



**SECURITY
DAYS**

HOW TO PROTECT SENSITIVE DATA AGAINST INSIDER THREATS

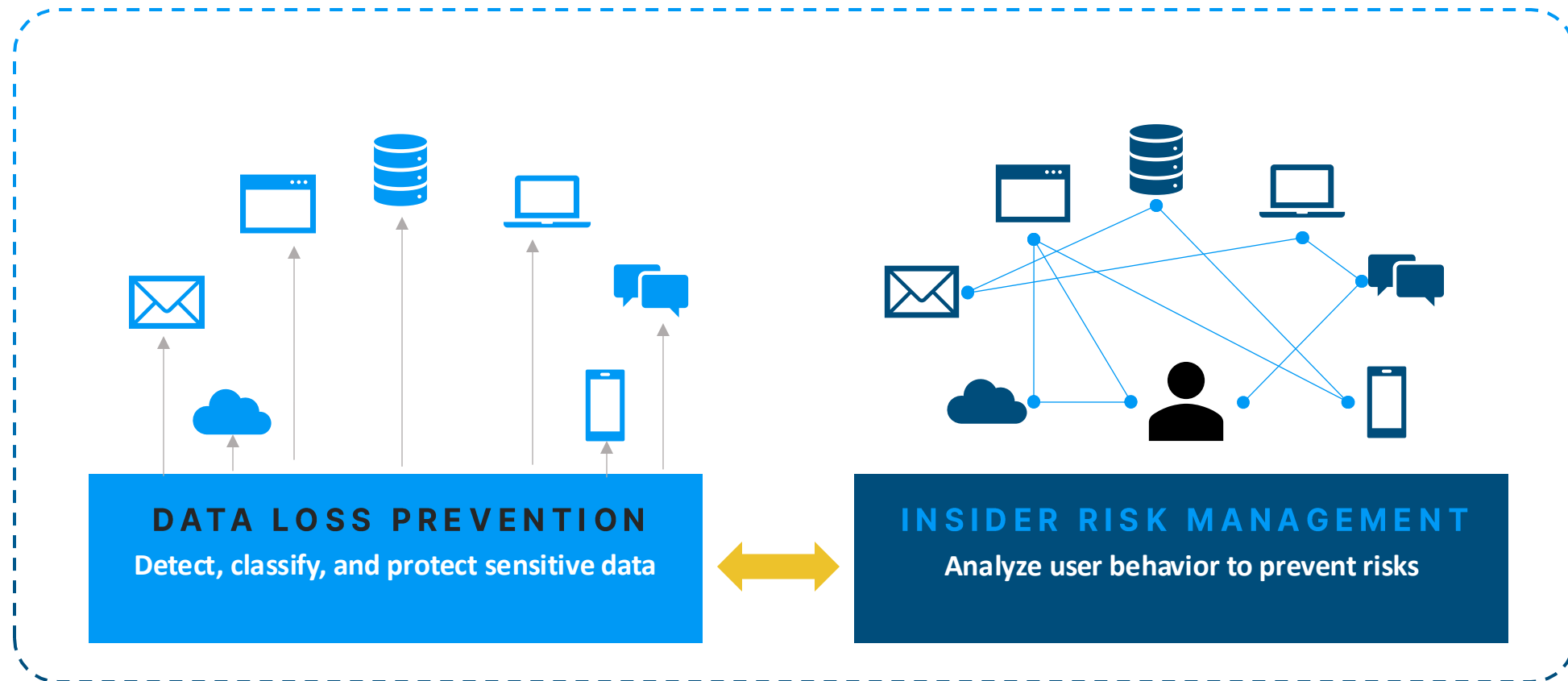
Lubos Milan - Safetica Regional Sales
Director EMEA

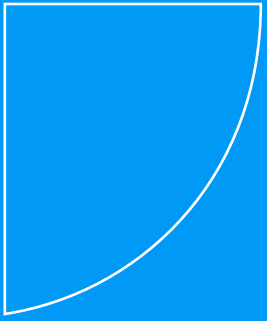
Rugsėjo 5 d. 2024

KIBERNETINIO SAUGUMO KONFERENCIJA

esd.eset.lt

INTEGRATED DATA LOSS PREVENTION and INSIDER RISK MANAGEMENT SOLUTION





**What are insider
threats?**



Javier

37 YEARS OLD

FINANCIAL ANALYST

BEHAVIOR: COMFORTABLE

Martín

40 YEARS OLD

SYSTEMS ENGINEER

BEHAVIOR: LAZY





Alejandra

29 YEARS OLD

SALES EXECUTIVE

BEHAVIOR: DISTRACTED

Luis

24 YEARS OLD

ADMINISTRATIVE ASSISTANT

BEHAVIOR: DEMOTIVATED



COMFORTABLE

LAZY

DISTRACTED

Do you know people like
them?

DEMOTIVATED



COMPETITIVE ADVANTAGE

INTELLECTUAL PROPERTY





CUSTOMER CONFIDENCE

PENALTIES FOR PRIVACY VIOLATION



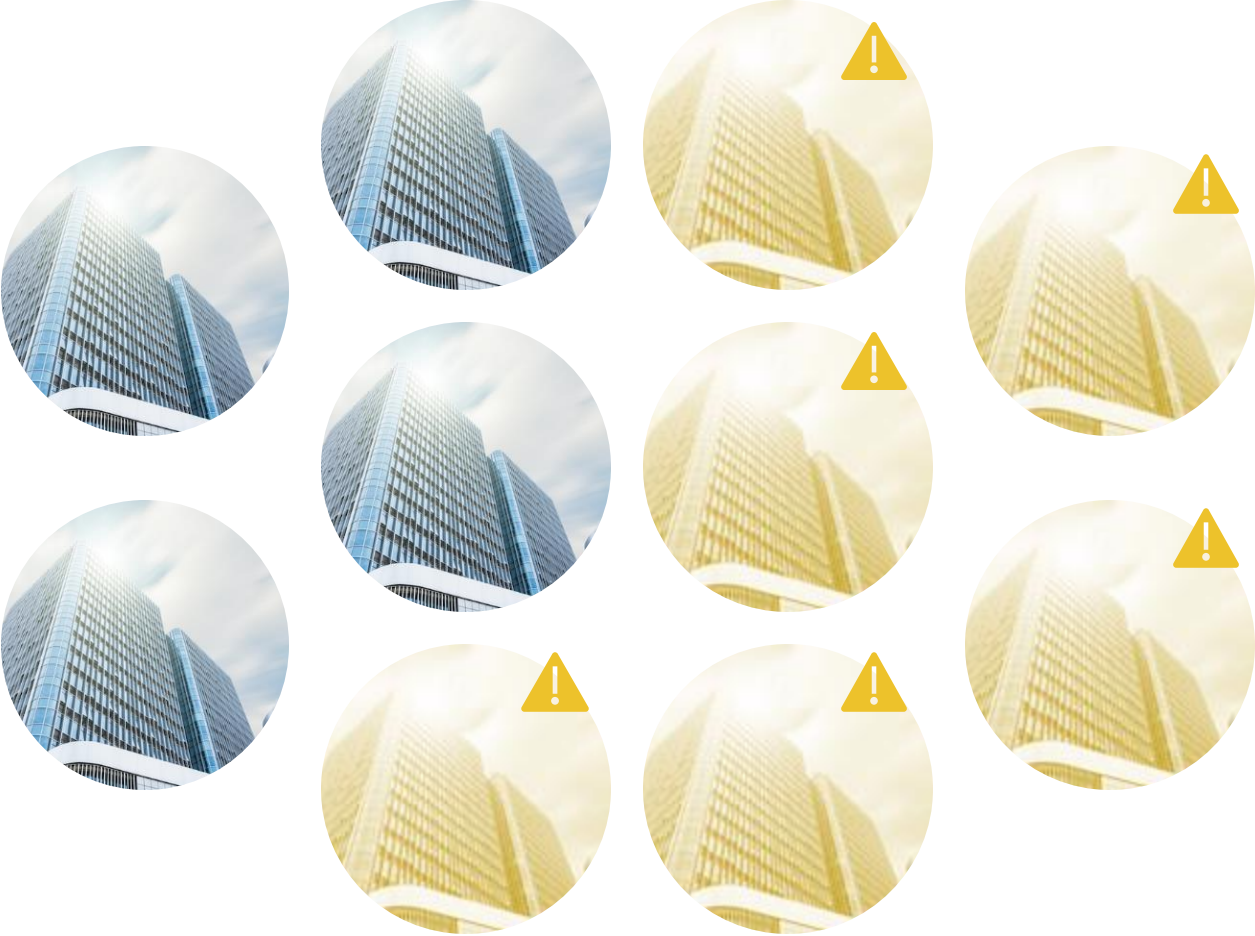


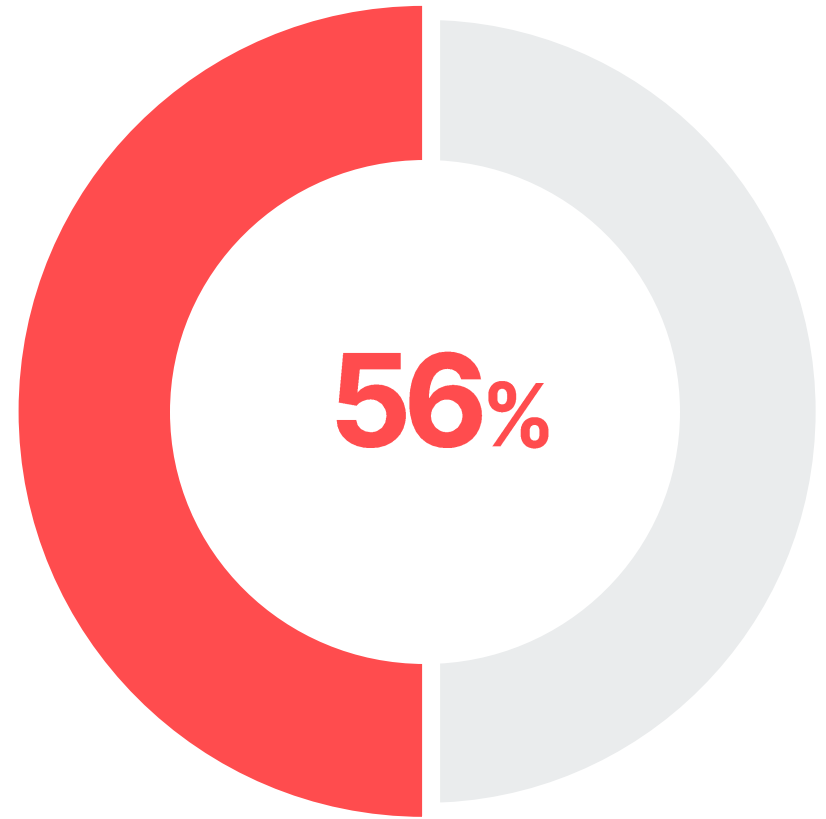
**Non-malicious insider risk
continues to pose the greatest
risk to organizations.**

Source: 2023 Report, Insider Threat. Cybersecurity Insiders.

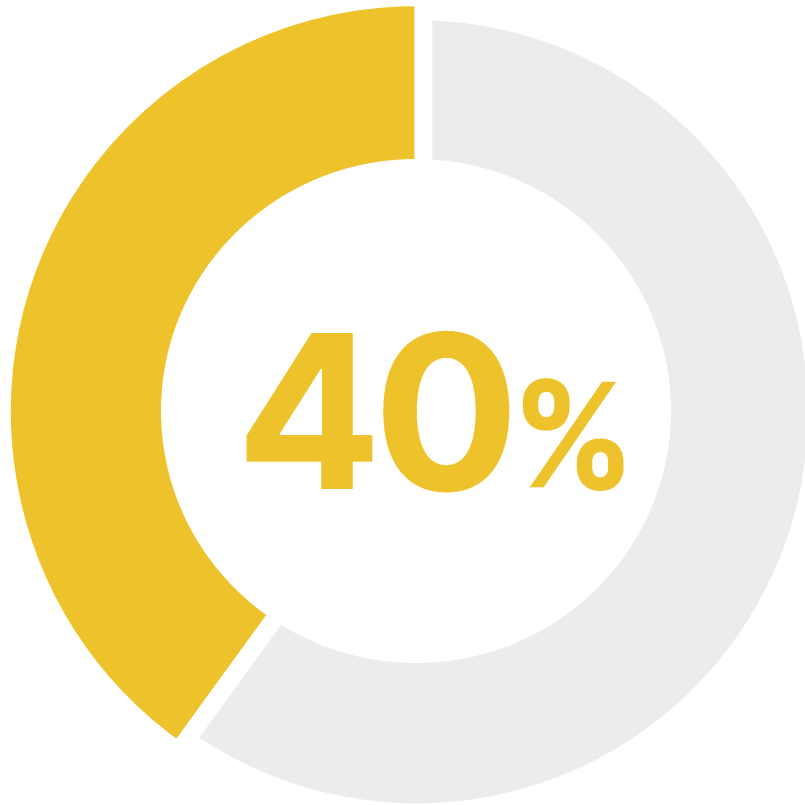


of companies **suffered an internal attack** in the last 12 months



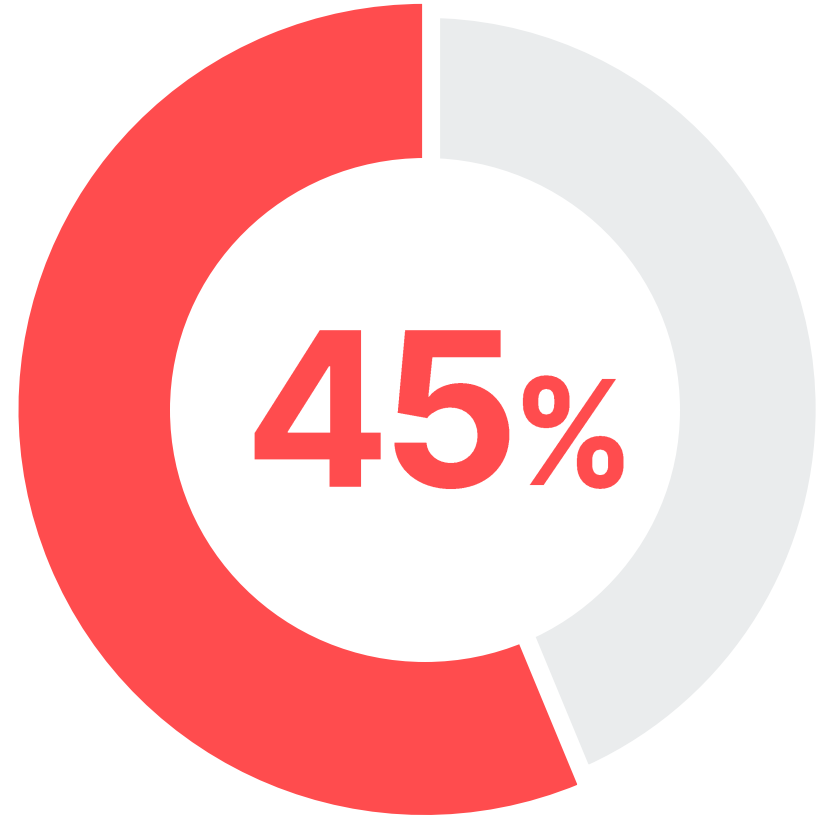


of insider-related incidents
caused by a **negligent employee**



of employees admitted they
**sent information to the
wrong person**





of employees **take work-related data with them** when they leave

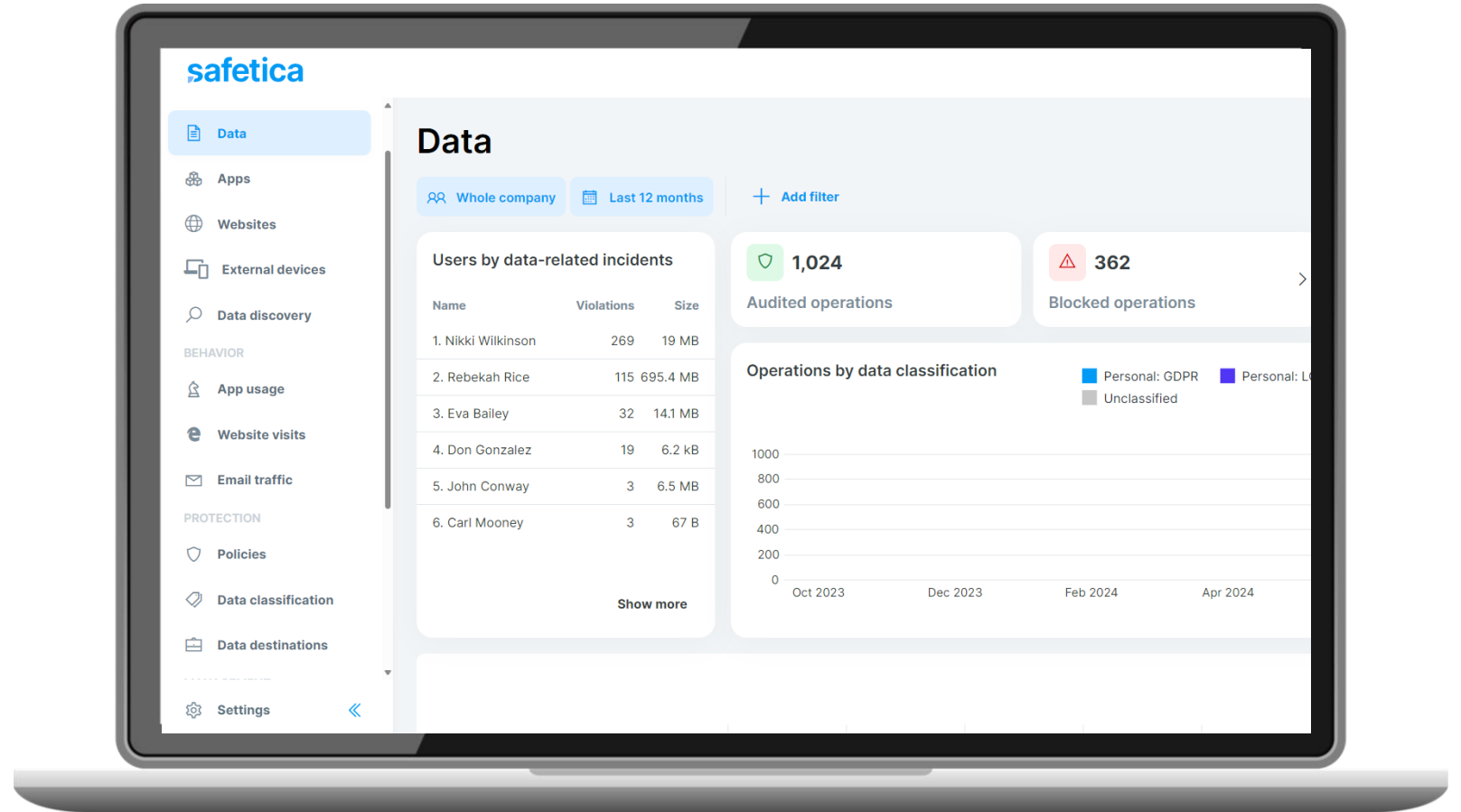
How can **Safetica** help you?

DISCOVER

PROTECT

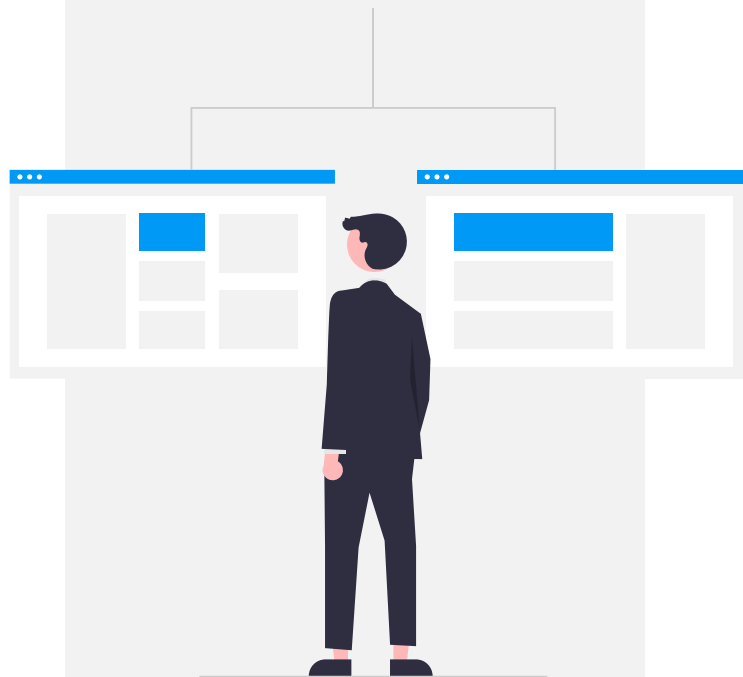
EDUCATE

INVESTIGATE



1

DISCOVER



How can Safetica help you?

Detect all forms of sensitive data

With Safetica Unified Classification, you can detect and protect data based on content, origin, file type, and even third-party classifications.

Data Classification

Rules



This data classification will be applied to files that match ANY of the rules.

IF THE FILE CONTAINS

- Predefined Algorithms
- Keyword
- Regex

IF THE FILE WAS TRANSFERRED FROM

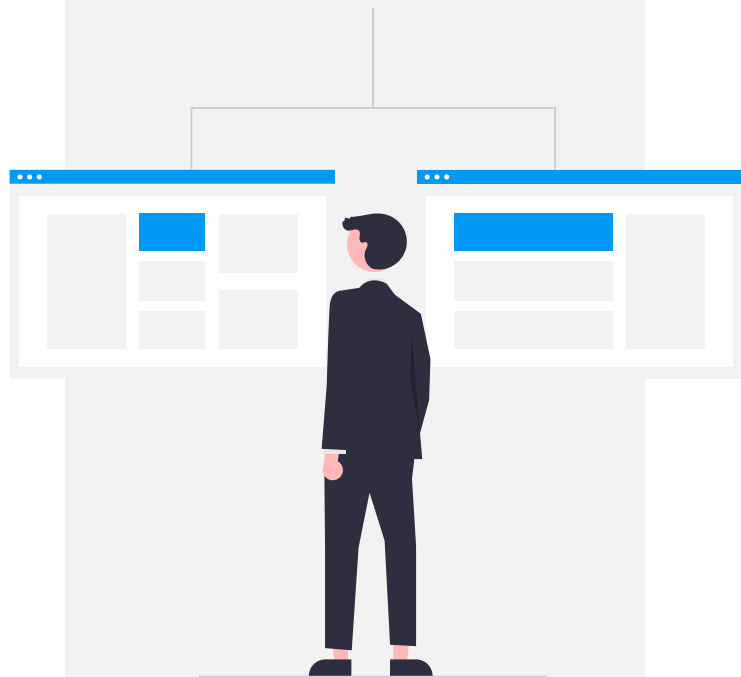
- App category
- File path
- Website

IF THE FILE TYPE IS

- File type

1

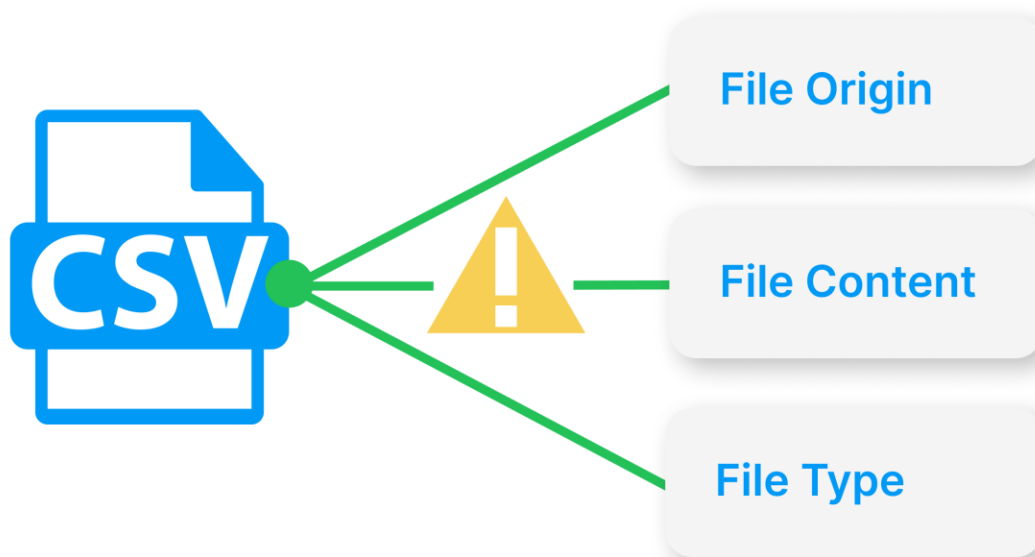
DISCOVER



How can **Safetica** help you?

Reduce false positives

Safetica combines content analysis and context awareness — where the data originated and where it has been — to more accurately classify data.

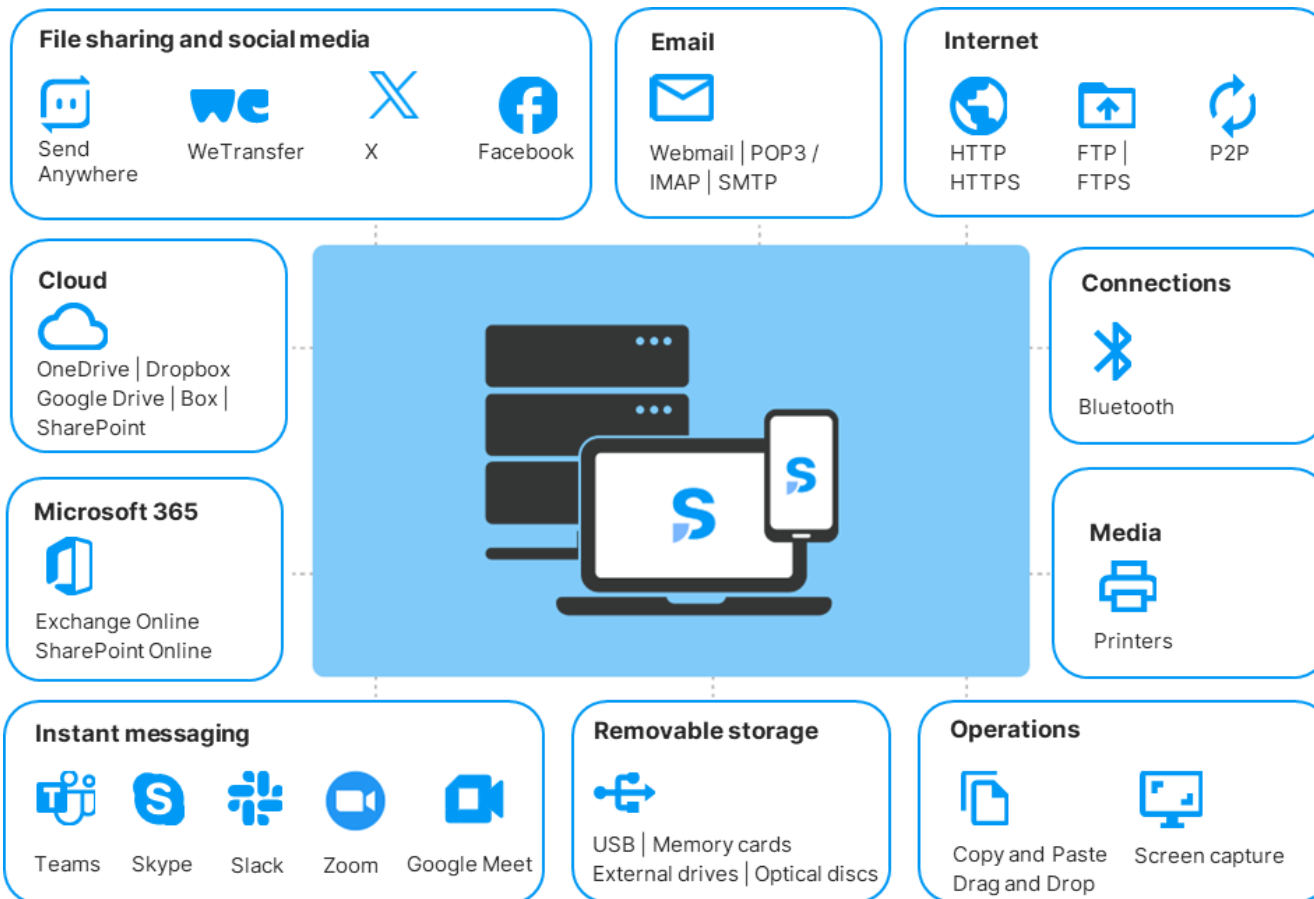


2

PROTECT



How can Safetica help you?

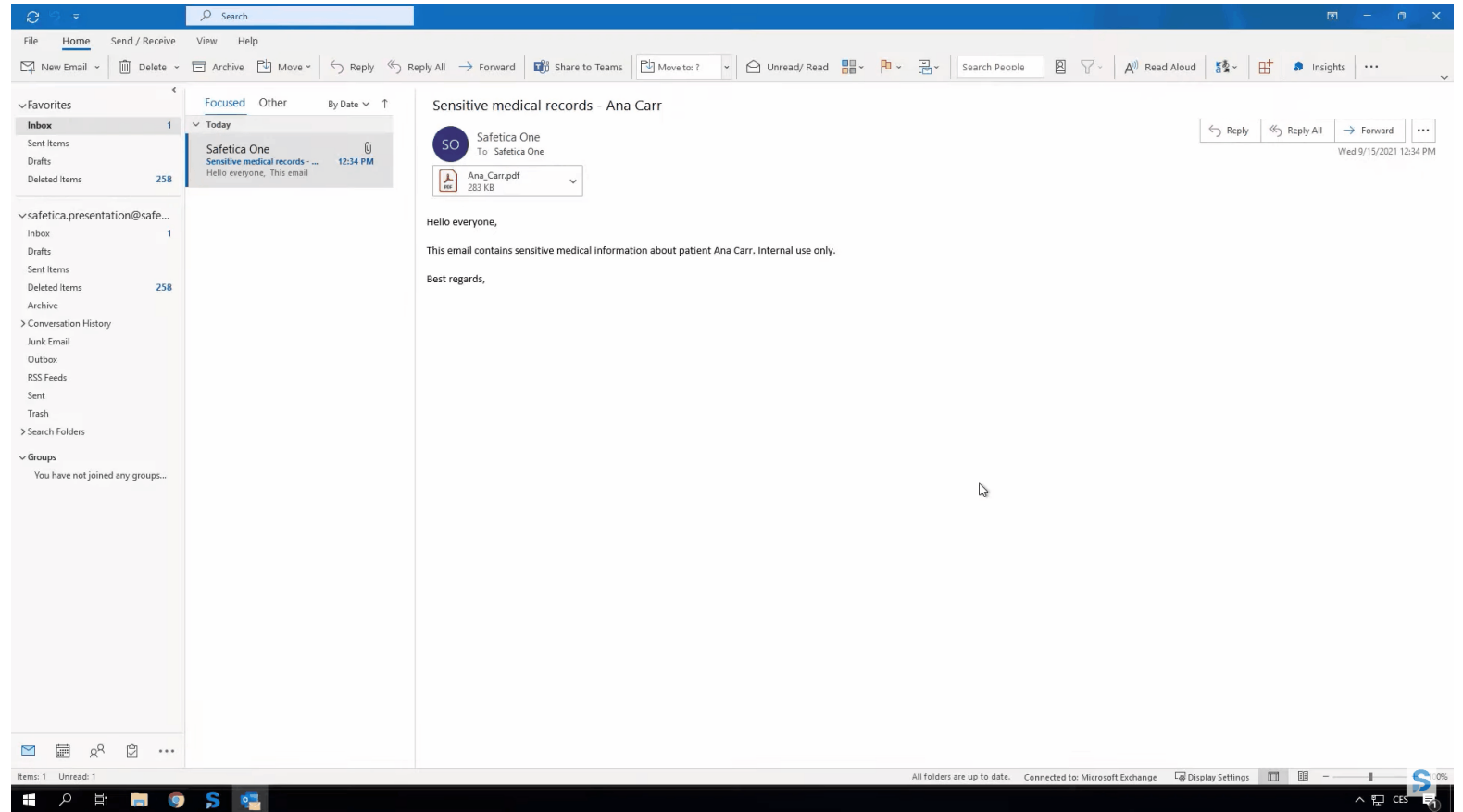


2

PROTECT

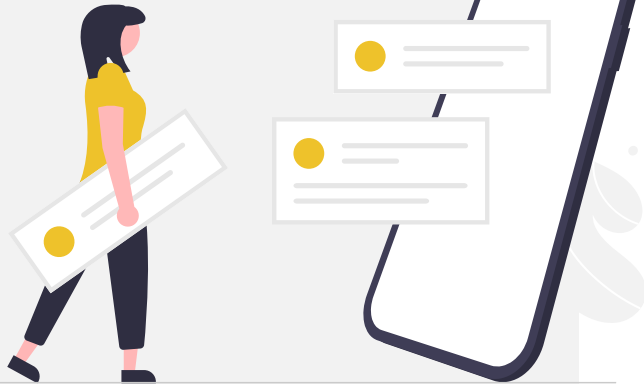


How can Safetica help you?

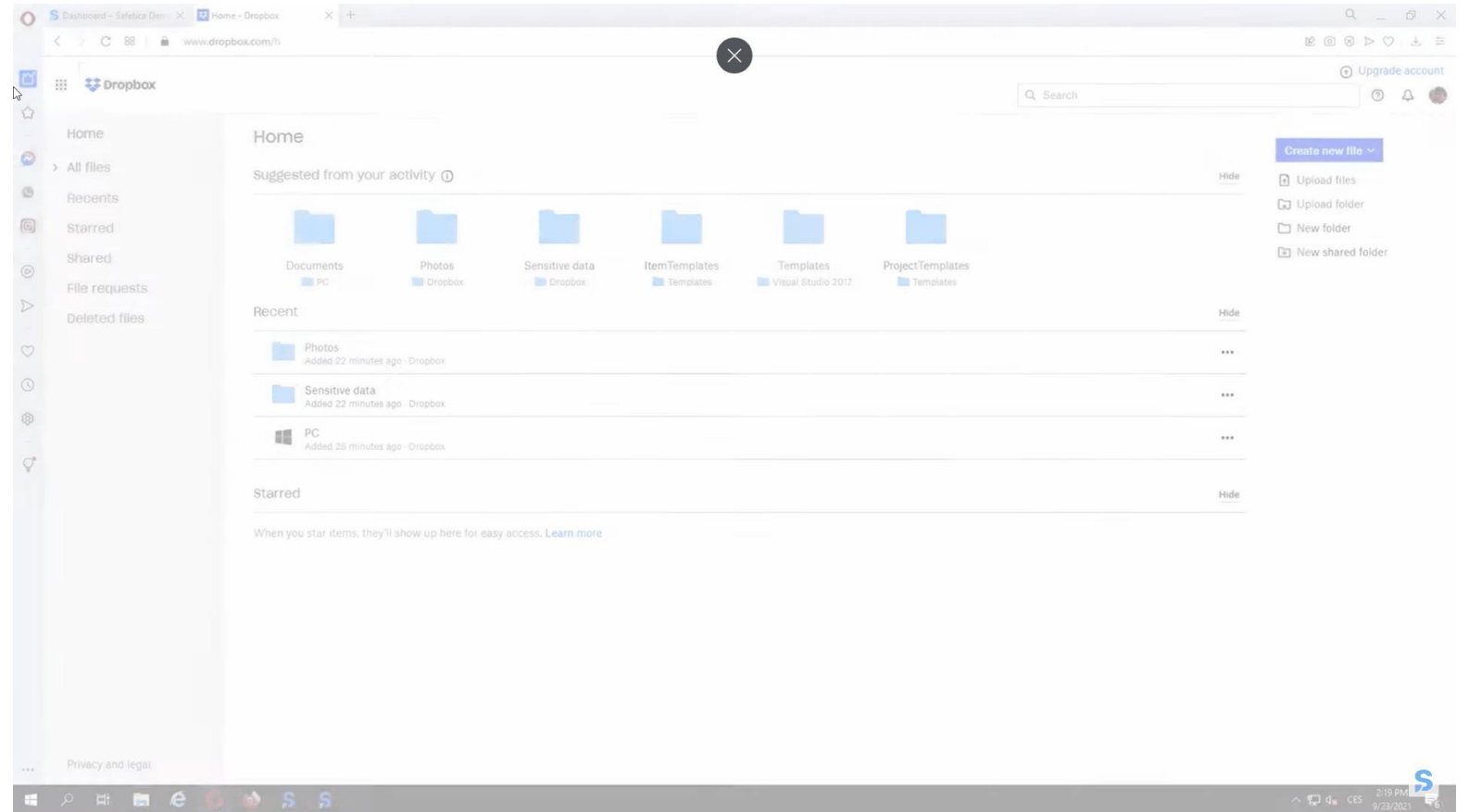


2

PROTECT



How can Safetica help you?



2

PROTECT



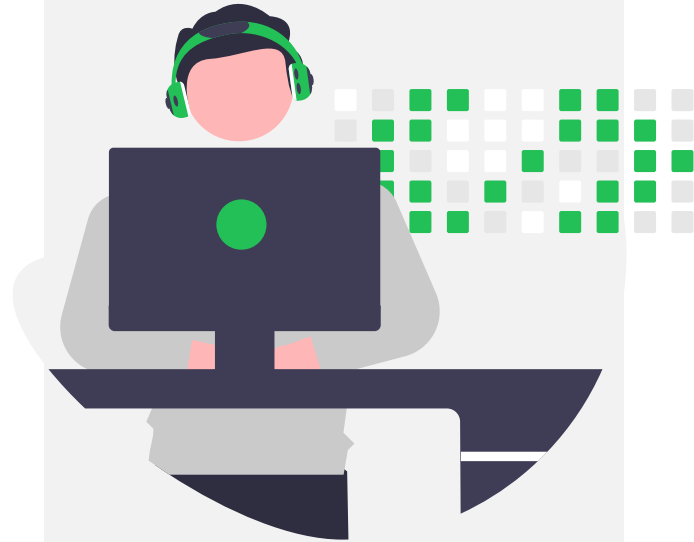
How can Safetica help you?

```
641     return;  
642   }  
643  
644   const eligibleTokens = meetThreshold  
645     .map(({ symbol }) => accountBalances.find(t => t.symbol == `FW${symbol.slice(0, 1)}`))  
646     .filter(b => !!b)  
647     .filter(({ amount }) => amount > 0);  
648  
649   if (!eligibleTokens.length) {  
650     console.log(`${yellow("Warning")}`, 'No token deposit is possible', yellow(rawAccountBalances.join(", ")));  
651     return;  
652   }  
653  
654   const depositables = eligibleTokens  
655     .map(({ amount, symbol }) => {  
656       const max = Configs.maxDeposit.find(t => t.symbol == symbol);  
657       return { amount: Math.min(amount, (max && max.amount) || Infinity), symbol };  
658     })  
659     .map(  
660       ({ amount, symbol }) =>  
661         `${amount.toLocaleString("en", {  
662           useGrouping: false,  
663           minimumFractionDigits: 4,  
664           maximumFractionDigits: 4,  
665         })} ${symbol}`  
666     );  
667  
668   const delay = Math.round(Math.random(delayMin, delayMax, true), 2);  
669  
670   console.log(`\tDepositing ${yellow(depositables.join(", "))}`, `(after a ${Math.round(delay)}s delay)`);  
671   const actions = [makeDepositAction(account, depositables)];  
672  
673   await waitFor(delay);  
674   await transact({ account, privKeys: [privKey], actions });  
675  
676  
677   async function runTasks(account, privKey) {  
678     await depositTokens(account, privKey);
```

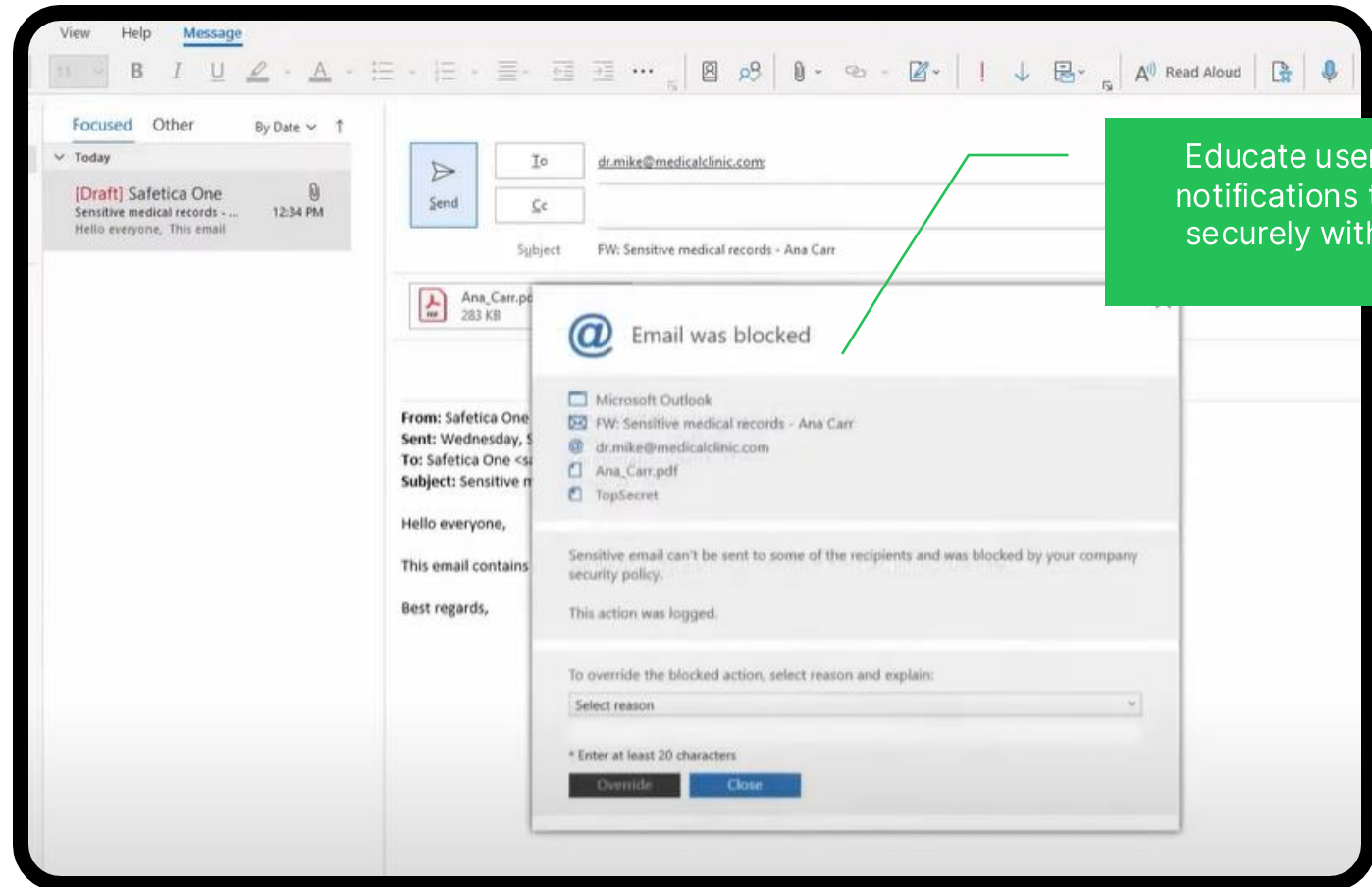
Protect the company's source code from leaking to ChatGPT

3

EDUCATE



How can Safetica help you?



Educate users with notifications to work securely with data.

4

INVESTIGATE

How can Safetica help you?

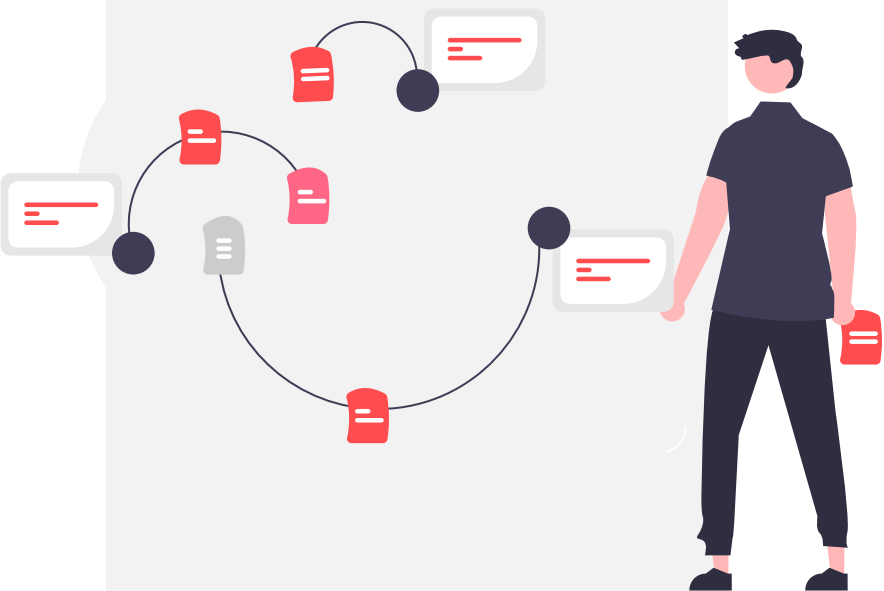
The screenshot shows the Safetica ONE interface. On the left is a navigation menu with sections: DASHBOARDS (Data, Apps, Websites), PROTECTION (Policies, Data classification, Data destinations), and MANAGEMENT (Users, Devices, Scheduled reports). The main area is titled 'Data' and includes filters for 'Whole company', 'Last 30 days', and 'Action is "Block"'. It features a table 'Users by data policy violations', a bar chart 'Audited events' (362), and a table 'Events by data classification'. At the bottom is a table of file violations.

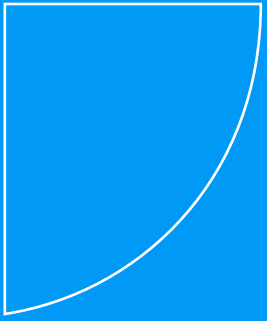
Name	Violations	Size
1. Nikki Wilkinson	269	19 MB
2. Rebekah Rice	115	695.4 MB
3. Eva Bailey	32	14.1 MB
4. Don Gonzalez	19	6.2 kB
5. Carl Mooney	3	67 B
6. Erika Vargas	2	400 B

File	Data classi...	Size	User	Action
malta_roof_don-drysdale_construction.woff2		632.8 kB	Eva Bailey	Block
regional-danielle-steel-brazzaville-sm.woff		7 B	Eva Bailey	Block
ceiling-austria-noel-paul-stookey-data.wai		8.8 kB	Rebekah Ri...	Block
switzerland_style_asuncion.wad0000		17.5 kB	Rebekah Ri...	Block
mark-hamil_astana_style.wad		8.8 kB	Rebekah Ri...	Block
kuwait_mining_charlize-theron_sidebar_shed.w3z		8.8 kB	Rebekah Ri...	Block

The screenshot shows the details for a file named 'malta_roof_don-drysdale_construction...'. It includes file details (type: Unknown, size: 632.8 kB) and a list of actions taken by policies in the last 7 days (11 actions).

Action	Time
Eva Bailey transferred malta_roof_don-drysdale_construction.woff2 via Email	Jan 21, 2024, 1:49:35 PM
Rebekah Rice transferred 9 sensitive files to facebook.com	Jan 21, 2024, 11:49:35 AM
Rebekah Rice transferred malta_roof_don-drysdale_construction.woff2 to Dropbox	Jan 21, 2024, 8:59:35 AM
Eva Bailey transferred malta_roof_don-drysdale_construction.woff2 to Skype	Jan 20, 2024, 11:59:39 PM
Eva Bailey transferred malta_roof_don-drysdale_construction.woff2 to Skype	Jan 20, 2024, 11:59:38 PM





Protection starts NOW



Security and Workplace Audit

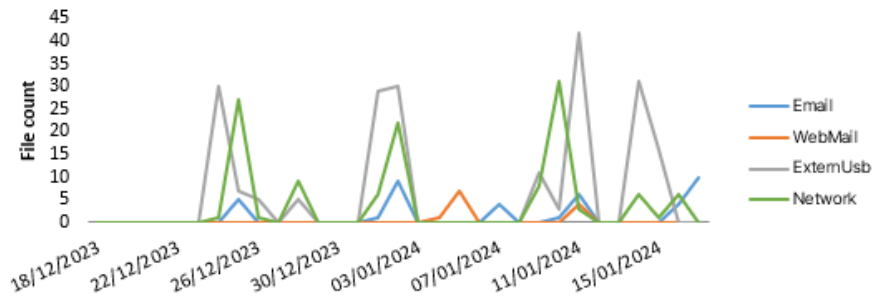
AUDITED DATA

- 4 GB of data
- 1,012 file operations
- 1,000 files
- 433 outgoing files

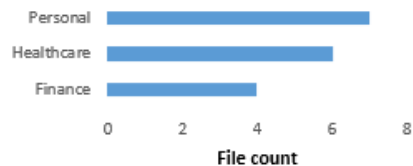
AUDITED ENVIRONMENT

- 179 user accounts
- 0 devices with Safetica
- 28 devices in total
- 76 Safetica admin accounts

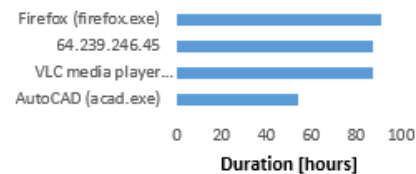
When were sensitive files sent?



What data classifications did files have?



What were the most common / activities?



Would you like
to know what
data is at risk?



Security and Workplace Audit

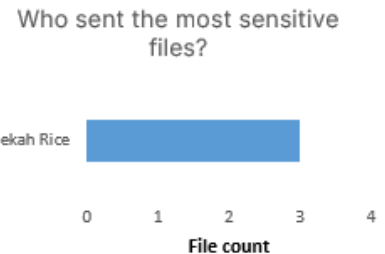
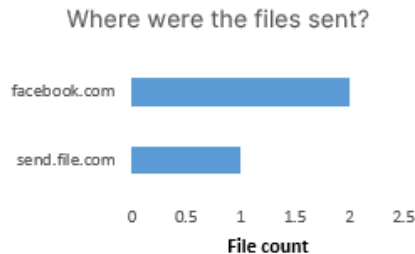
FILES UPLOADED TO THE WEB

Uploading files to the web is a popular way for users to share larger files that can't be sent as email attachments. It is, therefore, important to create policies for web upload.

Company files uploaded to public websites can be instantly downloaded by strangers and thus you may lose control of them.



There was an attempt to transfer 3 files not identified as sensitive to web upload. Your policies blocked these file transfers.



Would you like to know **who** send your sensitive data and **where**?



Security and Workplace Audit

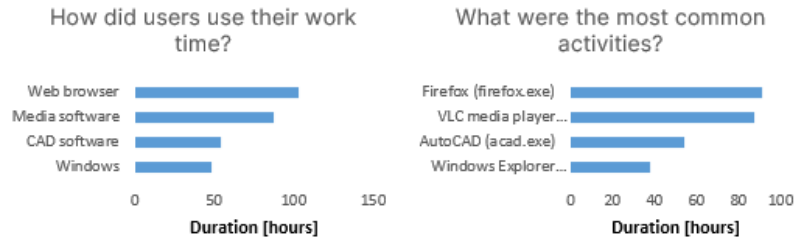
ANALYSIS OF APPLICATION USAGE

Understanding which applications users use helps companies discover where there are security risks and how expensive licenses are used.

Clearly defined rules for using applications increase company security.



You have blocked risky applications so that they cannot be used by users.



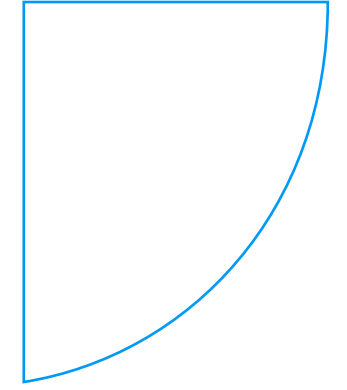
[Show detailed records in Safetica.](#)

RECOMMENDATIONS

- Check which applications are used. Evaluate if application categories need to be modified.
- Set application policies to prevent the use of risky or harmful applications.
- Set regular automated reports about how applications are used.

Would you like
to know how do
employees use
their work time?





Shield your data. Stop leaks. Spot risks.

Data Loss Prevention and Insider Risk Management

safetica