

# McAfee MVISION Cloud for Dropbox

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

## Key Use Cases

### Enforce sensitive data policies in Dropbox

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

### Build sharing and collaboration guardrails

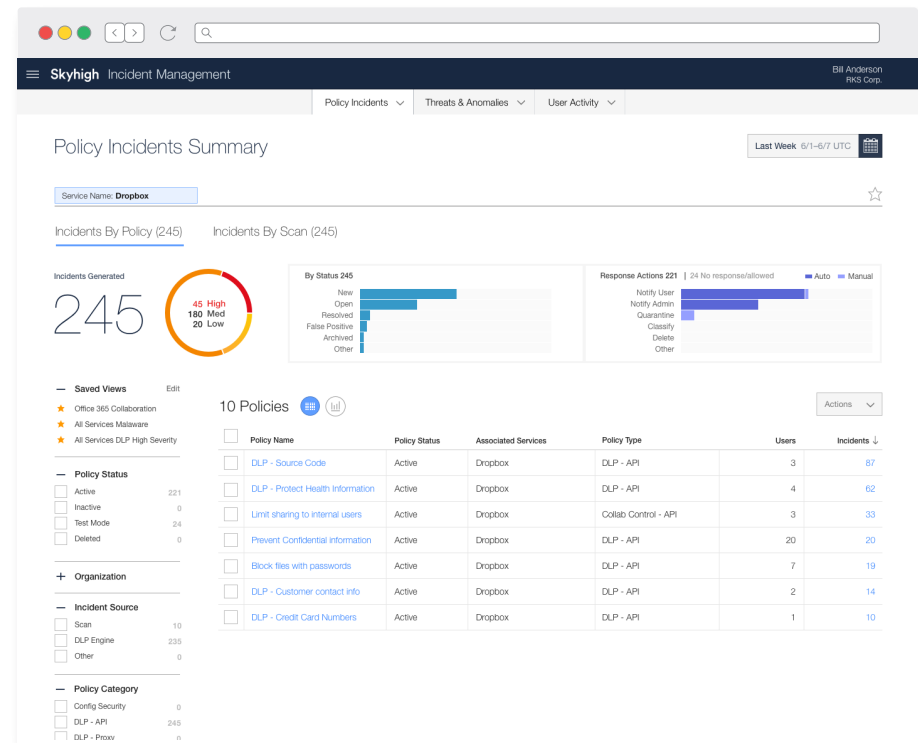
Prevent sharing of sensitive or regulated data in Dropbox with unauthorized parties in real-time.

### 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 SHEET

### Data Loss Prevention (DLP)

Prevent regulated data from being stored in Dropbox. Leverage McAfee's content analytics engine to discover sensitive data created in/uploaded to Dropbox 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)

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“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

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### DLP remediation options:

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

The screenshot displays the Skyhigh Incident Management dashboard. The main view is 'Policy Incidents' with a filter for 'Service Name: 4 Service Names' and a total of 3,960,775 incidents. A table lists incidents with columns for Severity, Policy Name, Item Name, User Name, and Incident Created On. A detailed view of a DLP Policy Incident (#5948227) is shown on the right, titled '-Social Security Numbers -API (Quarantine)'. The incident details include: Severity: High, Service Name: Dropbox, Activity: On Demand Scan, Incident Created On: Mar 26, 2018 1:19 AM UTC, Last Updated: Mar 26, 2018 4:55 PM UTC, Last Response: Allowed, User: shn-india-ops, and Account ID: 295207888133. The incident response is set to 'Suppressed'. A note at the bottom states: 'The same file triggered incidents for the following policies. • Credit Card Numbers - API • -Social Security Numbers -API (Quarantine)'. The user 'Ajmal Kohgadal' is logged in.

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### Collaboration Control

Prevent sharing of sensitive data with unauthorized parties via Dropbox file and folder collaboration.

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

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

#### Files/folders



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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

#### Remediate collaboration policy violations through:

- Revoking a shared link
- Downgrading permissions to view/edit
- Removing access permissions
- Notifying the end user in Dropbox

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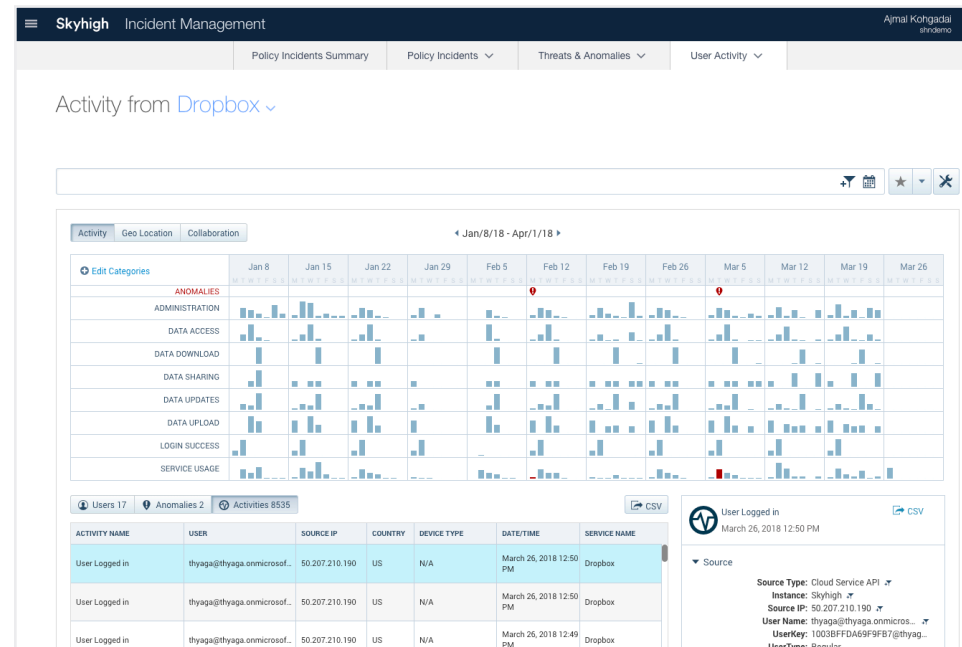
### Activity Monitoring

Gain visibility into Dropbox 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 Dropbox, 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



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### 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.

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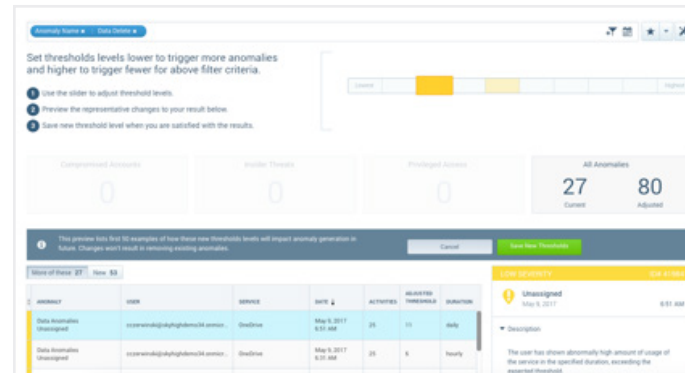
“In an environment with millions of unique events each day, McAfee does a nice job of cutting through the noise and directing us to the areas of greatest security concern.”

—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 Dropbox 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.

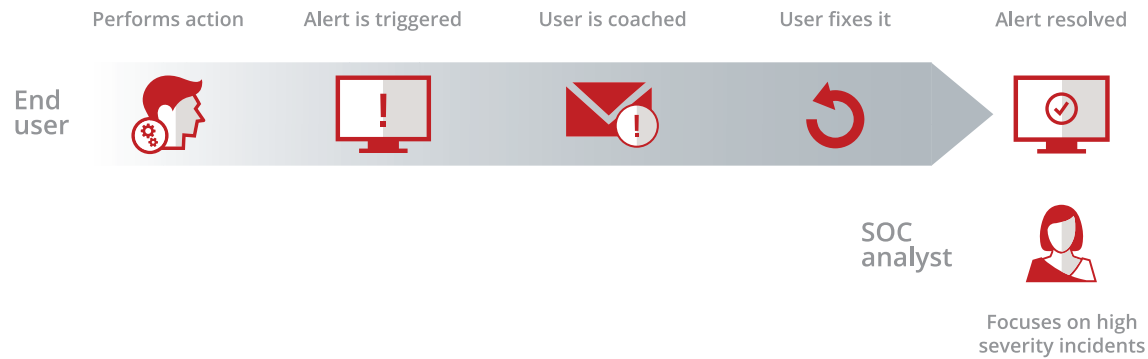
- Combine DLP, collaboration, and access rules to enforce granular policies
- Flexible policy framework leverages triggers and response actions
- Build policies using Boolean logic and nested rules and rule groups
- Enforce multi-tier remediation based on the severity of the incident
- Selectively target 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 shows the Skyhigh Policy Management interface. At the top, there's a navigation bar with 'Skyhigh Policy Management' and a user profile 'Ajmal Kohgidal'. Below that, 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 'Filters' and 'Views' options. The content is organized into three main sections: 'Policy Type', 'Business Requirement', and 'Recommendation/Benchmark'. Each section contains a grid of policy templates with their respective counts and icons.

## 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
- 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:

- 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)

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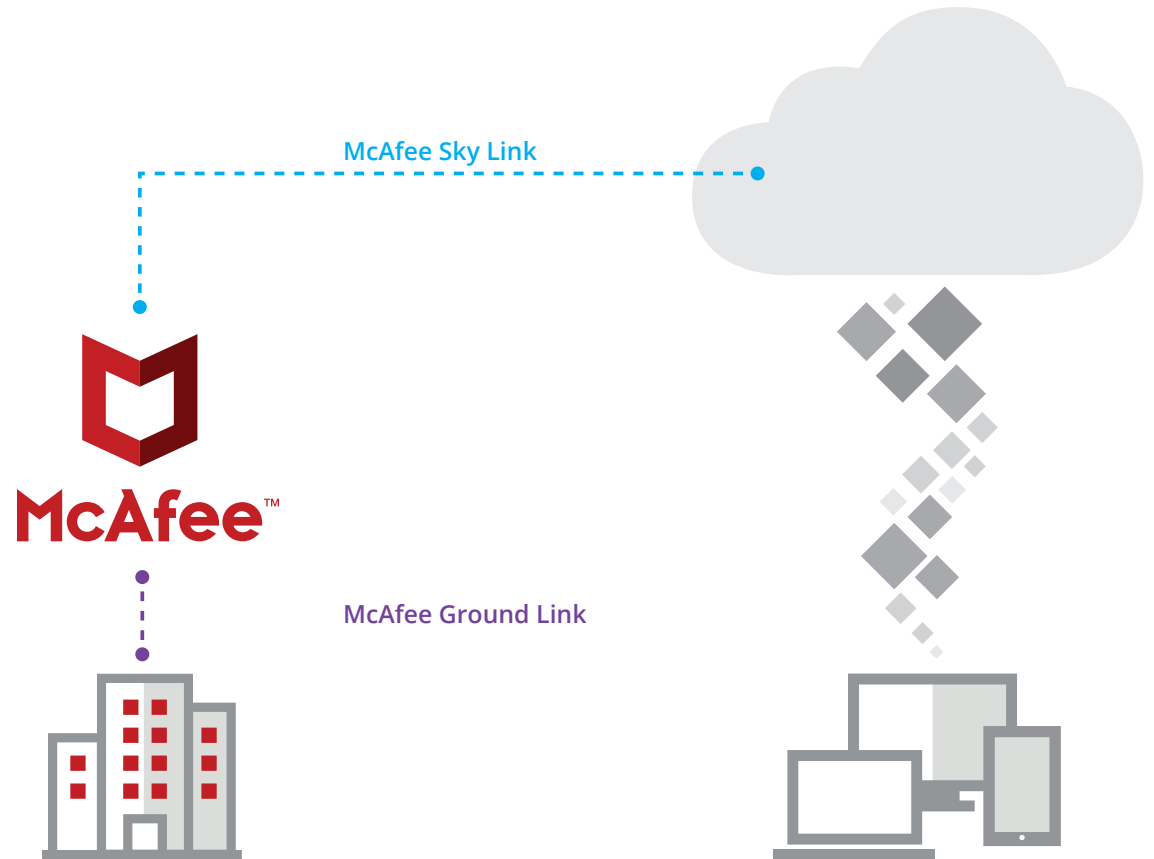
### McAfee Sky Link

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

### 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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OCTOBER 2018