



eScan Data Leak Prevention

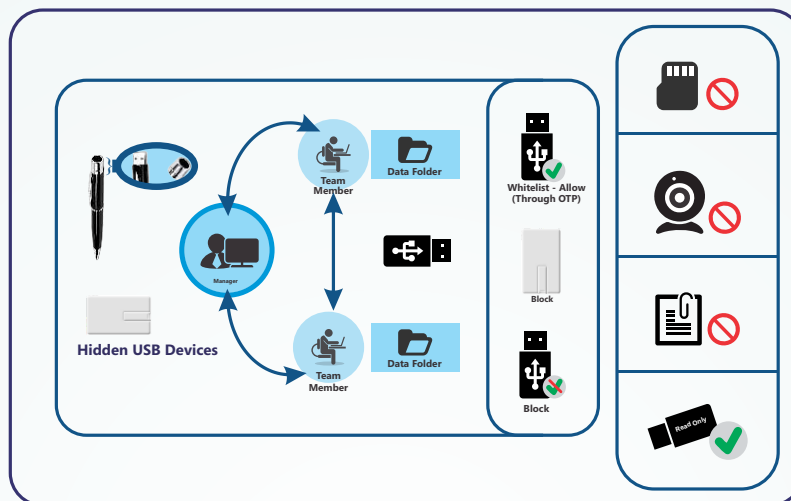
Data Leak Prevention (DLP) is a set of strategies, technologies, and techniques that ensure end users do not transmit critical or sensitive data outside an organization. Whether transmission of data is through message, email, file transfers, or some other way, information can end up in unauthorized locations,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

DLP, as an Enterprise Solution, needs to detect potential data breaches/data exfiltration attempts and prevent 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 needs to employ business rules to enforce regulatory compliance, classification and secure confidential information

eScan-DLP provides Enterprises with a Unified Security Management Solution for managing Data Leak Prevention policies on Endpoints, Servers and Mail Gateways. With its advanced features, it gives protection against exfiltration attempts, monitors sensitive data access and/or leak, permits 360 degree all round visibility of confidential file usage and protection of data tagged as critical by a user.

Why eScan-DLP?

eScan-DLP is equipped with a wide range of advanced features and technologies to protect data in motion or data at rest & 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 & Secure Enterprise-Grade Centralized Management Console that allows you to deploy the solution on endpoints connected to your network. eScan-DLP also provides protection on mail gateways to prevent leakage of critical data through email.



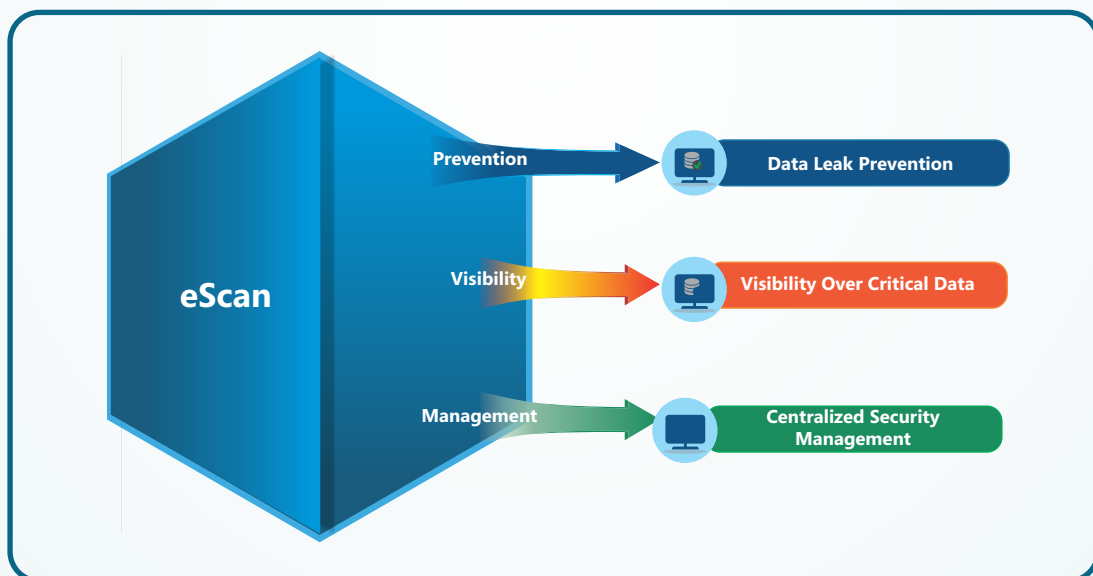
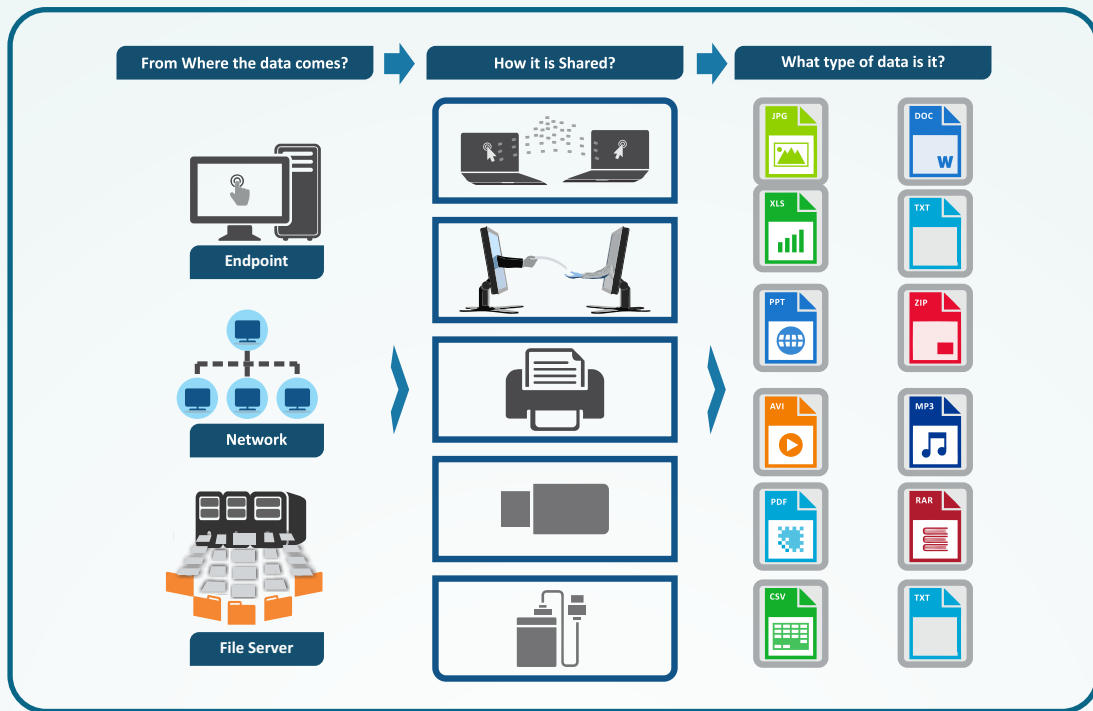
eScan-DLP's advanced Device Control feature helps in monitoring USB devices that are connected to Windows or Mac endpoints in the network. On Windows endpoints, administrators can allow or block access to USB devices such as Webcams, CD-ROMs, Composite devices, Smart-Phones, Bluetooth devices, SD Cards 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 wrong hands. A sub-feature in eScan-DLP's Device Control enables to send 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.

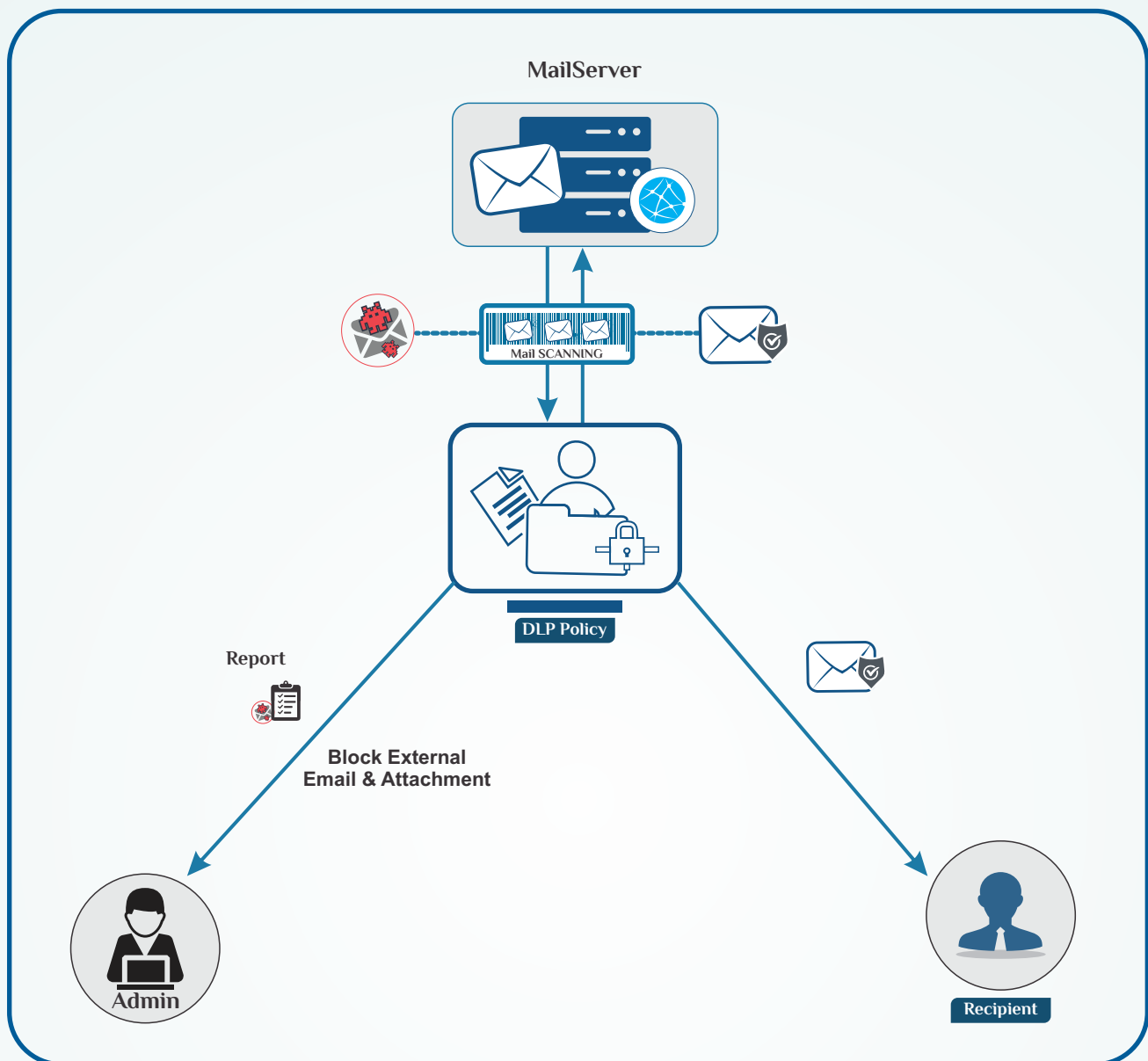
eScan-DLP's password protection feature restricts user access from violating a security policy deployed in a network. For example, assuming the administrator has deployed a security policy to block all USB devices, but someone wants to access it for a genuine purpose, for example – making a sales presentation residing on a USB pen drive. How would an administrator give the user access without violating the current security policy?

OTP is the answer for the same. By generating eScan-DLP One Time Password (OTP) for a specified period of time, for that specific client computer, to disable the module without violating existing policy.

Data at Rest and Data in Motion



Attachment Monitoring/Control



File Attachment Block

eScan-DLP Attachment block feature lets you control attachment flow within your organization. You can block/allow all attachments that a user tries to send through specific pre-defined processes. You can exclude specific domains/sub-domains that you trust, from being blocked even if they are sent through the blocked processes mentioned above. A separate report template is available to receive detailed information through email.

Attachment Report

eScan-DLP Attachment report feature provides you with a comprehensive reporting feature that lets you determine which attachments are allowed or blocked by eScan-DLP. DLP Solution also gives alert to the administrator about attachments being shared/uploaded, source of the file-attachment and the destination.

Content-Aware Controls

This superlative feature enables the administrator to monitor & control the type of information which can be sent outside of the endpoint. Sensitive/Confidential Information, also termed as PII, which many a times are controlled by government regulations (GDPR, for instance) can be broadly categorized as below (new categories are constantly added & can be customized as per customer/country requirements):

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

eScan-DLP filtering for above PII can be applied for various channels like:

- **External Storage Devices (USB, CD/DVD, Bluetooth)**
- **Printers**
- **Network Communication**
- **Password protected docs**
- **International Bank Account Numbers (IBAN)**

eScan-DLP provides advanced methods for data analysis and data scanning:

- **File/Data Fingerprinting (within TXT, DOC, XLS, PDF, Data Packets, etc.)**
- **Content-aware data shadowing**
- **Clipboard control for copy/paste operations**
- **Drag & Drop transfers between Windows and desktop applications**

eScan-DLP Content-Aware Control prevents data leak through email & web channels and supports the following protocols:

- **HTTP/HTTPS**
- **FTP/SFTP**
- **SMB**
- **RDP**
- **SMTP**
- **IRC**

The following categories of applications are supported, which may use any of the above for transmission of critical information:

- **Office Applications (Word, Excel, Power-Point, Libre Office, WPS Office, etc.)**
- **Browsers (Chrome, Edge, Opera, Firefox, etc.)**
- **Packaging Software (ZIP, RAR, 7z, etc.)**
- **Peer-to-Peer – P2P (BitTorrent, Limewire, etc.)**
- **IM and VOIP (Skype, Whatsapp, Viber, Telegram, Messenger, etc.)**
- **Email (Outlook, Thunderbird, BAT, eM Client, etc.)**

Broad Web-based productivity suites supported by eScan-DLP:

- **Microsoft Office 365 (O365), including SharePoint online**
- **Google - G Suite/Google Workspace**
- **Rackspace/Zimbra Webmail**
- **Slack**
- **Zoho workplace**
- **Dropbox**
- **Samepage**
- **Bitrix24**
- **Citrix Sharefile**
- **Adobe Acrobat (Document Cloud)**
- **Apple Office Suite (iWork)**
- **Apache Open Office**

Broad Web Categories Supported:

- **Web Mail**
- **Web Search**
- **Social Networking**
- **Cloud File Sharing Services**
- **Instant Messengers**

Broad Cloud-Based Applications (Including Chat, IRC, Remote-Desktop) Supported:

- **Skype**
- **Whatsapp**
- **Viber**
- **AnyDesk**
- **TeamViewer**
- **Zoom**

Corporate Cloud-Based (Hosted) Email, Storage, Communication Access

There are several other ways that employees using Corporate GMail, O365, Slack, WebEx, Dropbox, etc., for business reasons, put the company's data at risk. To avoid any possible leak, eScan-DLP provides functionality to block personal account access to Cloud-hosted services. This feature ensures that team members can only access the services using their corporate login credentials and not their personal credentials. Following Hosted Services are supported.

- Office365 or O365 (Hosted Outlook)
- Corporate Gmail
- Slack
- WebEx
- DropBox
- Teams

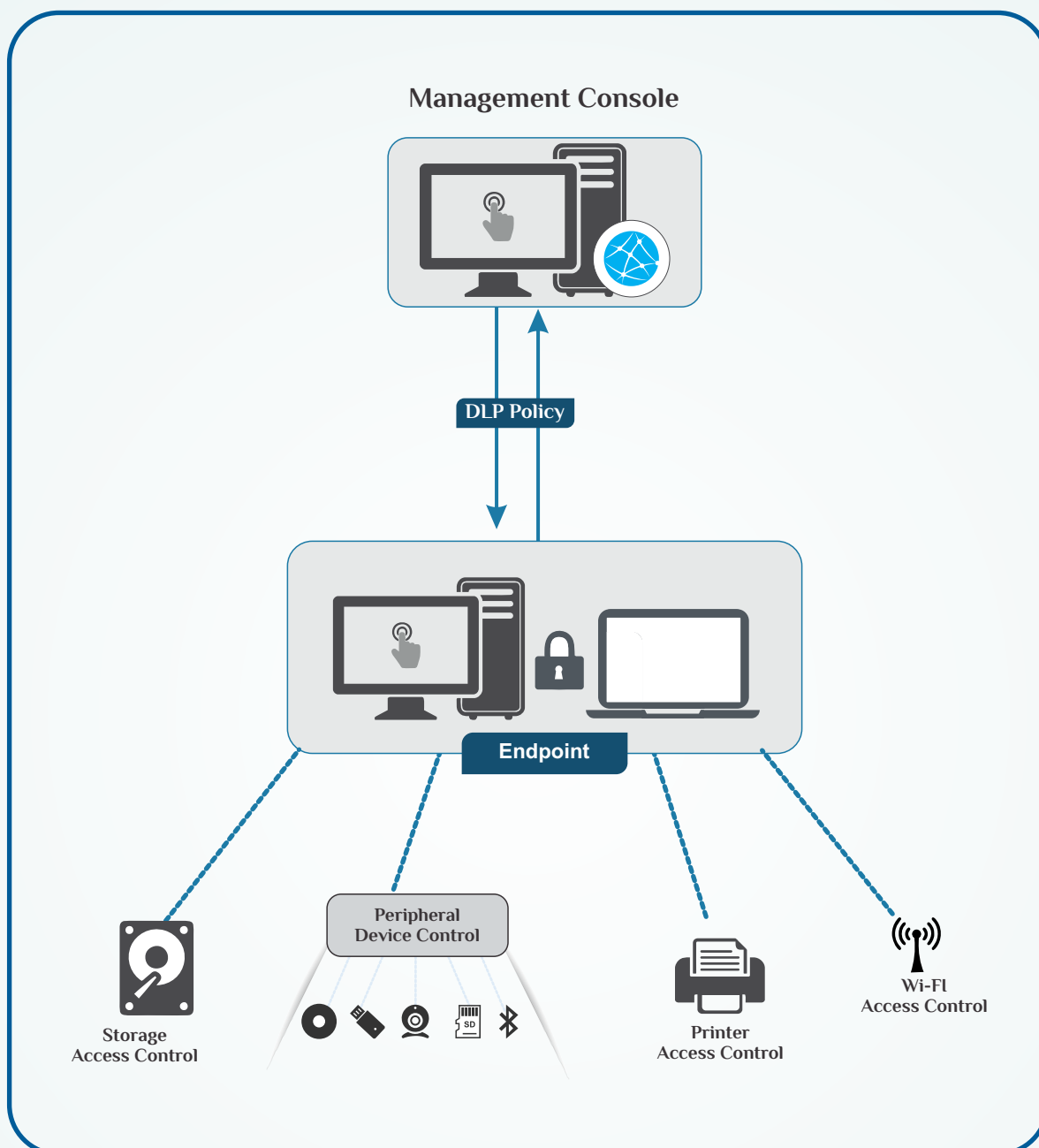
Email Reports

Email is one of the omnipresent business communication tools, that permits attachments, links, and sharing of corporate details with coworkers and customers. eScan-DLP email report provides the administrator with fine details about the recipient, attachment types, size of the email and many more. The administrator can monitor and control the leak of data through emails.

Shadow Copy of files Allowed to be uploaded

This eScan-DLP feature provides copies of files which are transferred over web, email & online storage (Google Drive, OneDrive, Dropbox, etc). With any activity of files being transferred, Shadow copies of these files can be created on the basis of recipients, sender-name and attachment size, which ensures effective monitoring of data being shared or stored.

Device Control



Printer Access Control

eScan-DLP manages the printing activity of sensitive documents. Printer Access Control options can define which data can be printed on specific printers and by whom. One advantage of this technical solution is that in the event of unauthorized activity, the DLP system logs the incident, notifies the user about the risks, and can also block the print. Potential breaches trigger alerts which are then delivered to the administrator. This module also allows the admin to completely or selectively block network printers.

Storage Access Control

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

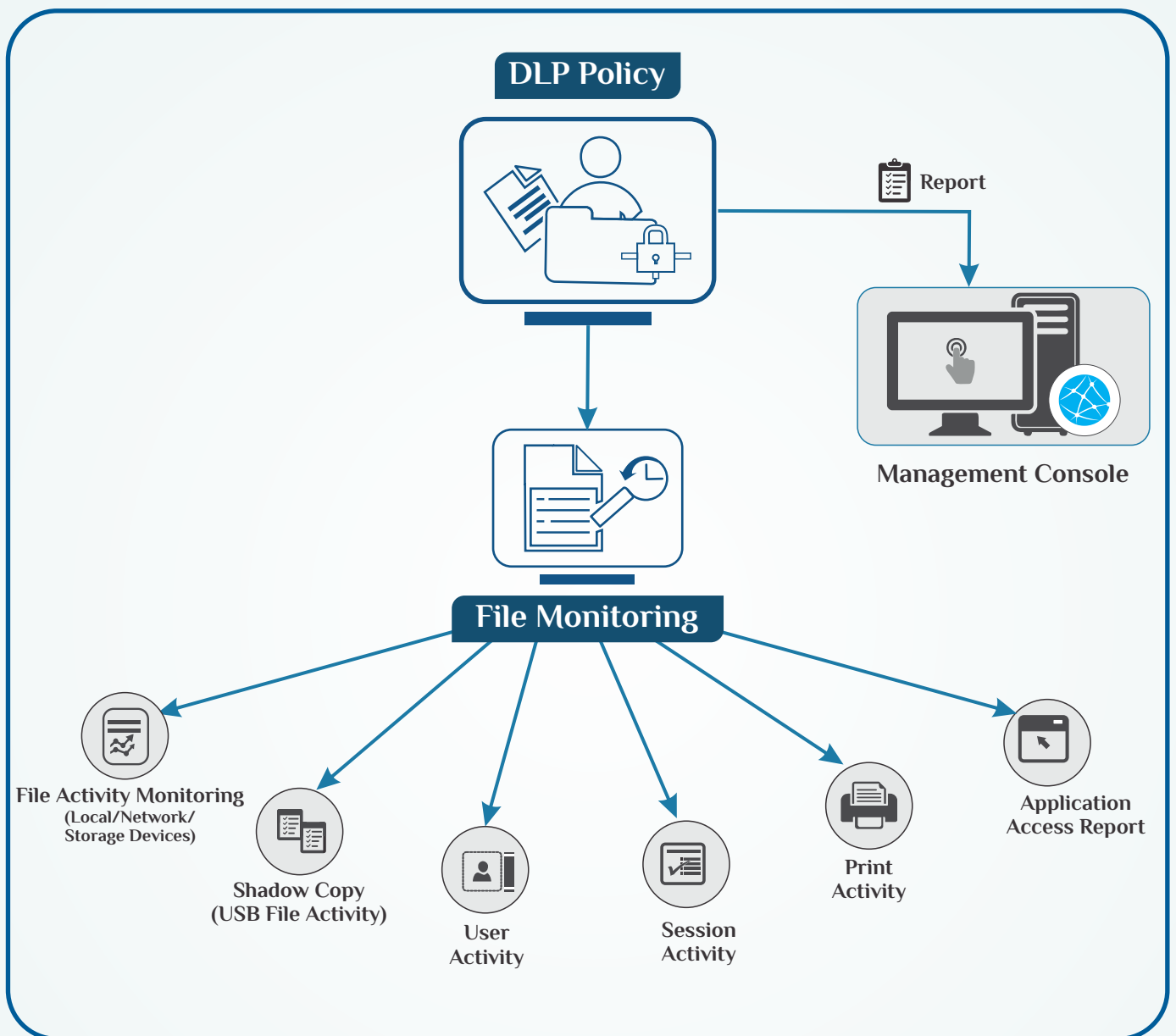
Peripheral Device Control

eScan-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.

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. 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.

Shadow Copy (USB File Activity)

It is a technology that allows you to create a copy of files which a user copies to an external USB drive. This feature allows administrators to audit files those 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 which 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 Logon and Logoff activity, along with remote sessions that took place on all managed computers.

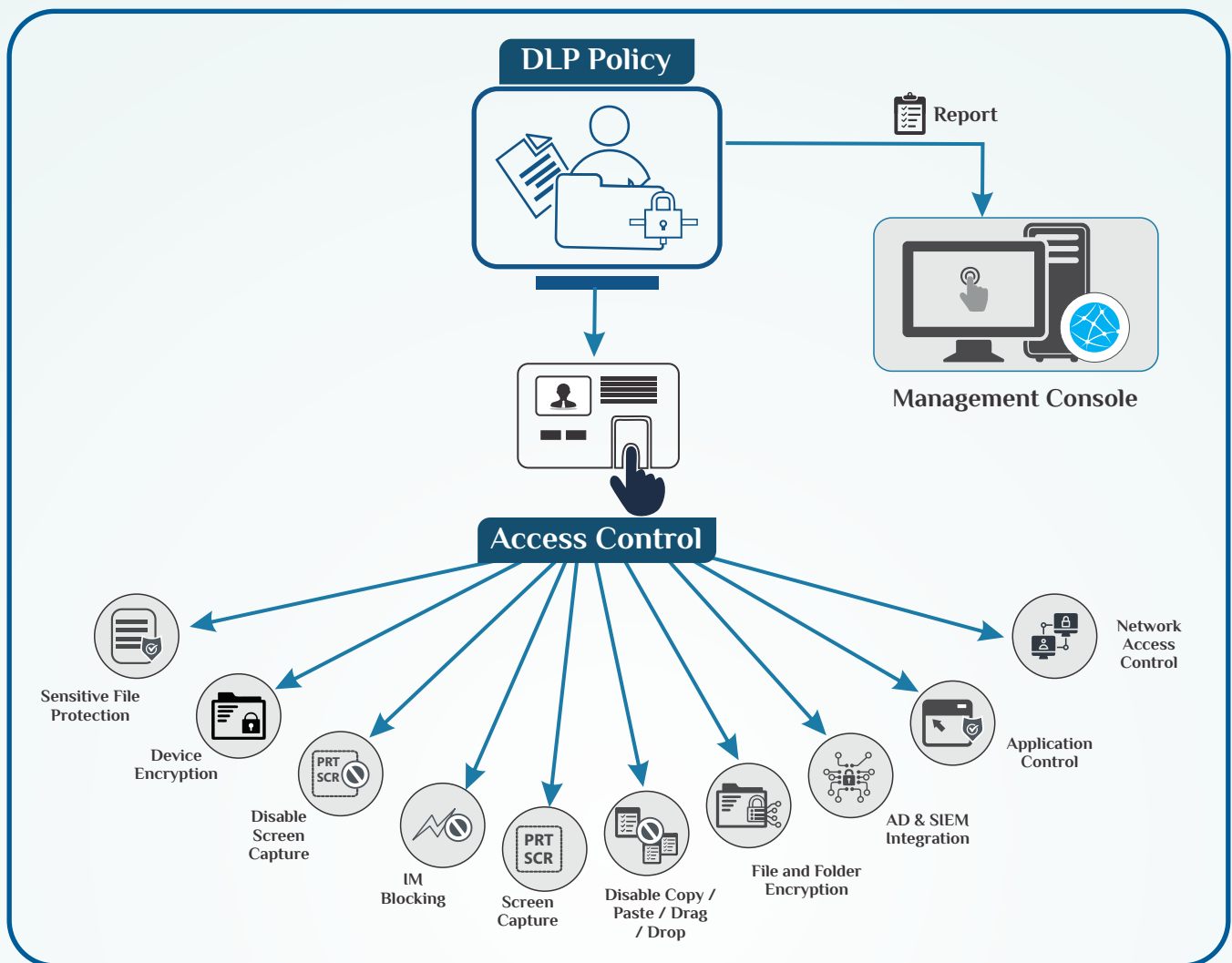
Print Activity

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/or 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, 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 which are part of Managed Computers. The log displays 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 which accessed the app and 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, Opera) through known vulnerabilities such as buffer overflows or boundary-condition errors.

eScan-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. eScan-DLP IM rule provides a blanket block on all attachment and file transfers through Instant Messenger applications.

Screen Capture

Screen Capturing makes it easier to take desktop screen-shots. 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.

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 Copy/Paste option disabled, a user is prohibited from copying any information to the clipboard.

File and Folder Encryption

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

eScan-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.

Application Control

Application Control feature lets you block unwanted applications from being executed on Endpoints. This helps the admin to control the execution of applications on endpoints. Also, eScan-DLP enforces the application control policy to provide continuous monitoring of systems to prevent security breaches, data leak, 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-DLP Managed Group. eScan-DLP Device Encryption allows you to manage Device Encryption on Windows endpoints through eScan-DLP Management Console.

Network Access Control

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

Disable Print Screen

This will block any screen-shot and/or screen-grab process, like windows snipping tool, from capturing desktop screen image. 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.

AD & SIEM Integration

eScan-DLP gives you seamless integration with Active Directory (AD), Event Viewer and SIEM. Integration with SIEM allows you to transfer all DLP Related Events to a SIEM Server for detailed analytics and reporting.

eScan DLP Supported Operating Systems:

Platforms Supported (Windows server & workstations)

Microsoft® Windows® 2019 / 2016 / 2012 / SBS 2011 / Essential / 2008 R2 / 2008 / 2003 R2 / 2003 / 11 / 10 / 8.1 / 8 / 7 / Vista / XP SP 2 / (For 32-Bit and 64-Bit Editions)

Hardware Requirement for Server and Endpoints

For Server

- CPU - 2GHz Intel™ Core™ Duo processor or equivalent.
- Memory - 4 GB and above
- Disk Space (Free) – 8 GB and above

For Endpoints (Windows)

- CPU - 1.4 Ghz minimum (2.0 Ghz recommended) Intel Pentium or equivalent
- Memory - 1.0 GB and above
- Disk Space (Free) – 1 GB and above

eScan Console can be accessed by using below browsers:

- Internet Explorer 11 and above
- Firefox latest version
- Google Chrome latest version

eScanTM

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