Microsoft Office 365 ar	Cloud Storage	Sanctioned-services	978	488.6 k	5.5 m	2.3 tb	1.5 tb	2.4 tb	5.5 M 8
2	Box	Cloud Storage	Sanctioned-services	1,032	155.7 k	7.4 m	2.2 tb	3.3 tb	2.2 tb	7.4 M 83
5	Microsoft Exchange On	Collaboration	Sanctioned-services	835	1.3 m	18.7 m	301.2 gb	3.3 tb	548.8 gb	18.7 M 0
8	The Pirate Bay	Content Sharing	High Risk Services	2	852	1,037	97.4 gb	9.6 mb	97.4 gb	1,037 0
3	Dropbox	Cloud Storage	Permitted-services	457	25.3 k	318.4 k	27.3 gb	251.2 gb	28.4 gb	318.2 K 189
3	Amazon S3	Cloud Storage	Non-sanctioned-clou	967	2,378	547.9 k	21.3 gb	255.8 gb	21.8 gb	547.2 K 700
6	YouTube	Content Sharing	Unassigned	1,006	20.6 k	1.8 m	19.1 gb	2. tb	26.1 gb	1.8 M 36
4	Evernote	Collaboration	Blocked-services. M	245	540.1 k	1.2 m	15.4 gb	34.9 gb	16.9 gb	1.2 M 0
7	Sendspace	Cloud Storage	High-risk-cloud-stor	15	101	2,261	10.7 gb	1.3 gb	10.7 gb	1,649 612
5	Facebook	Social media	Unassigned	1,015	118 k	4 m	9.4 gb	801 gb	42.5 gb	4 M 17
7	Bilder-Upload	Content Sharing	High Risk Services	2	253	385	8 gb	19.8 mb	8 gb	385 0
4	Apple Developer	Development	Unassigned	294	2,087	38.7 k	7.2 gb	182.9 gb	7.2 gb	38.7 K 0
3	NetDocuments	Collaboration	Unassigned	6	7,508	58.9 k	5.4 gb	775 mb	5.6 gb	58.9 K 0
6	Google Play Music	Media	Unassigned	748	109 k	867 k	4 gb	5.1 gb	5.9 gb	867 K 0
6	Netflix	Media	Unassigned	320	68.1 k	998.6 k	3.7 gb	1.9 tb	4.8 gb	998.6 K 6
4	Vimeo	Content Sharing	Unassigned	739	3,073	55.7 k	3.6 gb	524.5 mb	3.8 gb	55.7 K 0
5	Google Hangouts	Collaboration	Unassigned	609	14.4 k	101.4 k	2.7 gb	4.2 gb	3 gb	101.4 K 0

15 number of cloud apps IT believes are used today

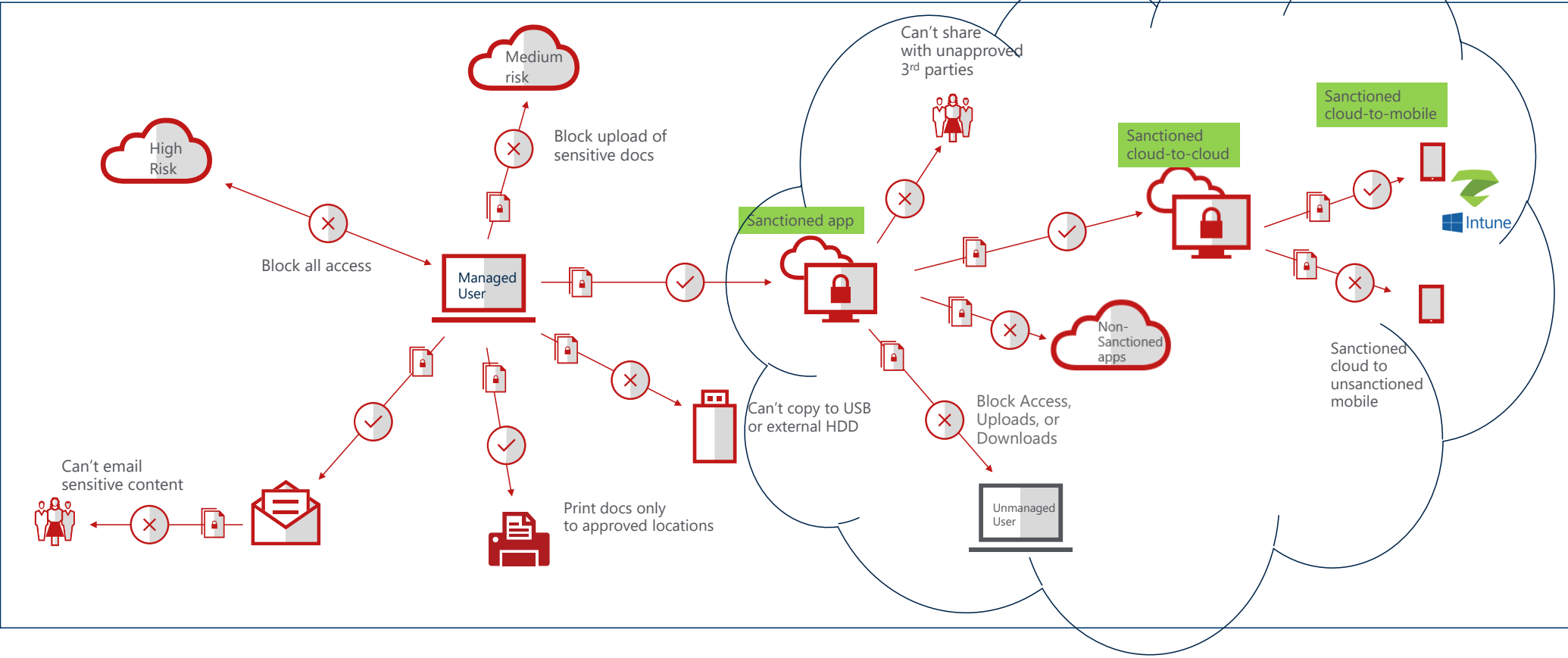
1,935 the actual number of cloud apps in use by an average organization

9% of shadow IT services in use are high risk

[2019 McAfee Cloud Adoption Risk Report](#)

Get a free assessment of existing cloud usage – sanctioned or not

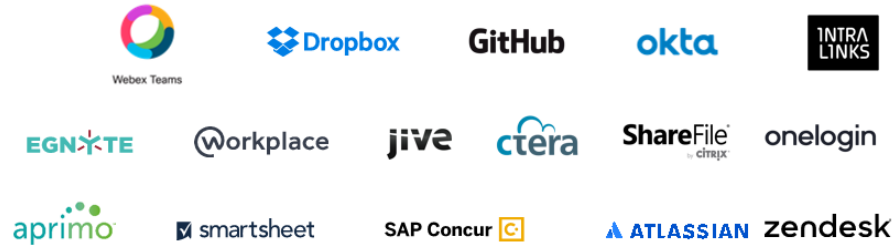
Regulate cloud-cloud and cloud-device data



Enable users to support mission while protecting organizational data

CSPs and SaaS will grow immensely

Long Tail SaaS API – CASB Connect




IaaS/PaaS API



Enterprise SaaS- API, Reverse Proxy

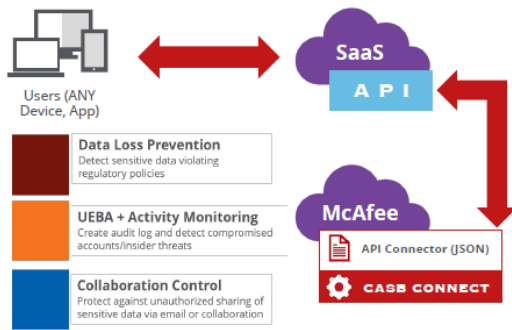


- ✓ One platform with unified polices across cloud services
- ✓ Real time
- ✓ No new agents
- ✓  **FedRAMP**
- ✓ [Authorized \(High\)](#)
First and only in industry
- ✓ Complete coverage:
 - Data at rest
 - Data uploaded
 - Data downloaded
 - Data created in cloud
 - Standard apps
 - Certificate pinned apps
- ✓ Integrate custom and GOTS apps

Enable more apps, enable custom apps, protect data in cloud-to-cloud transfers

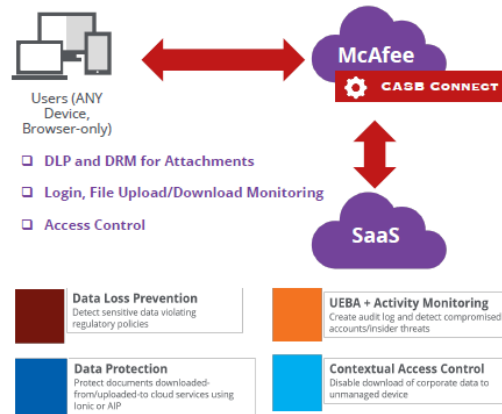
Ensure coverage for custom/GOTS apps

CASB CONNECT API



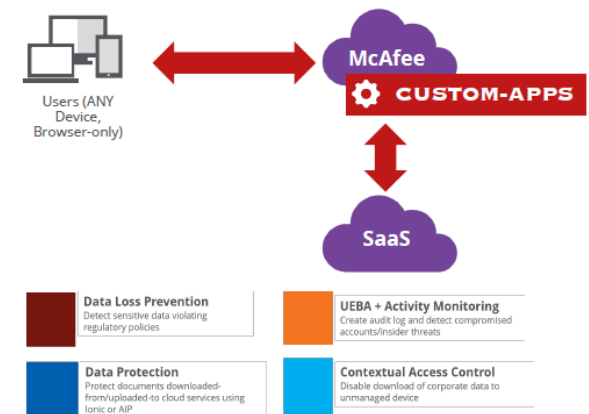
- ❑ A framework to rapidly build API integration by writing simple JSON connector files
- ❑ Developer platform enabling third party cloud application providers to build integration with McAfee MVISION Cloud
- ❑ Who builds API connectors
 - ❑ Cloud Service Providers
 - ❑ McAfee Engineering

CASB CONNECT INLINE (REVERSE PROXY)



- ❑ DLP and DRM for Attachments
- ❑ Login, File Upload/Download Monitoring
- ❑ Access Control
- ❑ Reverse proxy based framework to support use cases such as DLP, Activity Monitoring, and Access Control for ANY SaaS application **out-of-the-box**
- ❑ No development/engineering work required
- ❑ McAfee has to validate and officially certify the SaaS application before it can be deployed by customers
- ❑ Test environment required

CUSTOM APPS (REVERSE PROXY)



- ❑ Reverse proxy based framework to generate signatures and activity mappings for any custom cloud application by using a plug-in or by running the application under learning mode
- ❑ Professional Services team to be involved in creating the mappings using custom-apps framework
- ❑ No upfront validation/verification required from McAfee

Ensuring that custom apps supporting mission can be protected like any other SaaS



WE AWAIT YOUR FEEDBACK AND
WE'RE READY FOR THE CALL TO ACTION

WHAT'S YOUR MISSION?