

McAfee Data Loss Prevention Discover

Locate, classify, and protect your sensitive data wherever it lives

Sensitive information that resides on laptops, shared file servers, and in cloud storage may be putting your organization at risk. Huge volumes of information—terabytes and even petabytes—must be protected. This is especially difficult because sensitive information isn't always properly labeled. Additionally, in most organizations, there is no way to know or verify whether sensitive data may be at risk or to know where it has proliferated—even with access controls in place. Making matters more complicated, sensitive data typically consists of unstructured data types, such as intellectual property (IP) assets, that are harder to define than structured data like credit card or Social Security numbers. McAfee® Data Loss Prevention Discover (McAfee DLP Discover) helps you locate and classify your sensitive data, find out how it is being used, and protect it against theft or leakage.

Highlighted Features

McAfee DLP Discover helps you identify and manage data loss risk both on premises and in the cloud. Using advanced techniques, McAfee DLP Discover allows you to locate, classify, and protect all types of vital corporate data:

- EDM is a new classification criteria created by uploading a CSV file containing sensitive information where the cells in each row are related. Exact data matches are supported for CIFS, SharePoint, and Box repository scans.
- Software-only McAfee DLP Discover offers additional cost saving—hardware or VM-based appliances are no longer required.
- Fully deployable and manageable by McAfee® ePolicy Orchestrator® (McAfee ePO™) software—it shares the same management extension and data loss prevention (DLP) policy as McAfee® Data Loss Prevention Endpoint (McAfee DLP Endpoint).
- Exact data matching offers fingerprinting capabilities for structured data in databases and Microsoft Excel spreadsheets. It offers the flexibility of setting multiple criteria to trigger a DLP policy for accuracy.

Key Advantages

Identification of data leakage risks

- Scan information stored on premise or in the cloud (Box).
- Identify where sensitive data is stored and who the content owner is.
- Search and view all scanned data from an intuitive interface.

Policies and customized reports

- Use prebuilt compliance, corporate governance, and intellectual property policies.
- Register sensitive information to adjacent information security systems.

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- Fully aligned with McAfee DLP Endpoint classification capabilities.
- Compatible with Microsoft Windows 2008, Windows 2012, and Windows 2016 servers.
- Supports distributed deployments that leverage idle capacity on existing servers and may be deployed over a wide geographical area.

Preventing Loss of Sensitive Data

From source code to trade secrets to strategic business plans, IP and other information assets are critical to your brand, public reputation, and competitive edge. Protecting data during transmission is critical, but securing sensitive data before it is inappropriately accessed or moved and understanding where it resides should be your first line of defense.

McAfee DLP Discover helps you protect your organization against data loss. Unlike legacy solutions that expect you to know exactly what content you want to protect, McAfee DLP Discover provides comprehensive coverage for obvious information and helps you find the non-obvious.

Determining What Information to Protect

To identify information and proliferation risks, McAfee DLP Discover can be configured to scan specific repositories and identify data for explicit protection. Additionally, all data crawled by McAfee DLP Discover

is indexed and made accessible through an intuitive interface, allowing you to quickly search for data that may be sensitive in order to understand who owns the content and where it is stored.

Defining Policies for Protection

Once you know what information to protect, McAfee DLP Discover can help you accurately protect that information. McAfee DLP Discover provides intuitive and unified policy creation, reporting, and management to give you more control over your information protection strategy for data at rest. Key benefits of the policies, rules, and classifications in McAfee DLP Discover include:

- Numerous built-in policies for a simple out-of-box experience
- Powerful rule-construction engine, from simple structured data (credit cards, Social Security numbers) to complex information (intellectual property)
- Simplified rule creation and validation by transferring search result analysis to a protection rule
- Integration with adjacent information security vectors to ensure consistent protection
- Exclusion of public documents and common text to prevent benign information from generating incidents

Classification, analysis, and remediation of data leaks

- Filter and control sensitive information with multivector classification.
- Index all content, and then query and mine it to understand your sensitive data.
- Register and generate signatures to protect documents and the information contained within—even if plagiarized or transposed.
- Send an alert notification if content violates protection policies.

Specifications

Content types

Supports file classification of more than 300 content types, including:

- Box cloud storage
- Microsoft Office documents
- Adobe files
- Multimedia files
- Source code
- Design files
- Archives
- Encrypted files
- Built-in policies
- Intellectual property

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Scan Your Network for Violations

After policies are defined, McAfee DLP Discover can be instructed to routinely scan network resources for policy violations. Flexible scheduling options are available to perform continuous, daily, weekly, or monthly scans.

McAfee DLP Discover automatically scans all accessible resources, including laptops, desktops, servers, document repositories, portals, and file transfer locations for policy violations. You can define scan groups based on IP addresses, subnets, ranges, or network paths. You can also focus scan operations based on specific parameters, such as scanning only “My Documents” for all users and not system folders, or looking for files owned by specific users or of a certain type or size.

Review and Remediate Violations

McAfee DLP Discover eliminates or minimizes proliferation of sensitive material through integrated incident workflow and case management. If McAfee DLP Discover finds content that violates protection policies, it generates incidents and sends notifications. Incidents created by McAfee DLP Discover can be

added to the case management framework, which allows you to involve specialists from numerous organizations within the company to take action on the violation. Additionally, risk dashboards provide easy ways for security personnel to see the profile of policy violations and generate reports based on any data-at-rest parameter of interest.

Capture and Analyze Stored Data

In addition to scanning network resources to detect policy violations, McAfee DLP Discover also indexes all content found at rest in the network and provides you with the ability to query and mine this information to understand your sensitive data. McAfee DLP Discover lets you quickly understand your sensitive data, how it is used, who owns it, where it is stored, and where it has proliferated.

Classify Complex Data

McAfee DLP Discover empowers your organization to protect all kinds of sensitive data—from common, fixed-format data to complex, highly variable intellectual property. By combining the inputs from these object-classification mechanisms, McAfee DLP Discover is able to build a highly accurate, multivector

Repositories supported

- Common internet file system/ server message block (CIFS)
- Microsoft SharePoint
- Databases: Microsoft SQL, Oracle, DB2, MySQL Enterprise

Document Registration

Documents can be registered from any CIFS repository. Signatures from registered documents can be used locally for detecting proliferation of sensitive material or be made available to other McAfee DLP Appliances.

Reporting

The powerful analytics engine for incident and search result views allows you to customize summary views based on any two contextual pivot points. List and detail views, as well as summary views with trending, are available. Multiple customizable prebuilt and customizable reports are provided with the system.

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classification, which is used to filter and control sensitive information and to perform searches that identify hidden or unknown risks. Object classification mechanisms include:

- **Multilayer classification:** Covers both contextual information and content in a hierarchical format
- **Document registration:** Generates signatures of information as it changes
- **Grammar analysis:** Detects grammar or syntax of anything from text documents to spreadsheets to source code
- **Statistical analysis:** Tracks how many times a signature, pattern, or keyword match occurred in a particular document or file
- **File classification:** Identifies content types regardless of the extension applied to the file or compression
- **Document Classification:** Discover rules for CIFS, Box, and SharePoint now support the reaction Classify File As. This reaction embeds the classification ID into file formats that support embedded classifications.

Software Specifications

McAfee DLP Discover is available as a software version. Below are the minimum system requirements.

Hardware requirements

- CPU: Intel Core 2 64-bit
- RAM: 4 GB minimum
- Disk space: 100 GB minimum

Supported Platforms

- Windows Server 2008 R2 Standard, 64-bit
- Windows Server 2012 Standard, 64-bit
- Windows Server 2012 R2 Standard, 64-bit
- Windows Server 2016 Standard, 64-bit

Supported Virtualization Systems

- VMware vSphere using vCenter server versions 6.0, 6.5, or 6.7
- vCenter Server 5.0 Update 2

McAfee ePO software and agents

- McAfee ePO 5.3.3, 5.9.1, and 5.10
- McAfee agent 5.0.6, 5.5, 5.5.1



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