eScan Enterprise DLP (Data Leak Prevention)

eScan Enterprise DLP (Data Leak Prevention) security solution is a set of strategies, technologies, and techniques that ensure end users do not transmit critical or sensitive data outside an organization. Whether transmission of data is through message, email, file transfers, or some other way, information can end up in unauthorized locations, leading to compliance issues.

As an Enterprise solution, DLP detects potential data breaches/data exfiltration attempts and prevents the same by monitoring, detecting, and blocking sensitive data while in use (Endpoint actions), in motion (Network Traffic), and at rest (Data Storage). An effective DLP solution also employs business rules to enforce regulatory compliance and secure confidential information. With its advanced features, it gives protection against exfiltration attempts, monitors sensitive data access attempts, and permits 360-degree all-round visibility of confidential file usage and protection of data tagged as critical by a user.

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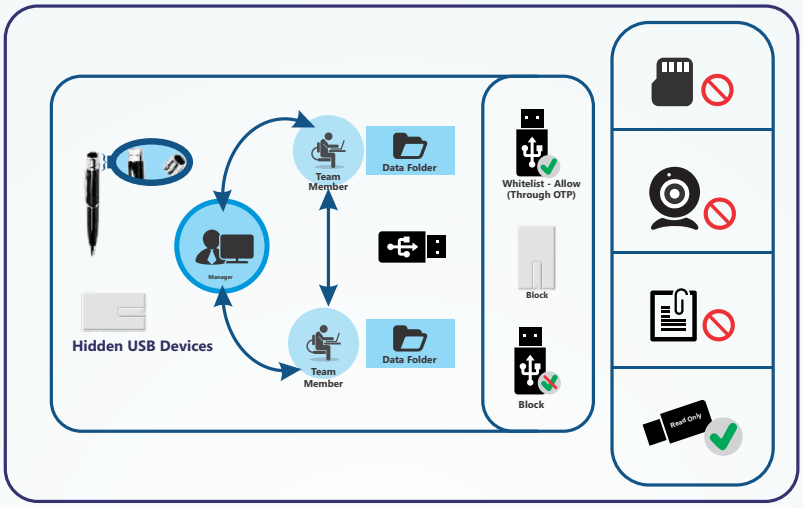
Why eScan Enterprise DLP?

eScan Enterprise DLP is equipped with a wide range of advanced features and technologies to protect data in motion or data at rest, and these features assist you in tracking, monitoring, and protecting critical data within your network. These features can be configured as per your requirements through a comprehensive and secure enterprise-grade centralized management console that allows you to deploy the solution on endpoints connected to your network. eScan Enterprise DLP also provides protection on mail gateways to prevent leakage of critical data through email.



eScan Enterprise DLP's advanced Device Control feature helps in monitoring USB devices that are connected to the endpoints in the network. On Windows endpoints, administrators can allow or block access to USB devices such as webcams, CD-ROMs, composite devices, smart-phones, Bluetooth devices, SD cards, or imaging devices. Unauthorized access to external devices can be blocked using password protection, thus preventing data leakage through USB devices

Many times, access to the USB port is misused, and data pilferage becomes a common occurrence, causing potential damage to the organization as intellectual property falls into the wrong hands. A sub-feature in eScan Enterprise DLP's Device Control enables sending notifications to the administrator of the web console when any data on the client system's hard disk is copied to the USB. Device Control ensures that data theft is completely eradicated, leaving no scope for misuse of confidential data.

The password protection feature in eScan Enterprise DLP helps enforce security policies by preventing unauthorized user actions on the network. For example, if an administrator has deployed a policy to block all USB devices, and a user needs temporary access to a USB drive—for instance, to deliver a sales presentation, the admin can grant access without disabling the entire policy. This is achieved using eScan Enterprise DLP's One-Time Password (OTP) feature. The administrator can generate an OTP that allows temporary access for a specific client machine and duration. This ensures the user can complete the task without compromising the organization's security policy.

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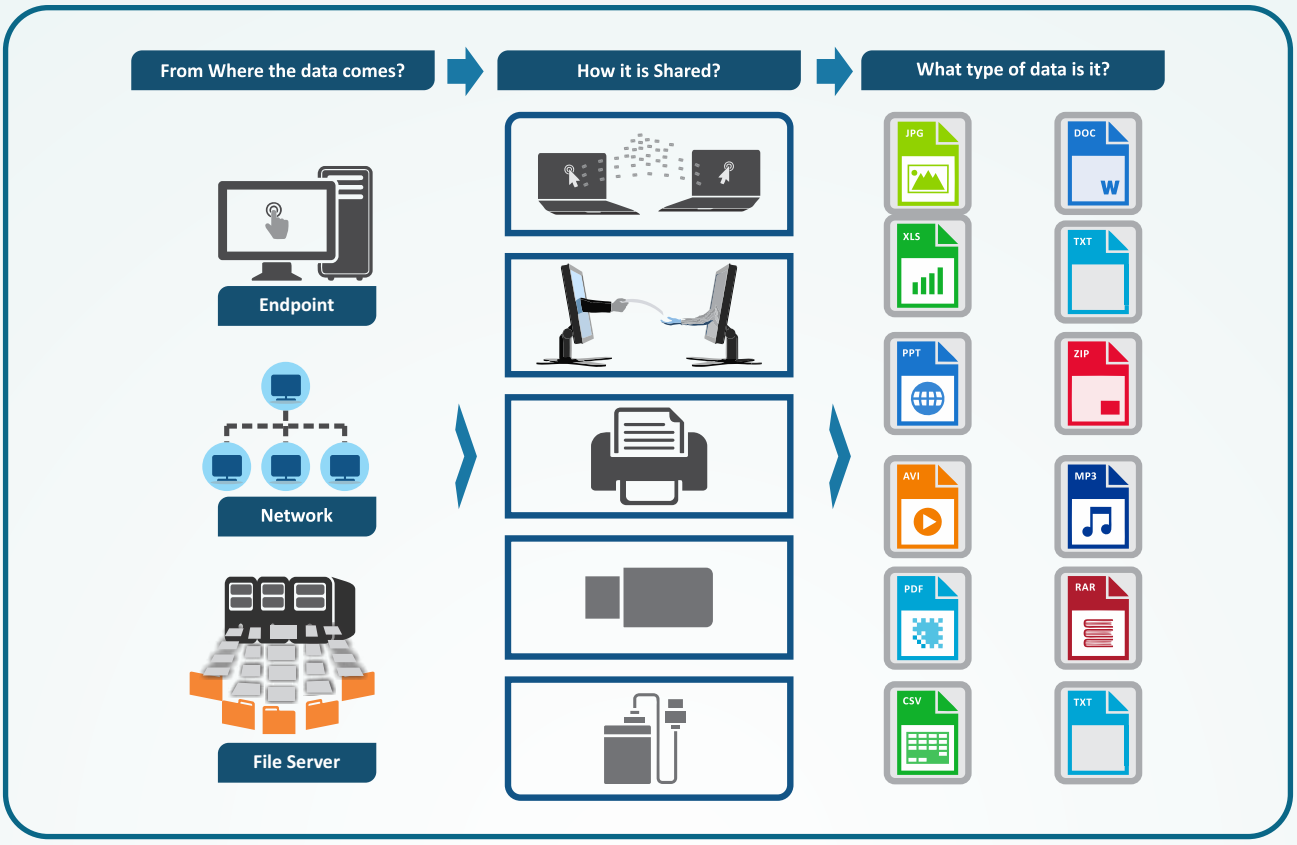
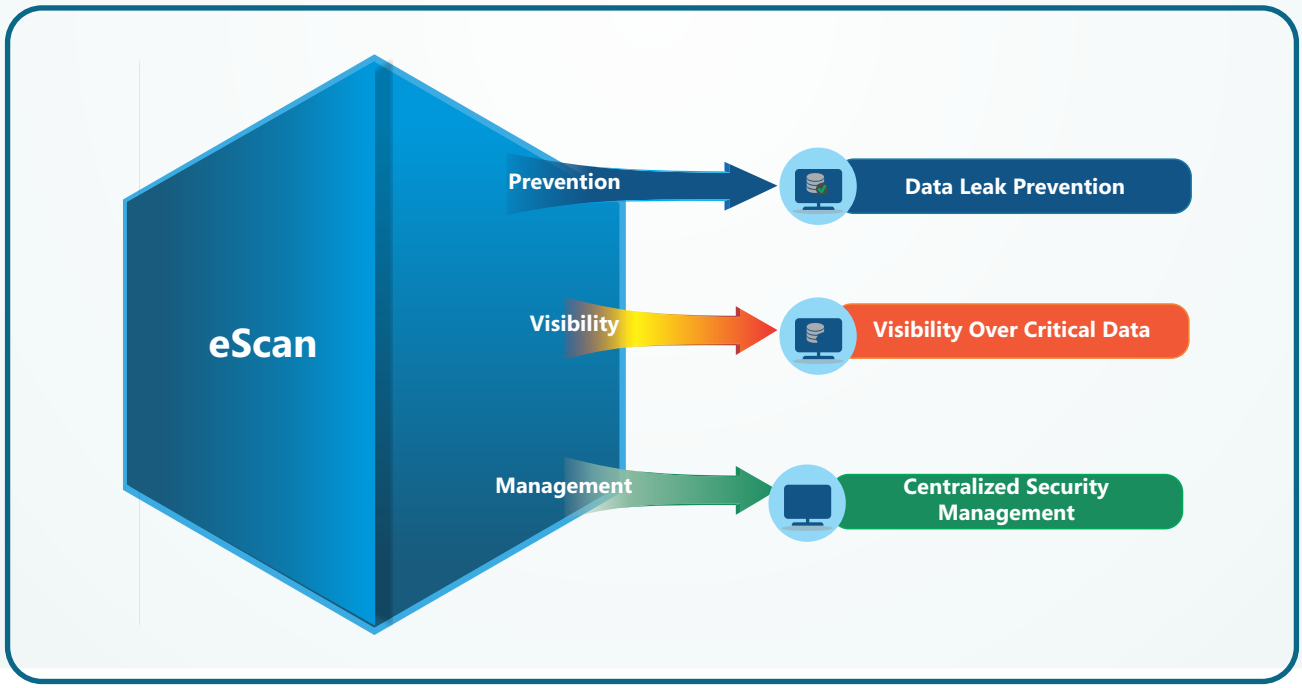
Key Features





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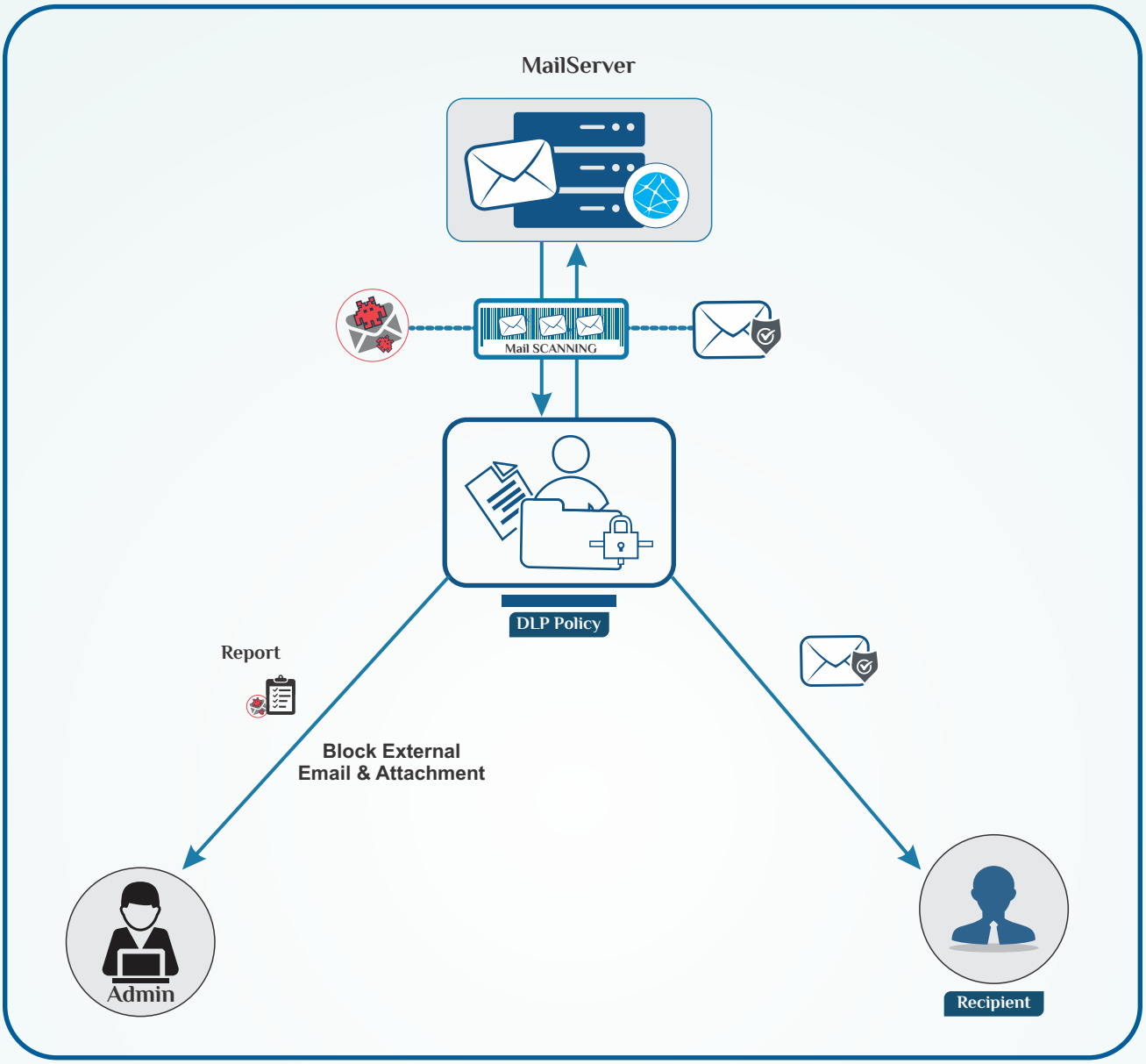
Attachment Monitoring/Control



File Attachment Block

The DLP Attachment Block feature enables granular control over attachment flows within your organization. Attachments can be blocked or allowed based on their file extensions, ensuring security by restricting potentially harmful file types. Trusted domains and subdomains can be excluded from these restrictions, allowing seamless communication with pre-approved entities. A dedicated report template provides detailed insights into blocked and allowed attachment activities via email.

NOTE: File attachment blocking can be achieved on Windows and Linux endpoints.

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Attachment Monitoring

eScan DLP offers advanced attachment monitoring for Windows, Linux, and MAC endpoints, enabling administrators to track and analyze emails with attachments.

Email Monitoring

The email monitoring feature empowers administrators to oversee email communication comprehensively. It tracks emails with or without attachments, identifying their sources, destinations, and file types to ensure compliance and prevent data leaks.

Attachment Report

This feature delivers a robust reporting module that identifies which attachments are allowed or blocked by eScan Enterprise DLP. It provides real-time alerts to administrators about shared or uploaded attachments, including details such as file source, file extension, attachment type, and destination, ensuring transparency and proactive decision-making.

Shadow IT Discovery

Shadow IT discovery refers to the process of identifying and managing unauthorized applications or tools that employees use within a corporate network without the approval or knowledge of the IT department. It involves detecting unknown applications, services, and devices that employees use without IT control.

Data Classification, Discovery, and FIM

Data Classification

eScan Enterprise DLP utilizes Sensitivity Labels for data classification, enabling organizations to categorize information by sensitivity and importance. This ensures appropriate security measures are applied, enabling swift responses to potential data leaks and enhancing overall data protection.

DLP Database Discovery

Identify the location of sensitive (PII) content or critical data across the organization's infrastructure, including databases, file servers, and cloud storage. eScan Enterprise DLP scans the network to detect and report on confidential information stored on endpoints, enabling informed decisions to mitigate data breach risks.

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DLP Discovery Scan

This is the policy that can be defined to locate and manage sensitive data across the network. It scans and generates a detailed report (on a scheduled basis) of your sensitive data present in the Windows/Linux/MAC endpoints. This helps you take informed decisions regarding the same and ultimately mitigate risks associated with data breaches.

File Integrity Monitoring (FIM)–Tracking changes to file system

Cybercriminals are adopting advanced methods to compromise system files, directories, registries, and data, leading to cyberattacks. Features of File Integrity Monitoring (FIM) include monitoring Linux systems, detecting changes, alerting administrators of the file integrity, and creating a baseline for particular folders.

Sensitivity Labels and Content Control

AI Platform Data Protection

Protect your sensitive data while enabling secure AI usage with eScan Enterprise DLP. It monitors and controls the information or query uploads to AI platforms like ChatGPT, Claude, and Gemini, blocking unauthorized data sharing and personal account use. The DLP supports legitimate AI-driven tasks such as document analysis and content improvement/summarization, ensuring data sovereignty across browsers and apps without disrupting productivity.

Content-Aware Controls (Content DLP)

This advanced feature empowers administrators to monitor and control the flow of confidential information from endpoints, ensuring compliance with regulatory requirements such as DPDP, GDPR, and more. Sensitive data, commonly referred to as Personally Identifiable Information (PII), is automatically identified and categorized for protection. The categories of sensitive information include, but are not limited to:

- **Aadhar Card Number**
- **Driving License Number**
- **Passport Number**
- **PAN Card Number**
- **Credit Card Numbers (RUPAY, VISA, Amex, MasterCard, etc.)**
- **International Bank Account Numbers (IBAN)**

Content Blocking
The blocking of sensitive content is available on Windows and Linux endpoints.

Content Monitoring
The monitoring of sensitive content is available on Windows, Linux, and MAC endpoints.

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Multi-Channel Filtering

eScan Enterprise DLP applies filtering for PII across multiple communication and data transfer channels, providing a comprehensive security solution. The monitored and controlled channels include:

- **External Storage Devices:** USB drives, CDs/DVDs, Bluetooth devices.
- **Network Communication:** Email, file transfers, and other data transmissions.
- **Recipient Domain Whitelisting:** Allows data sharing only with pre-approved trusted domains to prevent unauthorized dissemination.

This robust functionality ensures that sensitive information is securely managed, preventing unauthorized sharing or leakage across endpoints, communication channels, and devices.

Printer Control DLP

eScan Enterprise DLP manages and monitors the printing activity of sensitive documents, ensuring that only authorized users can print specific types of data on designated printers. Printer control policies define which documents can be printed and by whom, based on predefined rules. In the event of unauthorized printing activity, the DLP system logs the incident, notifies the user about potential risks, and can block the print job immediately.

Furthermore, potential data breaches trigger alerts that are sent to administrators for timely intervention. This module also allows administrators to completely or selectively block access to network printers, providing fine-grained control over printing operations and enhancing data security across the organization.

Watermarking of Printed Documents

eScan Enterprise DLP enables the use of watermarks on printed documents to enhance data security and traceability. By default, the watermark is set to Confidential, but users have the flexibility to customize it with their own strings and variables. This includes adding information such as the IP address, hostname of the machine, username of the logged-in user, and other relevant data. Customizable watermarking ensures that sensitive documents are uniquely identifiable, helping prevent unauthorized distribution and enabling traceability in case of data leaks, while reinforcing compliance with organizational security policies.

Image DLP (OCR)

Image DLP uses OCR technology to extract and monitor text from image files, protecting sensitive information in scanned documents such as IDs, financial cards, and other confidential materials.

Sensitivity Labels

Sensitivity labels classify data into categories like Normal, Internal, and Confidential, ensuring appropriate security controls are applied. This enables organizations to regulate file accessibility and sharing, mitigating risks of data breaches and enhancing data security compliance.

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Password-Protected File Inspection

Securely processes password-encrypted Office documents (Excel and Word) by requesting the password from users. eScan DLP solution decrypts the file, scans for sensitive content, and applies appropriate security measures based on findings—whether allowing transmission, blocking, or engaging user decision-making.

User-Controlled Data Protection

Empowers users with interactive decision-making when sensitive content is detected. Instead of automatic blocking, users receive a notification pop-up about the sensitive content and can choose whether to proceed with the transmission, enhancing security awareness while maintaining workflow flexibility.

Shadow Copy of files Allowed to be uploaded

The eScan Enterprise DLP feature provides a robust mechanism for creating shadow copies of files transferred over web services, email, and online storage platforms such as Google Drive, OneDrive, Dropbox, and others. When files are transferred, shadow copies can be automatically created based on criteria such as recipient, sender name, and attachment size. This ensures comprehensive monitoring of data being shared or stored, enabling administrators to track sensitive file movements and detect potential data leakage. These shadow copies act as an additional layer of security, providing visibility into file transfers that might otherwise go unnoticed, enhancing overall data protection efforts. Along with the local path, the shadow copies for attachments allowed can also be synced with cloud storage platforms.

Workspace Access Management (Tenant Control)

eScan Enterprise DLP enhances data security by enforcing domain-specific or account-specific restrictions across various platforms, ensuring employees can only access cloud-hosted services with corporate credentials.

Platform-Specific Restrictions

- **Google Workspace:** Enforces organization-based restrictions to block personal Google accounts while allowing access via corporate credentials on Windows and Linux machines.
- **Microsoft 365:** Implements Tenant ID restrictions to ensure access is limited to corporate Microsoft accounts.
- **Collaboration Tools:** Supports restrictions for third-party platforms like Slack, Webex, Zoom, and Autodesk to prevent unauthorized logins.
- **File Sharing Services:** Controls access to platforms like Dropbox and WeTransfer, ensuring sensitive files are handled securely.
- **Code Repositories:** Enforces restrictions on platforms like Bitbucket to safeguard intellectual property.

By blocking personal account logins and ensuring access only through corporate credentials, eScan Enterprise DLP helps organizations comply with security policies and prevent data leaks.

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Remote Access Software

Organizations rely on remote access software for technical support, system configuration, and application installation. The Remote Access Software feature enforces essential restrictions to prevent unauthorized activities. It blocks VPN clients to maintain web filtering, restricts SafeMode booting during remote sessions, prevents access to Android's Development mode, and allows only corporate AnyDesk accounts.

Control Sync Settings

eScan Enterprise DLP Control sync settings in a corporate network is crucial for data security, network performance, and regulatory compliance. It prevents unauthorized data sharing, protects user privacy, and optimizes network resources. Administrators can enhance security by disabling sync for apps, browsers, passwords, and credentials; blocking file storage on OneDrive, limiting access to QR code sharing in Chrome and Edge; and limiting YouTube access. Moreover, admins have full control over the browser extensions that users might add in their web browsers for various purposes. For more precise control, the extension whitelisting option is also made available.

MS Office Controls

This module aims to protect sensitive information and prevent unauthorized actions in Microsoft Office by controlling specific actions like video recording, Print Screen, and PDF printing when creating/viewing/editing MS documents.

Device Control

Storage Access Control

Device Control protection in eScan Enterprise DLP prevents users, endpoints, or both from using unauthorized removable storage media. eScan Enterprise DLP prevents a user from copying an item or information to removable media or a USB device. Storage access control blocks data from being written to removable drives that aren't protected.

Peripheral Device Control

eScan Enterprise DLP protects critical data from leaving your company through peripheral and removable devices, such as USB drives, Bluetooth devices, and recordable CDs and DVDs. Device control provides the option to monitor and control data transfers from all desktops and laptops, regardless of where users and confidential data go, even when they are not linked to the corporate network.

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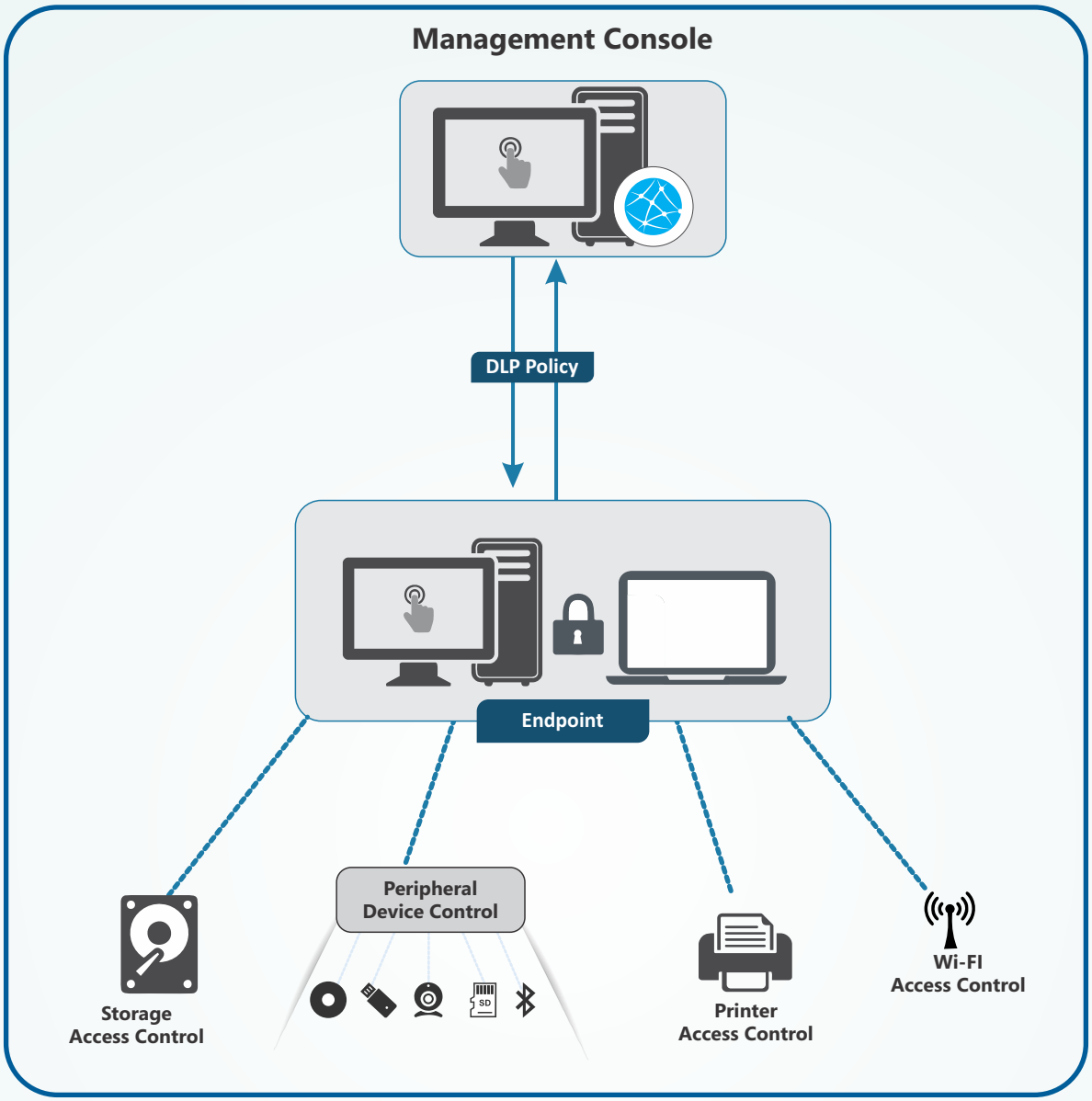
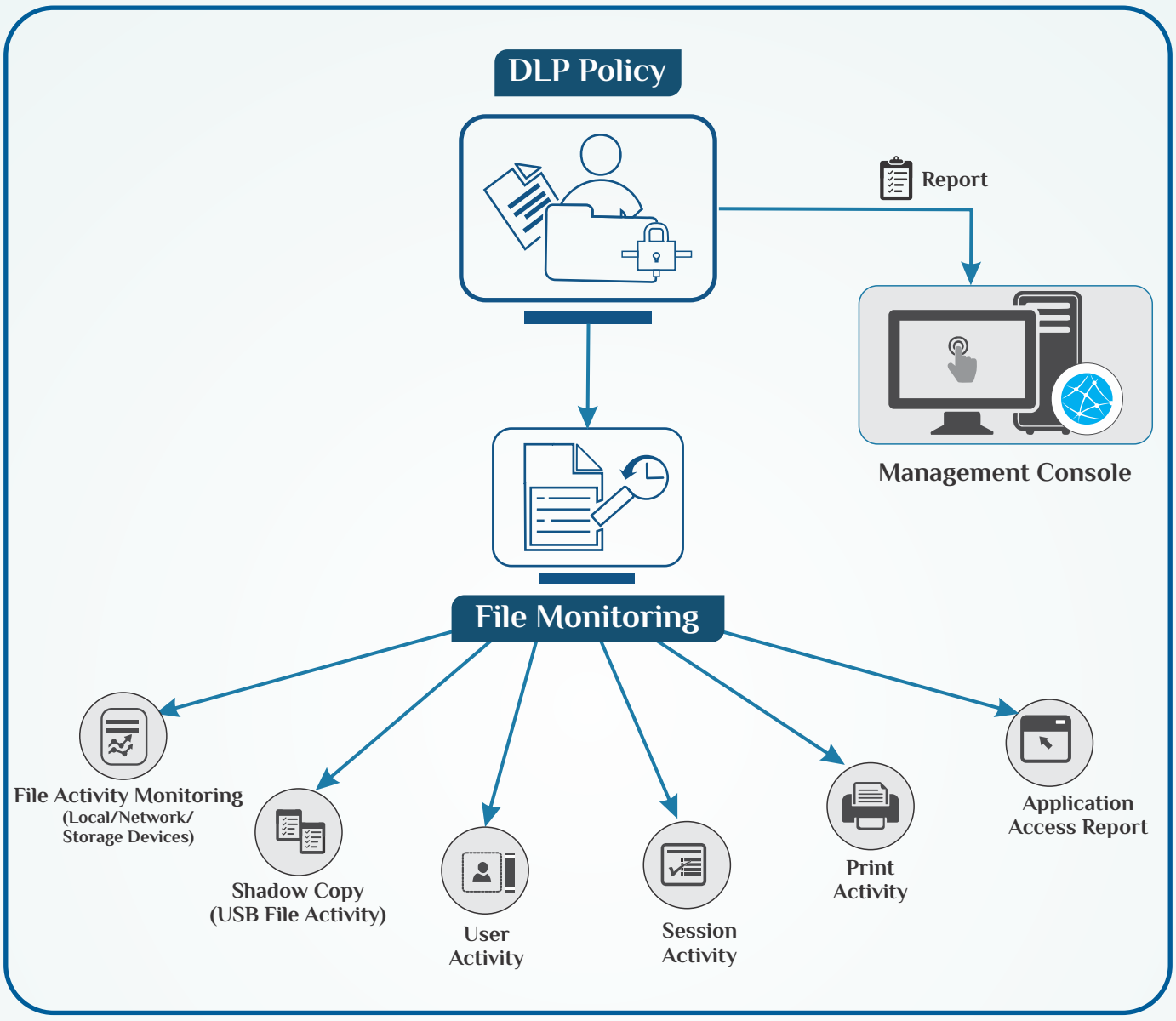
Device Control



Wi-Fi Access Control

Wi-Fi access points come with a default SSID and password that must be updated, although default passwords are frequently kept in place. This makes it simple for an attacker to log in and take control over the router, configure settings or firmware, load malicious programs, or even change the DNS server to send all traffic to an attacker's IP address. Wi-Fi access control blocks or allows the specific Wi-Fi network to access your network based on a list of allowed Wi-Fi SSIDs (whitelisted).

User Entity Behavior Analytics (UEBA) - Activity Monitoring



File Activity Monitoring (Local/Network/Storage Devices)

The File Activity module displays a report of the files created, copied, modified, and deleted on managed computers (Windows/Linux). Additionally, in case of misuse of any official files, the same can be tracked down to the user through the details captured in the report. The administrator can select and filter the report based on any of the details captured.

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Shadow Copy (USB File Activity)

It is a technology that allows you to create a copy of files that a user copies to an external USB drive. This feature allows administrators to audit files that leave the endpoint.

User Activity

User Activity lets you monitor print, session, application, and file activities occurring on client computers. It also provides reports of the running applications. The Print Activity monitors and logs print commands sent by all computers. The Application Access Report gives a detailed view of all the applications accessed by computers that are part of Managed Computers. The File Activity Report displays a report of the files created, copied, modified, and deleted on managed computers.

Session Activity

This submodule monitors and logs session activities of managed computers. It displays a report of the operation type, date, computer name, group, IP address, and event description. With this report, the administrator can trace the user's logon and logoff activity, along with remote sessions that took place on all managed computers.

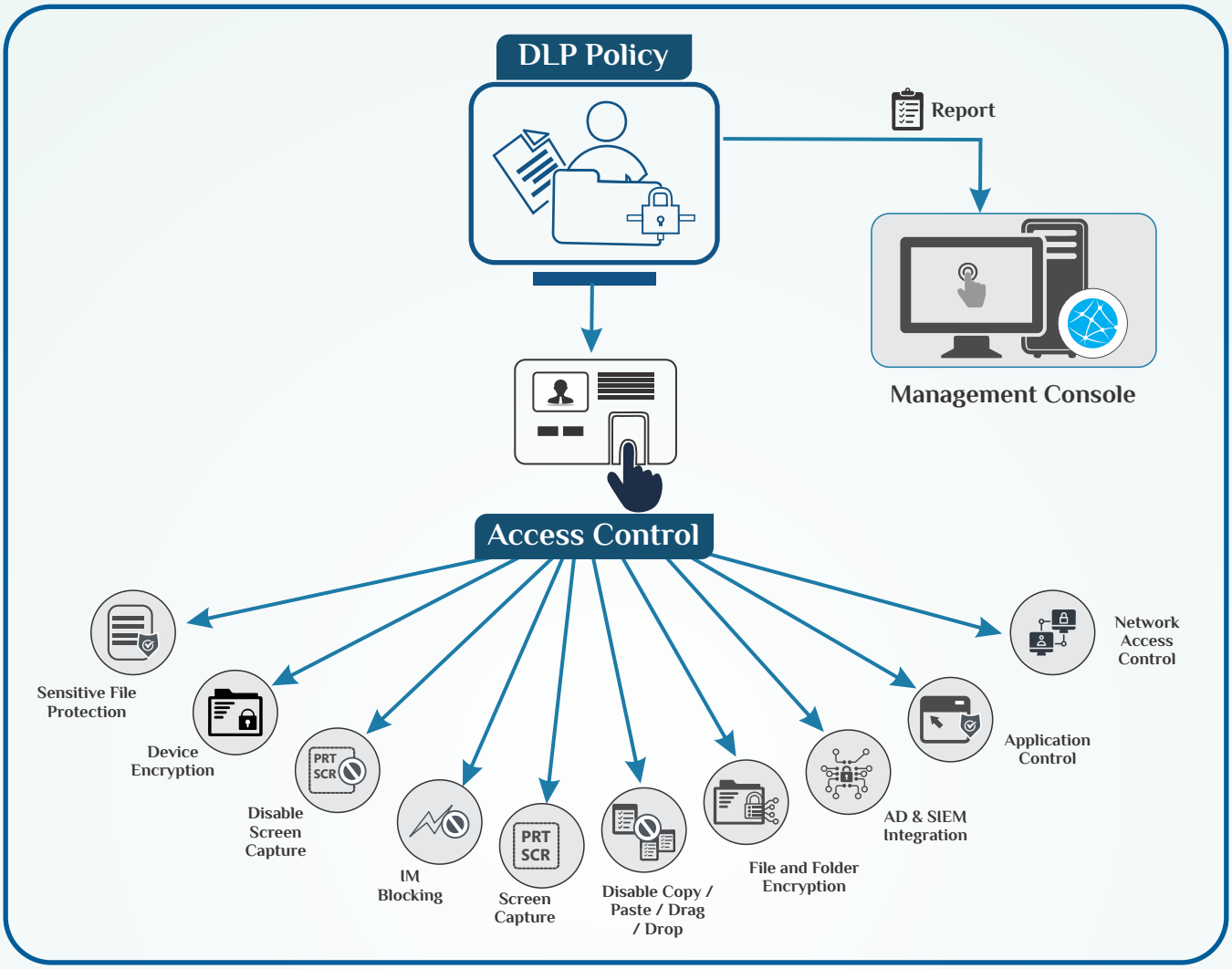
Print Activity

Print Activity lets you keep track of printers by adding them in a group and assigning it an alias name. The printers can be added or removed from this alias group. Print activity monitors and logs print commands sent by all computers. It also lets you filter the logs on the basis of computer name, printer, and username. Furthermore, this module lets you export a detailed print activity report in XLS, PDF, and HTML formats. The generated log report consists of print date, machine name, IP address, username, printer name, and document name, along with the number of copies and pages.

Application Access Report

The Application Access Report module gives a detailed view of all the applications accessed by the endpoints that are part of Managed Computers. The log displays a list of applications executed and the time duration for which the app was active. Options for filtering or exporting the log in desired formats are also present on the same interface. You will get the details of the computer name that accessed the app and the duration.

Access Control



IM Blocking

Cyber thefts typically happen using file transfers or inadvertent messaging, bypassing traditional gateway security. Information Exfiltration activities are done by hackers by hijacking popular browsers and IM apps (such as Firefox, Skype, and Opera) through known vulnerabilities such as buffer overflows or boundary-condition errors. eScan Enterprise DLP IM rules will only work if the processes utilized for file transfer are the ones you are specifying in your application list while creating the rule. The IM rule provides a blanket block on all attachment and file transfers through instant messenger applications.

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Screen Capture

Screen capturing makes it easier to take desktop screenshots. As a business owner, it becomes crucial to be aware of the activities of employees, especially in the case of customer service or help-desk teams. Employees may work hard, but to clearly understand their productivity, screen capturing gives you a detailed insight into the work being done.

File and Folder Encryption (Data eVault)

The DLP file and folder encryption protects sensitive and confidential data from unauthorized access and data leaks. It provides an advanced level of password protection to your important files/folders.

DLP's Data-Vault is encrypted using 256-bit Advanced Encryption Standard (AES) and HMAC-SHA 256-bit key. A password is required to access the vault. When a user accesses the data vault, using the correct credentials, stored data will automatically be decrypted. Vice versa, after a user closes the vault, the data stored will automatically be encrypted.

File and Folder Encryption (Disk Encryption)

The Disk Encryption feature secures data by enabling encryption for specific folders or entire drives on a client machine. Once encrypted, the data within these folders or drives cannot be altered or transferred through any means, ensuring robust protection against unauthorized access.

Disable (Copy / Paste / Drag / Drop)

For a device, once data is copied into the clipboard by any app, it can also be accessed from any other app. With the copy/paste option disabled, a user is prohibited from copying any information to the clipboard.

Application Control

Application Control lets you block unwanted applications from being executed on endpoints. This helps the admin to control the execution of applications on endpoints. Also, eScan Enterprise DLP enforces the application control policy to provide continuous monitoring of systems to prevent security breaches, data leaks, and outages.

Removable Device Encryption

Removable Device Encryption is one of the security features that protects your data from unwanted access in the event an external drive is misplaced or stolen. When you enable this function, the device is encrypted, and all data stored on this device can be accessed only by trusted endpoints, which are part of eScan Enterprise DLP Managed Group. eScan Enterprise DLP Device Encryption allows you to manage device encryption on Windows endpoints through eScan Enterprise DLP Management Console

Network Access Control

eScan Enterprise DLP Network Access Control helps an organization to control access to shared network drives and folders. This feature provides granular read-only or full access to individual shares, thereby controlling confidential data access and modification.

Disable Print Screen

This will block any screenshot and/or screen-grab process, like Windows Snipping Tool, from capturing desktop screen images. This feature will ensure that users cannot capture sensitive information as an image and transfer it outside. Hence it is an important aspect of DLP.

Sensitive File Protection

This feature will ensure that sensitive data cannot be accessed using any other application except the default application specified. Once a folder is classified as 'sensitive', its contents cannot be changed/deleted in any way. The files can be accessed using only the associated apps, and any kind of editing is blocked to avoid data modification.

Role-Based Access (RBA)

This module allows the creation of roles tailored to the specific responsibilities and tasks a user needs to perform. Role-Based Access (RBA) is used to control system access, ensuring that only authorized users can perform certain actions based on their roles within the organization. It helps define who can access which resources and what actions they are allowed to perform. User roles are defined based on the responsibilities and tasks, with access permissions granted accordingly. Roles can vary, from administrator to group admin, each with its own set of access rights. After a role is created, its settings can be adjusted to manage access to different areas of the eScan Management Console and networked devices.

Logging and Reporting

Incident Response, Reporting, and Forensics

eScan Enterprise DLP provides comprehensive Incident Response, Reporting, and Forensics capabilities to manage and mitigate data loss risks:

- **Incident Handling:** Establish a defined process for responding to DLP incidents, including investigation, remediation, and escalation to compliance officers or regulators as required. This ensures prompt and effective action to minimize the impact of security breaches.

- **Reporting:** eScan Enterprise DLP maintains comprehensive logs and reports of DLP violations and actions taken, ensuring full traceability for compliance audits and regulatory requirements.
- **Forensics:** Is the process of investigating and analyzing data loss incidents to understand the cause, impact, and response actions. It involves the detailed examination of logs and reports related to DLP violations to ensure accountability, traceability, and compliance with regulatory requirements.

URL Visit History feature

The URL Visit History feature lists all of the web addresses (URLs) a user has visited over a given time frame. Many web browsers, such as Chrome, Firefox, and Safari, save the browsing history so that users can easily return to previously visited websites. It also displays the date, time, the URLs that were visited, and the cached content.

Integrations

SIEM Integration

eScan Enterprise DLP seamlessly integrates with Security Information and Event Management (SIEM) systems, enabling centralized monitoring and real-time correlation of DLP events, enhancing threat detection and incident response across the enterprise.

Active Directory (AD) Integration

eScan Enterprise DLP provides seamless integration with Active Directory (AD), enabling efficient grouping and management of endpoints based on the organization's predefined structure. This integration allows for centralized policy enforcement and user access control, ensuring that DLP rules are applied consistently across all endpoints in accordance with the organizational hierarchy and security requirements.

CASB Integration

eScan Enterprise DLP integrates with Cloud Access Security Brokers (CASB), enabling visibility and control over cloud applications and data. This integration ensures consistent enforcement of security policies across cloud environments, preventing unauthorized access and data leaks while maintaining compliance with organizational and regulatory standards.

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Compliance and Data Visibility

Regulatory Compliance

eScan Enterprise DLP helps organizations comply with regulatory standards such as DPDP (Data Protection and Privacy Directive) by ensuring data protection policies are enforced, sensitive data is safeguarded, and compliance requirements for data handling, breach notifications, and audits are met.

Cloud Data Visibility

eScan Enterprise DLP provides comprehensive visibility into sensitive data stored and processed across cloud platforms, enabling organizations to monitor, manage, and secure their cloud-based information. This ensures full control over data access, movement, and sharing, reducing the risk of unauthorized exposure and enhancing compliance with security policies.

Key Highlights

- Secure eScan Management Console
- License Management
- Task deployment
- Policy Templates
- Policy Criteria
- Update Agent
- Auto Grouping
- Session Activity
- Active Directory Synchronization
- Message Broadcast
- Customize Setup
- Manage updates
- Sophisticated File Blocking & Folder Protection
- Inbuilt eScan Remote Support
- 24x7 FREE Online Technical Support through e-mail, Chat & Forums

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