SearchInform DLP

Data Loss Prevention and Insider Threat Security

SEARCHINFORM

INFORMATION SECURITY

SearchInform Today

- Over 2,000 customers in 16 countries
- Over 11 years on the DLP market, 21 years in the IT industry
- SearchInform DLP monitors over 1,200,000 PCs
- Experienced deployment and support team
- In-house Training Center

Internal Threats

More and more companies and individuals become targets for malicious actors. The main sources of internal threats are:

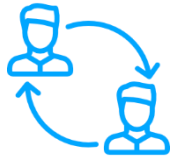
Malicious insiders:

Privileged user abuse, employees using their high access levels to steal sensitive data.

Harmful activities: kickbacks, forgery of documents, drug abuse and distribution, terrorist recruitment, bullying, bashing the company on the Internet, etc. All these may cost a company money and/or reputation.

Internal Threats

Negligent insiders. Such employees may store their password on a piece of paper stuck to the computer screen, plug in a USB flash drive found on a parking lot, send sensitive data to a wrong email, etc.



Exploited insiders can be lured into providing classified information or even making payments to attackers' accounts as a result of blackmailing, social engineering, and other pressure.

Solution

A software solution to tackle these problems must have the following features:

- Monitors in stealth mode
- Controls virtually all information channels
- Includes repository of captured data in order to perform investigations
- Performs monitoring both inside and outside the office
- Detects sensitive content in documents of virtually all types
- Allows you to monitor user screens and employee conversations retrospectively or in real time.

SearchInform DLP Fits the Bill

Each of the components controls its own data channel. The system reveals the paths data travels through and makes all communications transparent.

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Overview

SearchInform DLP protects your business against internal threats from all angles:

1. Controls all flows of information
2. Captures the content of messages and attachments
3. Notifies about security policy breaches
4. Helps to investigate incidents and prevent data leaks

Main objective of the solution is to discover data leaks and harmful activities at the planning stage and prevent them from happening.

How It Works

The software controls:

Communication channels

Email, messengers,
Cloud storages, etc.

Employee activity

Computer activity, transfer of data to USB sticks, document printing

Data at rest

Data stored in network folders, on PCs, etc.

SearchInform DLP Components

MailController

Captures all incoming and outgoing email sent via web browsers (Gmail, Yahoo, Hotmail) or mail clients (Outlook, etc.)

IMController

Captures chats in social networks (LinkedIn, Facebook, etc.) and instant messengers (MSN, Jabber, ICQ and others), as well as incoming and outgoing messages from other popular sites

SkypeController

Captures all communication via Skype:

- Chats
- Calls
- SMS
- Files

SearchInform DLP Components

HTTPController

Captures files and messages sent over HTTP(s) and lets you control:

- Web forums
- Feedback forms
- Browser IM clients
- Web blogs
- Web chats
- Social networks

FTPController

Captures data sent or received via FTP, including encrypted connection (FTPS)

CloudController

Monitors Cloud inbound or outbound traffic:

- Google Drive
- Just Cloud
- Mega
- OneDrive
- Evernote
- Dropbox

SearchInform DLP Components

MonitorController

Takes screenshots and records video of workstation screens. Operates in several modes:

- Takes screenshots on schedule or on event, like program/process start
- Monitors desktops in real time
- Records screen videos

MicrophoneController

Records employee conversations in the office and on business trips via any detected microphone, built in or plugged in:

- Non-stop recording
- Recording can be triggered by a program/process launch
- Recording can be triggered by human speech
- Live sound broadcasting

SearchInform DLP Components

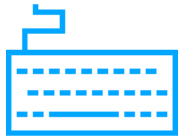
PrintController

Monitors the content of documents sent to printers regardless of the printer model, as capturing takes place at the OS level

DeviceController

Captures the data transferred by users to external devices: scanners, modems, smartphones, tablets, memory sticks, etc. The module detects all occurrences of such devices being plugged in

SearchInform DLP Components



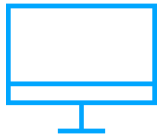
KeyLogger

Captures key strokes (logins, passwords, etc.) as well as data copied to clipboard. Lets you track the credentials used to access potentially dangerous resources

ProgramController

Collects the data on applications run by employees during the day and time spent running the applications. The module detects whether the user actually operated the application or the application just ran unattended

SearchInform DLP Components



Workstation Indexing

Allows you to detect occurrence, copying, movement, and removal of sensitive data on user workstations in real time.

FileController

Monitors the operations on file servers and in shared network folders. Logs all operations with files: opening, copying, modifying, deleting, etc.

SearchInform DLP Architecture

All system modules are based on two platforms. Best results are achieved when they are used in combination:

NetworkController
Control at the network level

Mirrors traffic at the level of the corporate network (switch)

Mail, IM, HTTPS, FTP, Cloud, Active Directory Controllers

EndpointController
Control at the workstation level

Captures employee activity by means of agent-programs installed on workstations

Mail, IM, Skype, Device, FTP, Print, HTTP, File, Monitor, Microphone, Cloud Controllers

SearchInform DLP Analytical Capabilities

There are 2 main criteria based on which DLP systems can be evaluated: number of channels controlled by the system and the system's analytical capabilities. In order to detect suspicious activity in captured data, SI DLP uses **8 types of search**:

- Word search
- Phrase search
- Dictionary search
- Attribute search
- Similar content search
- Regular expression search
- Digital fingerprint search
- Complex search queries

These analytical capabilities of SearchInform DLP allow one information security officer to control up to **1000-1500 employees**.

Smart Search and Automation

Search within video recording of user activity

To find a necessary fragment of video, you just need to select a potentially dangerous event, for example, software launch, and start viewing the recording from the particular moment.

Analysis and classification of images

SearchInform DLP classifies data that that circulates inside a company. Classifiers help to detect documents of standard patterns: passports, bank cards, driving license, etc.

Image authentication

The system detects various methods of image falsification: copy and past of fragments, addition and removal of fragments, etc. Places falsified in the image are indicted in the expertise results.

Speech recognition

This feature allows controlling content of employees communication. Audio recordings are automatically transcribed into text and checked against security policies. The process is local: data does not leave the corporate network.

SearchInform DLP Analytical Capabilities

The system lets you combine the single queries to create complex search algorithms that form the information security policies. SI DLP includes **over 250 predefined security policies:**

- **Universal security policies** for detecting kickbacks and bribery, negative attitudes among the staff, etc.
- **Industry specific policies:** agriculture and forestry, mining, manufacturing, gas-, energy-, and water supply, construction, trade, transport and logistics, information and communications, finance activity, insurance, state management and defense industry.

What Happens After Incident Detection

As soon as the system detects a suspicious activity or a policy violation, it sends **a notification** to the designated security officer who then initiates an investigation. Analytical capabilities of the system allow you to restore all necessary details and prevent data leaks.

SI DLP also generates **over 30 reports**, which help optimize work processes:

- For a supervisor to increase employee productivity
- For an HR to improve work discipline
- For the IT department to automate hardware and software control

Technical Advantages

1 **Unique technologies of content analysis**

The system considers similarity of meaning and detects even edited confidential documents.

2 **Archive of captured data**

The system saves all captured data to an archive. You can always recheck the stored data against new information security policies.

3 **Investigation tools and evidence base**

The software complex not just detects violations, but it also collects evidence: illegal actions are backed up with screenshots, audio and video recordings.

4 **Real time monitoring**

The software complex allows connecting to user's monitor and mic and watch the actions live.

Technical Advantages

5 **Transparency of connections inside and outside the company**

The system analyzes internal and external social connections of employees. The map of interactions helps to lead investigations.

6 **Broad picture of activity**

Detection of user actions in SW, audit of operations, keystrokes, audio and video recording give a broad picture of user activity.

7 **PC and network resources under control**

Information security officers are able detect sensitive data in locations where such data is not supposed to be stored.

8 **Reports on software and hardware**

The system facilitates stock-taking and software monitoring. It allows you to optimize IT-department performance and avoid unnecessary expenses.

Technical Advantages

9 Adaptation for small offices and branches

This peculiarity allows using the system in remote offices with less computers and narrow channel of communication. Filtration, processing, compression and encryption of data are performed locally. Only after this, data is transmitted to the main server.

10 Agents for Linux OS

SearchInform DLP is integrated with Astra Linux, ROSA Linux and GosLinux Russian OSs.

Why SearchInform DLP

Installation takes just 2-3 hours

And this can be done by your IT staff. You don't have to disclose your internal documents and processes.

The deployment will not interfere with your work processes

SearchInform DLP installation does not require any changes in your local network structure. Thus the product deployment will not cause any downtime or change established processes.

SI DLP protects your data offsite

It operates not only at the level of the local network but also at the level of each separate computer. The software secures your data even when employees work from home or while on business trips.

Why SearchInform DLP

Flexible licensing

SearchInform DLP is a multi-component system. The customer can purchase the full software suite or selected modules.

Constant support of the deployment department

SearchInform teaches how to operate the software, helps to work out security policies, provides consulting on the interception analysis and keeps you updated on the new software features and capabilities.

Free trial version for 30 days

You get to test the product and understand its value for your business before you buy it. Full functionality and training are provided during the trial.

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START YOUR FREE TRIAL TODAY!

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