

# McAfee MVISION Cloud for Office 365

McAfee® MVISION Cloud for Office 365 helps organizations securely accelerate their business by providing total control over data and user activity in Office 365

## Key Use Cases

### Enforce sensitive data policies across Office 365

Prevent sensitive data that cannot be stored in the cloud from being uploaded to or created in Office 365.

### Build sharing and collaboration guardrails

Prevent sharing of sensitive or regulated data in Office 365 with unauthorized parties in real-time.

### Limit download/sync to unmanaged devices

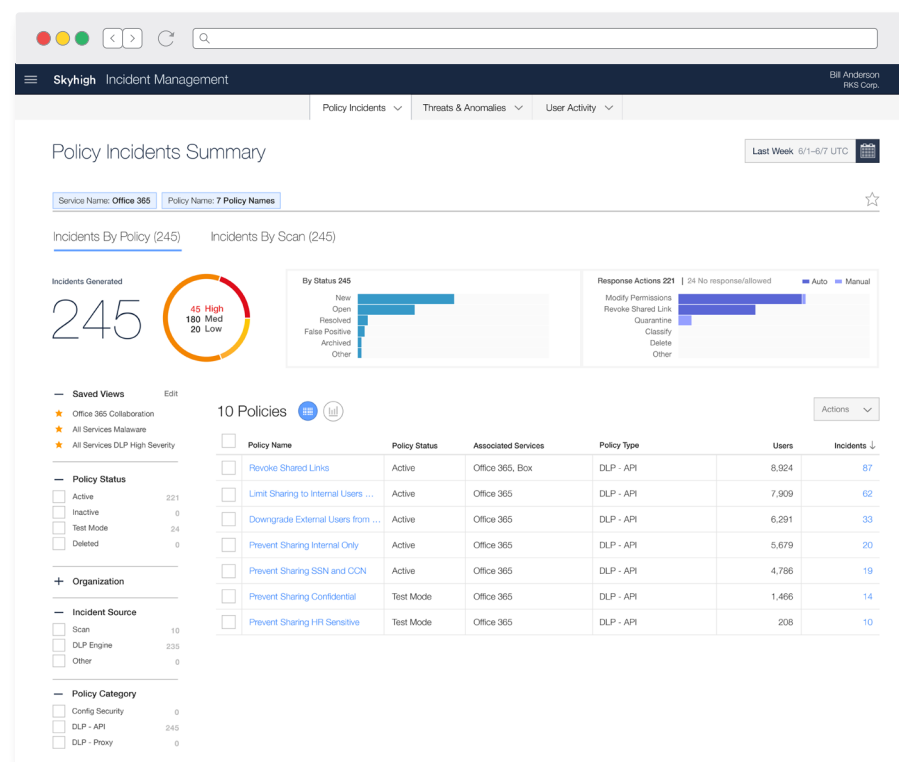
Gain total control over user access to Office 365 by enforcing context-specific policies limiting specific end-user actions.

### Perform forensic investigations with full context

Capture a complete audit trail of all user activity enriched with threat intelligence to facilitate post-incident forensic investigations.

### Detect and correct user threats and malware

Detect threats from compromised accounts, insider threats, privileged access misuse, and malware infection.



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### Data Loss Prevention (DLP)

Prevent regulated data from being stored in Office 365. Leverage McAfee's content analytics engine to discover sensitive data created in or uploaded to Office 365 based on:

- Keywords and phrases indicative of sensitive or regulated information
- Pre-defined alpha-numeric patterns with validation (e.g. credit card numbers)
- Regular expressions to detect custom alpha-numeric patterns (e.g. part numbers)
- File metadata such as file name, size, and file type
- Fingerprints of unstructured files with exact and partial or derivative match
- Fingerprints of structured databases or other structured data files
- Keyword dictionaries of industry-specific terms (e.g. stock symbols)

“McAfee's Cloud-Native Data Security technology is helping Caesars Entertainment protect our valuable company data as we move from legacy applications to cloud applications.”

—Les Ottolenghi, Executive Vice President and CIO, Caesars Entertainment

### DLP remediation options:

- Notify the end user
- Notify an administrator
- Quarantine the file
- Delete the file

The screenshot displays the Skyhigh Incident Management console. The main view shows a table of 62 incidents for the policy 'Limit Sharing to Internal Users and Trusted Partners'. The table columns include Severity, Policy Name, Policy Type, Service, and User. A detailed view of a specific incident (ID: 21564) is shown on the right, indicating a match for 'Q1\_Plan.xlsx' in OneDrive, with a severity of High and a response of 'Modify Permissions'.

Sev	Policy Name	Policy Type	Service	User	Status
H	Limit Sharing to Internal...	DLP	Office 365	angela.harris@rks.com	Ne
H	Limit Sharing to Internal...	DLP	Office 365	sam.davis@rks.com	Op
H	Limit Sharing to Internal...	DLP	Office 365	chris.grove@rks.com	Op
H	Limit Sharing to Internal...	DLP	Office 365	randy.heston@rks.com	Op
M	Limit Sharing to Internal...	DLP	Office 365	bruce.winston@rks.com	Ne
M	Limit Sharing to Internal...	DLP	Office 365	lennon.nicke@rks.com	Ne
M	Limit Sharing to Internal...	DLP	Office 365	nolan.sargent@rks.com	Op
M	Limit Sharing to Internal...	DLP	Office 365	monica.bonbow@rks.com	Ne
M	Limit Sharing to Internal...	DLP	Office 365	rian.sydney@rks.com	Ne
M	Limit Sharing to Internal...	DLP	Office 365	calvin.berry@rks.com	Ne
M	Limit Sharing to Internal...	DLP	Office 365	am.ward@rks.com	Op

**DLP Policy Incident (#21564)**  
Limit Sharing to Internal Users and Trusted Partners  
1 match was found on the file **Q1\_Plan.xlsx**, that was shared in OneDrive. Action taken was **Modify Permissions**.

ID: 21564  
Severity: High  
Service: OneDrive  
Activity: Add Collaborators  
Incident Date: June 2, 2016 8:42 AM UTC  
Last Updated: June 2, 2016 8:42 AM UTC  
Last Response: None taken

Owner: Unassigned  
Response: Select Response  
Status: Open

User Details: User: chris.grove@rks.com  
3 Custom Attributes: Role: Sr. Finance Manager, Profile: End User, Department: Finance

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### Collaboration Control

Prevent sharing of sensitive data with unauthorized parties via OneDrive/SharePoint Online file and folder collaboration, as well as Exchange Online in real-time.

#### McAfee can enforce secure collaboration based on:

##### Files/folders



- Content
- Internal users/user groups
- Approved business partners
- Personal accounts (e.g. gmail.com)
- Links open to the internet
- Links accessible to internal users

##### Email



- Content
- Internal users
- Approved business partners
- Personal accounts (e.g. gmail.com)

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“We use McAfee to layer security controls like data loss prevention and access control so that the easy path to collaboration is also the secure path.”

—Tim Tompkins, Senior Director of Security Innovation, Aetna

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#### Common collaboration policies McAfee can enforce:

- Prevent file/folder permissions that are open to the internet or the entire company
- Revoke shared links that can be forwarded and accessed by anyone with the link
- Block file/folder sharing with personal email accounts
- Limit file/folder collaboration to internal users or whitelisted business partners
- Remove excessive owner/editor permissions of external users on corporate data
- Prevent sending sensitive data via email to external or unauthorized recipients

#### Remediate collaboration policy violations through:

- Revoking a shared link
- Downgrading permissions to view/edit
- Removing access permissions
- Blocking delivery of an email
- Notifying the end user in Office 365

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### Access Control

Protect corporate data from unauthorized access by enforcing granular, context-aware access policies such as preventing download of sensitive data from Office 365 to unmanaged devices.

#### Control access to Office 365 based on:

- Device type (e.g. managed, unmanaged)
- Activity type (e.g. download, upload)
- Specific user (e.g. David Carter)
- User attributes (e.g. role, department)
- IP address range (e.g. network, proxy)
- Geographic location (e.g. Ukraine)

#### Enforce granular access policies such as:

- Allow/block access to Office 365
- Allow/block specific Office 365 user actions
- Force step-up authentication

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“We now have the visibility and control we need to be able to allow access to the cloud-based tools our employees need to be competitive and efficient, without compromising our security standards.”

—Rick Hopfer, Chief Information Officer, Molina Healthcare

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The screenshot displays the Skyhigh Policy Management interface. At the top, there's a navigation bar with 'Skyhigh Policy Management' and a user profile 'Ajmal Kohgadiali shridemo'. Below this is a menu with options like 'Access Control', 'DLP Policies', 'Encryption Policy', 'Configuration Audit', 'On-Demand Scan', 'User Lists', and 'Policy Settings'. The main content area is titled 'Cloud Access Policies' and includes a 'Create Policy' button. A table lists various policies with columns for Name, IP, Microsoft Office 365 and OneDrive, Salesforce.com, Box, Unmanaged, THEN, Step-Up Authentication, and On. A detailed view of a policy is shown on the right, titled 'Allow full access for managed - limited access for unmanaged', with a toggle switch set to 'ON' and a 'Monitor only mode' checkbox. It also shows 'Version: 5', 'Last Updated: December 12, 2017 1:59 AM', and 'Updated by: Omar Rafiq'.

Name	IP	Microsoft Office 365 and OneDrive	Salesforce.com	Box	Unmanaged	THEN	Step-Up Authentication	On	
Allow full access for managed - limited access for unmanaged	IP	Microsoft Office 365 and OneDrive	Salesforce.com	Box	Unmanaged	THEN	Step-Up Authentication	On	
Salesforce Block report download	IP	Salesforce.com	Unmanaged	IOS		THEN	Block Access	Off	
Personal devices blocked from download (read only access)	IP	Unmanaged	Microsoft Office 365 and OneDrive	Download		THEN	Block Access	Off	
Block Upload to Permitted Service	IP	Slack	Upload			THEN	Block Access	Off	
Access control for unmanaged devices	IP	Salesforce.com	ServiceNow - Demand Management	Unmanaged		THEN	Block Access	On	
Limit downloads for unmanaged	IP	Microsoft Office 365 and OneDrive	Salesforce.com	Box	Unmanaged	Download	THEN	Block Access	On
ServiceNow - No Download on BYOD	IP	Unmanaged	Download			THEN	Block Access	Off	
Managed device	IP	Managed				THEN	Tag for DLP Policy	Off	
Service Now Block all downloads	IP	ServiceNow - Demand Management	Download			THEN	Block Access	On	

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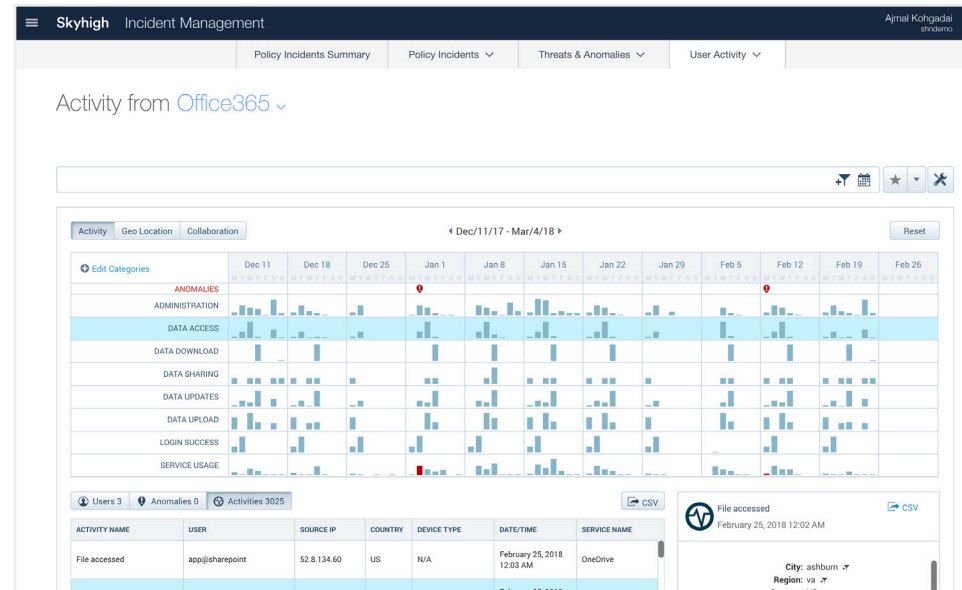
### Activity Monitoring

Gain visibility into Office 365 usage and accelerate post-incident forensic investigations by capturing a comprehensive audit trail of all activity. McAfee captures hundreds of unique activity types and groups them into 14 categories for streamlined navigation. With McAfee, organizations can monitor:

- Who is accessing Office 365, their role, device type, geographic location, and IP address
- How much data is being shared, accessed, created or updated, uploaded, downloaded, or deleted
- Successful/failed login attempts
- User account creation/deletion as well as updates to accounts by administrators

### Drill down further into activity streams to investigate:

- A specific activity and all its associated users
- All activities generated by a single user
- All activities performed by users accessing via TOR or anonymizing proxy
- All activities generated by a specific source IP address or geographic location
- All access of and actions performed on a file containing sensitive data



## DATA SHEET

### User Behavior Analytics and Malware Detection

McAfee uses data science and machine learning to automatically build models of typical user behavior and identifies behavior that may be indicative of a threat.

- **Insider threats:** Detect anomalous behavior across multiple dimensions including the amount of data uploaded/downloaded, volume of user action, access count, and frequency across time and cloud services.
- **Compromised accounts:** Analyze access attempts to identify impossible cross-region access, brute-force attacks, and suspicious locations indicative of a compromised account.
- **Privileged user threats:** Identify inappropriate user permissions, dormant accounts, and unwarranted escalation of user privileges and provisioning.
- **Malware:** Block known malware signatures, sandbox suspicious files, and identify behavior indicative of malware data exfiltration or ransomware activity.

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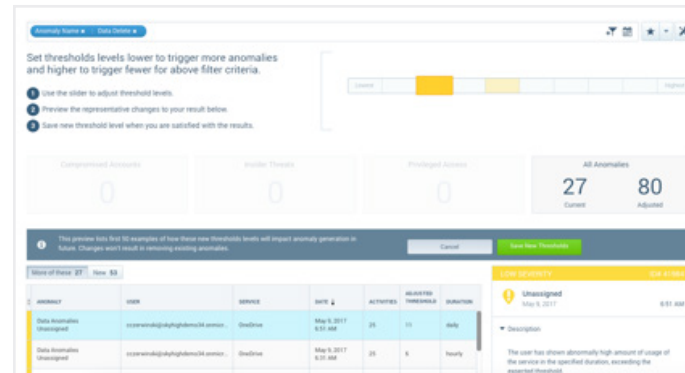
“In an environment with millions of unique events each day, McAfee does a nice job of cutting through the noise and directing us to the areas of greatest security concern.”

—Ralph Loura, Chief Information Officer, HP

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### Supervised Machine Learning

McAfee incorporates security analyst input into machine learning models to improve accuracy. As analysts mark false positives and adjust detection sensitivity, McAfee tunes detection models.



### Network Effects

With the largest installed base of any cloud security solution, McAfee leverages network effects other vendors cannot replicate. With more users, behavior models are able to more accurately detect threats.



### Unified Policy Engine

McAfee leverages a central policy engine to apply consistent policies to all cloud services. There are three ways to define policies that can be enforced on new and pre-existing content, user activity, and malware threats.



#### Policy templates

Operationalize Office 365 policy enforcement with pre-built templates based on industry, security use case, and benchmark.



#### Policy import

Import policies from existing security solutions or policies from other McAfee customers or partners.



#### Policy creation wizard

Create a custom policy with Boolean logic to conform to any corporate or regulatory requirement.

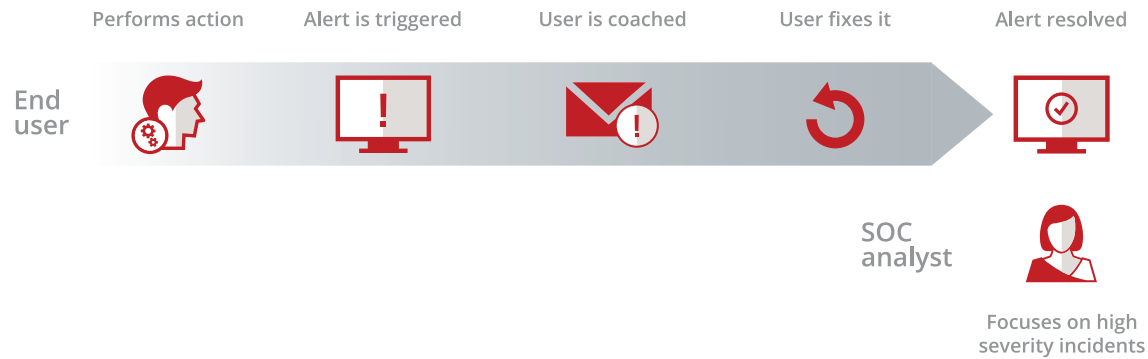
- Combine DLP, collaboration, and access rules to enforce granular policies
- Flexible policy framework leverages triggers and response actions
- Build policies using Boolean logic and nested rules and rule groups
- Enforce multi-tier remediation based on the severity of the incident
- Selectively target or exclude specific users and define exception rules

“With McAfee we were able to implement cloud security policies without impacting business user productivity.”

—Brian Lillie, Chief Information Officer, Equinix

The screenshot displays the Skyhigh Policy Management interface. At the top, there's a navigation bar with 'Skyhigh Policy Management' and a user profile 'Ajmal Kohgidal'. Below the navigation bar, there are tabs for 'Access Control', 'DLP Policies', 'Encryption Policy', 'Configuration Audit', 'On-Demand Scan', 'User Lists', and 'Policy Settings'. The main content area is titled 'Policy Templates Overview' and includes a search bar and filter options. The interface is divided into three main sections: 'Policy Type', 'Business Requirement', and 'Recommendation/Benchmark'. Each section contains a grid of policy templates with their respective counts and usage statistics.

## DATA SHEET



### Incident Response Management

McAfee's incident response management console offers a unified interface to triage and resolve incidents. With McAfee, organizations can:

- Identify a single policy and all users violating it
- Analyze all policy violations by a single user
- Review the exact content that triggered a violation
- Take manual action, such as quarantining a file
- Rollback an automatic remediation action to restore a file and its permissions

McAfee streamlines incident response through autonomous remediation that:

- Provides end-user coaching and in-app notifications of attempted policy violations
- Enables end users to self-correct the policy violation and resolve the incident alert
- Dramatically reduces manual incident review by security analysts by 97%

### Integrations

McAfee integrates with your existing security solutions including the leading vendors in:

- Data loss prevention (DLP)
- Security information and event management (SIEM)
- Secure web gateway (SWG)
- Next-generation firewall (NGFW)
- Access management (AM)
- Information rights management (IRM)
- Enterprise mobility management (EMM/MDM)



## DATA SHEET

### McAfee Sky Gateway

Enforces policies inline for data in motion in real-time.

#### Email mode

Leverages the native mail flow to enforce policies across all messages sent by Exchange Online inline or in passive monitoring mode.

#### Universal mode

Sits inline between the user and Office 365 and steers traffic after authentication to cover all users and all devices, without agents.

### McAfee Sky Link

Connects to Office 365 APIs to gain visibility into data and user activity, and enforce policies across data uploaded or shared in near real-time and data at rest.

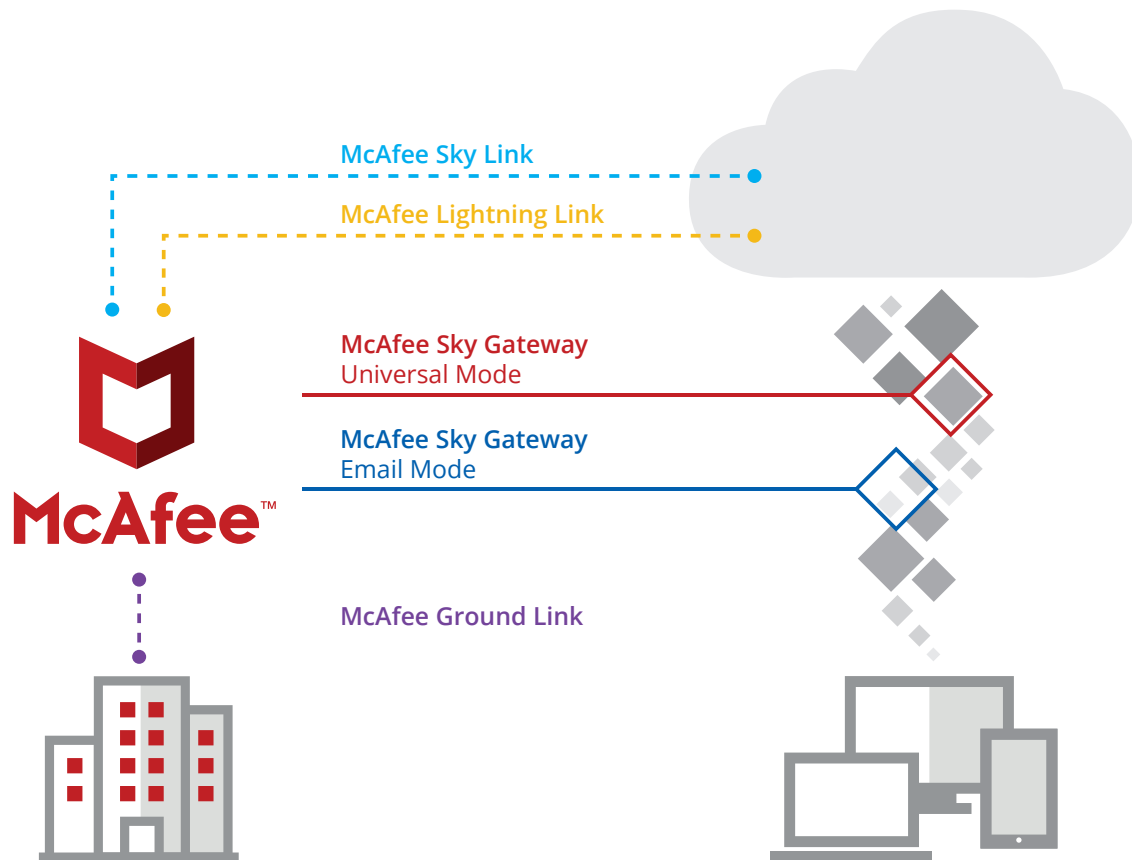
### McAfee Lightning Link

Establishes a direct out-of-band connection to Office 365 to enforce policies in real-time with comprehensive data, user, and device coverage.

### McAfee Ground Link

Brokers the connection between McAfee and on-premises LDAP directory services, DLP solutions, proxies, firewalls, and key management services.

Visit us at [www.mcafee.com](http://www.mcafee.com).



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