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McAfee MVISION Cloud for Shadow IT

McAfee® MVISION Cloud enables organizations to accelerate their business by giving them visibility and control over their data in the cloud while protecting them from threats with a frictionless, easy-to-use deployment model. MVISION Cloud is a single enforcement point that works consistently across all enterprise cloud services. With consistent cloud security across all cloud services, enterprises can keep up with the velocity of cloud adoption and enable business acceleration.

Shadow IT refers to cloud services not approved or sanctioned by IT. In the interest of productivity or efficiency, employees may use cloud services not sanctioned by IT. The McAfee Cloud Adoption Risk Report[1] of 1,400 IT professionals found that per IT, the enterprise used an average of 30 cloud services. In reality, the number of cloud services used was 1,945. An order of magnitude higher!

Visibility

- **Cloud Registry:** Provides the world's largest and most accurate registry of 30,000+ cloud services, including thousands of services uncategorized by firewalls and proxies.

- **Cloud Usage Discovery:** Discovers all SaaS, PaaS, IaaS, and custom applications in use and visually summarizes traffic patterns, access count, and usage over time.

- **CloudTrust Ratings:** Assigns a risk rating for each service based on 50+ attributes. Enterprises can modify attribute and weights and add custom attributes to generate personalized ratings.

- **Customizable Risk Scores:** Provides the ability to customize and preview in real-time the risk scoring criteria for all services to match an organization's security priorities.

- **Cloud Service Comparison:** Provides the ability to perform side-by-side comparison of cloud services across all risk attributes and usage statistics to accelerate cloud security assessment.

- **Customizable Views and Reports:** Delivers pre-built reports and enables users to create custom views and reports, schedule periodic email reports, and download PDF, Excel, and CSV reports.

Key Advantages

MVISION Cloud for Shadow IT provides continuous visibility and control into SaaS, PaaS, and IaaS services. The key differentiators for MVISION cloud for Shadow IT are:

- **Cloud Registry McAfee:** MVISION Cloud offers the world's largest and most accurate registry of cloud services, including thousands of services uncategorized by firewalls and proxies.

- **Closed Loop Remediation:** Provides a workflow to automatically or manually classify services based on risk criteria and enforces acceptable use governance policies.

- **Unified Console:** MVISION Cloud is a unified product that enables enterprises to use the same console to apply cloud application control as all the other cloud security policies.

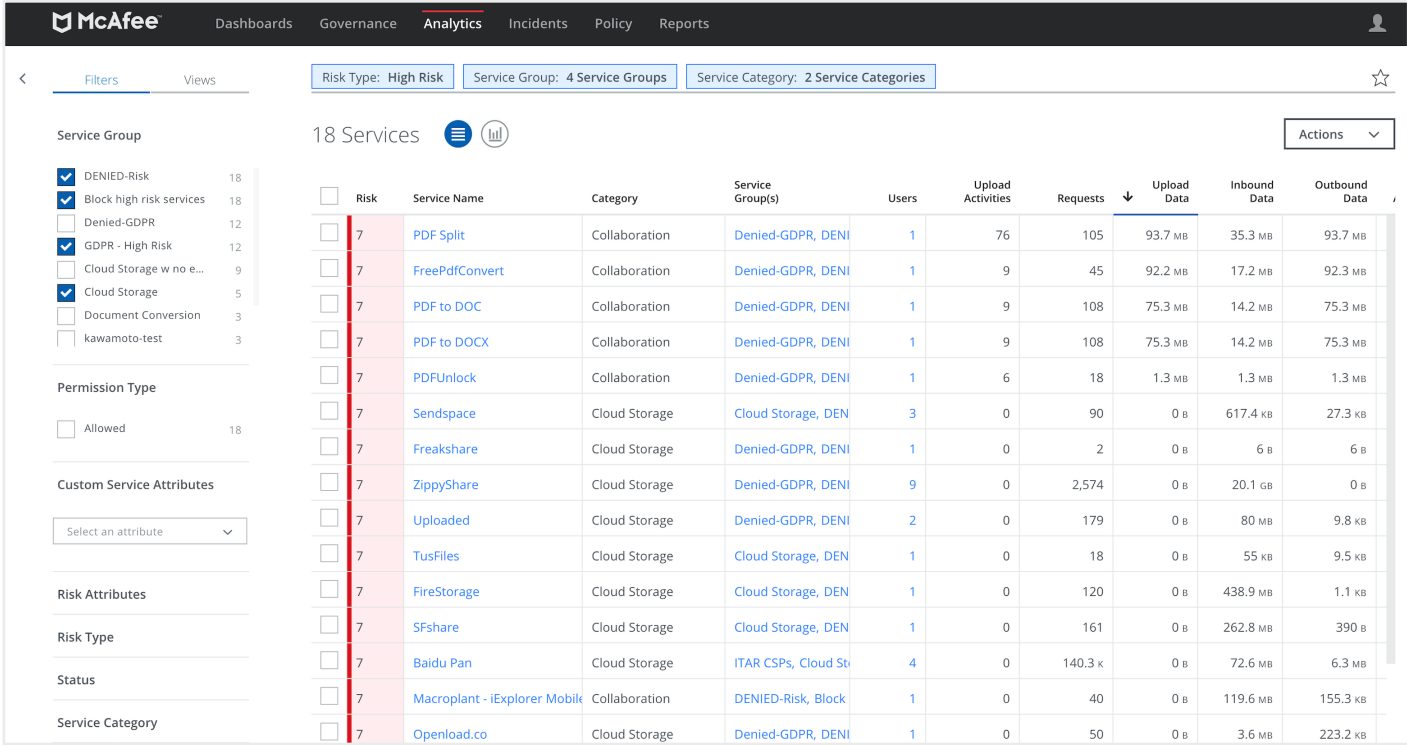## Connect With Us

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Figure 1. Comprehensive visibility into cloud services used.

- **User Behavior Analytics:** Automatically builds a self-learning model based on multiple heuristics and identifies patterns of activity indicative of user threats.

- **Unmatched IP Scanning:** Analyzes outbound traffic to unknown destinations to identify malicious sites and services and enforces coarse-level governance policies.

Control

- **Cloud Service Governance—Closed loop remediation:** Provides a workflow to automatically or manually classify services based on risk criteria and enforces acceptable use governance policies through coaching and/or blocking.

Key Advantages (cont.)

- **Strong Performance:** MVISION Cloud provides the industry's strongest performance for inline application controls, which are built on McAfee® Web Gateway Cloud Service with 52 PoPs, operational in 44 countries.

- **Personal vs. Corporate Tenant Restrictions:** MVISION Cloud enables the enterprise to apply controls that block access to personal instances of sanctioned cloud services while allowing access to corporate instances across SaaS and IaaS services.

Cloud Application Control

Cloud Application Control is a capability to enable granular control policies for cloud services via MVISION Cloud for Shadow IT. It uses a unified and easy-to-use policy configurator to allow or block activities within shadow cloud services. It allows access only to corporate instances of sanctioned SaaS and IaaS services while blocking personal instances.

- **Activity Control—File and Non-File Actions:** Enables enterprises to enforce granular activity control policies against high-risk activities to protect against risk of data exfiltration, for example, restricting users to selectively upload/download or post files. Further, it allows users to add comments and view profiles but block messages on LinkedIn, Facebook, Twitter, and others.

- **Personal Vs. Corporate Tenant Restrictions:** Detects and blocks personal instances of sanctioned SaaS services like AWS, Office 365, Dropbox, Box, and Slack. Enforces standardization on corporate variation of the service.

- **IaaS Governance:** Detects and blocks personal instances of sanctioned IaaS services like AWS, Azure, and Google Cloud Platform. Enforces standardization on corporate variation of the service.
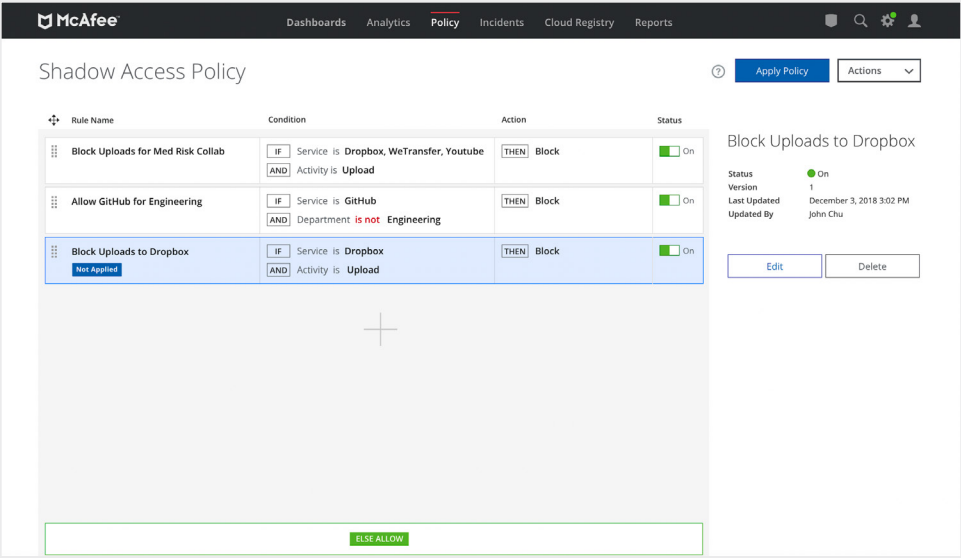

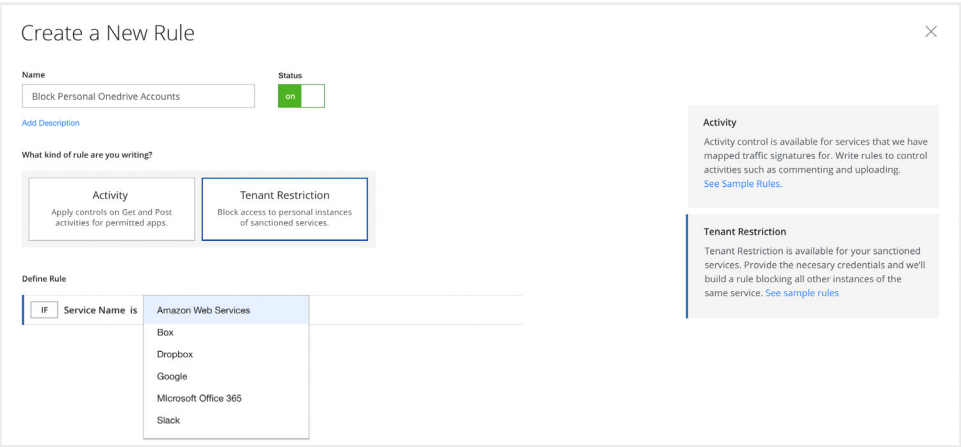Figure 2. Activity Control for GitHub and Dropbox Cloud Services.

Figure 3. Personal vs. Corporate Tenant Restrictions.

MVISION Cloud Platform

- **Role-Based Access Control:** Delivers pre-defined roles with granular and customizable permissions to manage the data and product capabilities users can access within McAfee.

- **Data Jurisdiction:** Regulating access to specific data sets to MVISION Cloud administrators based on parameters such as location, department, cloud service, and IaaS account IDs.

- **Privacy Guard:** Leverages an irreversible one-way process to tokenize user identifying information on-premises and obfuscate the enterprise identity.

- **Notifications:** Instantaneous or periodic emails for events on service usage or risk score changes based on preset threshold.

- **Integration with SIEMs:** Combine MVISION Cloud anomaly and event data with events from other systems and leverage your existing incident remediation process.

- **Enterprise Connector:** Collects logs from firewalls, proxies, SIEMs, log aggregation products, integrated with LDAP solutions, and tokenizes sensitive data before uploading to the cloud.

- **IP Whitelisting:** Allows administrators to whitelist IP addresses that have access to the MVISION Cloud dashboard and prevent unauthorized access from rogue elements.

In summary, Shadow IT represents unsanctioned cloud services that put an enterprise at risk of data exfiltration, non-compliance, and loss of reputation. McAfee MVISION Cloud for Shadow IT integrates seamlessly into a customer environment while enabling enterprises to achieve the optimal balance between security and compliance and employee productivity and efficiency.

Learn More

For more information, visit www.mcafee.com.

1. https://cloudsecurity.mcafee.com/cloud/en-us/forms/white-papers/wp-cloud-adoption-risk-report-2019-banner-cloud-mfe.html

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