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Data-driven Privacy

A proactive approach towards
GDPR compliance

Christopher Coppess

Senior Sales & Account Manager International

01

infodas at a glance

infodas at a glance.

50

50 Years Cybersecurity Excellence

2024

An Airbus subsidiary specialized in Cyber & IT

~270

~ 270 experts in IT, AI & Cybersecurity

~54

~ 54 million € turnover

Sectors

Defense, Public / CI, Security

Portfolio

Cross Domain Solutions	Cybersecurity Consulting & Security Testing	IT & AI Consulting

infodas Cybersecurity Solutions.

Products & Software

- Secure Domain Transitions (SDoT)
- infodas connect.
- SDoT Secure Network Card

Cybersecurity Consulting

- Security conception
- ISMS consulting/support
- Audits and audit support
- External ISB/DSB
- Penetration tests

IT Consulting

- Requirements management
- Quality management
- IT architectures
- Artificial Intelligence

Badges & Certifications.

Zertifizierter IT-Sicherheitsdienstleister

DEU SECRET

EU SECRET

NATO SECRET

BUREAU VERITAS

COMMON CRITERIA

Trust Seal www.teletrust.de/itsmie

ITAR free products and services

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02

GDPR complaince

General Data Protection Regulation & Data Leakage

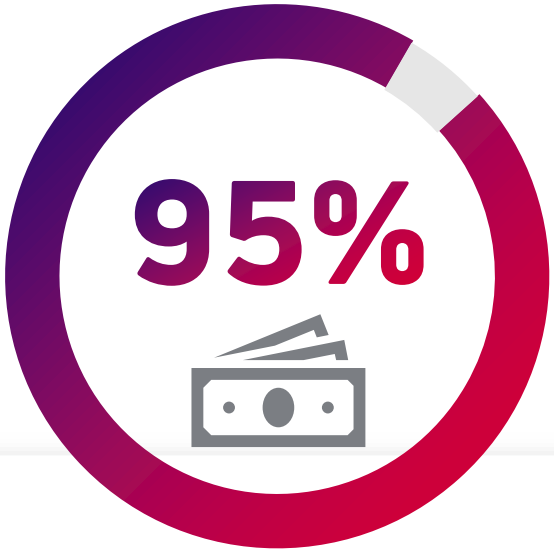
GDPR compliance means handling personal data in a lawful, transparent, and secure way that respects people's privacy rights.

GDPR: Can Public Authorities Be Fined? (EU)

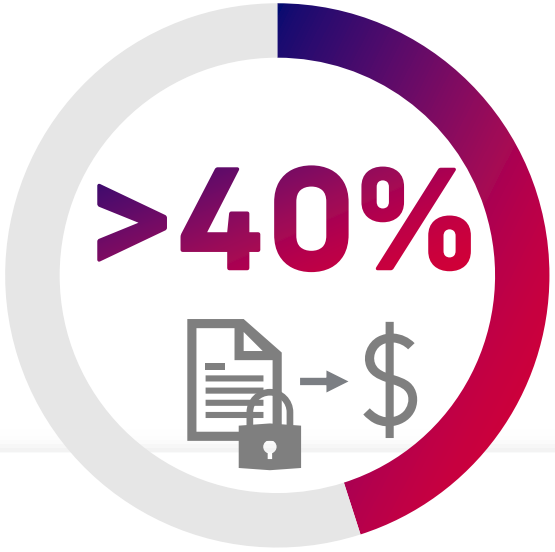
YES	NO	PARTIAL
• Belgium	• Austria	• Estonia (alternative sanctio
• Bulgaria	• Czechia	• Luxembourg (state/commu
• Croatia	• Finland	
• Cyprus	• Germany	
• Denmark	• Slovenia	
• France		
• Greece		
• Hungary (reduced caps)		
• Ireland (cap €1M)		
• Italy		
• Latvia		
• Lithuania		
• Malta		
• Netherlands		
• Poland		
• Portugal		
• Romania		
• Slovakia		
• Spain		
• Sweden		

Note: National laws implement GDPR Article 83(7) differently. 'Partial' means limited or exempt categories (e.g., State/communes). For legal use, veri

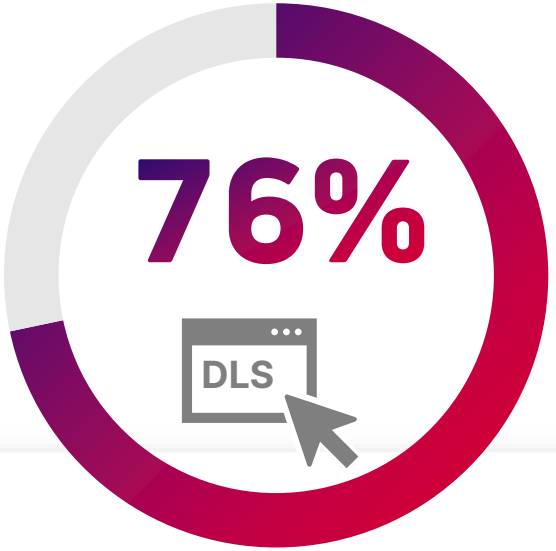
Recent Facts on Data Leakage



Primary motive for data leakage is financial gain*



Almost every second ransomware case involves exfiltration**

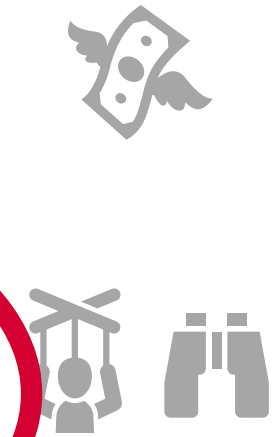


Number of dedicated leak sites rises***

* Verizon: “2023 Data Breach Investigations Report (DBIR)”, Verizon Communications, 2023
** Sophos: “Ransomware-Report 2024”, Sophos, April 2024
*** CrowdStrike, “CrowdStrike 2024 Global Threat Report”, CrowdStrike, 2024

Data Leakage Trends Exemplified by Data Extortion

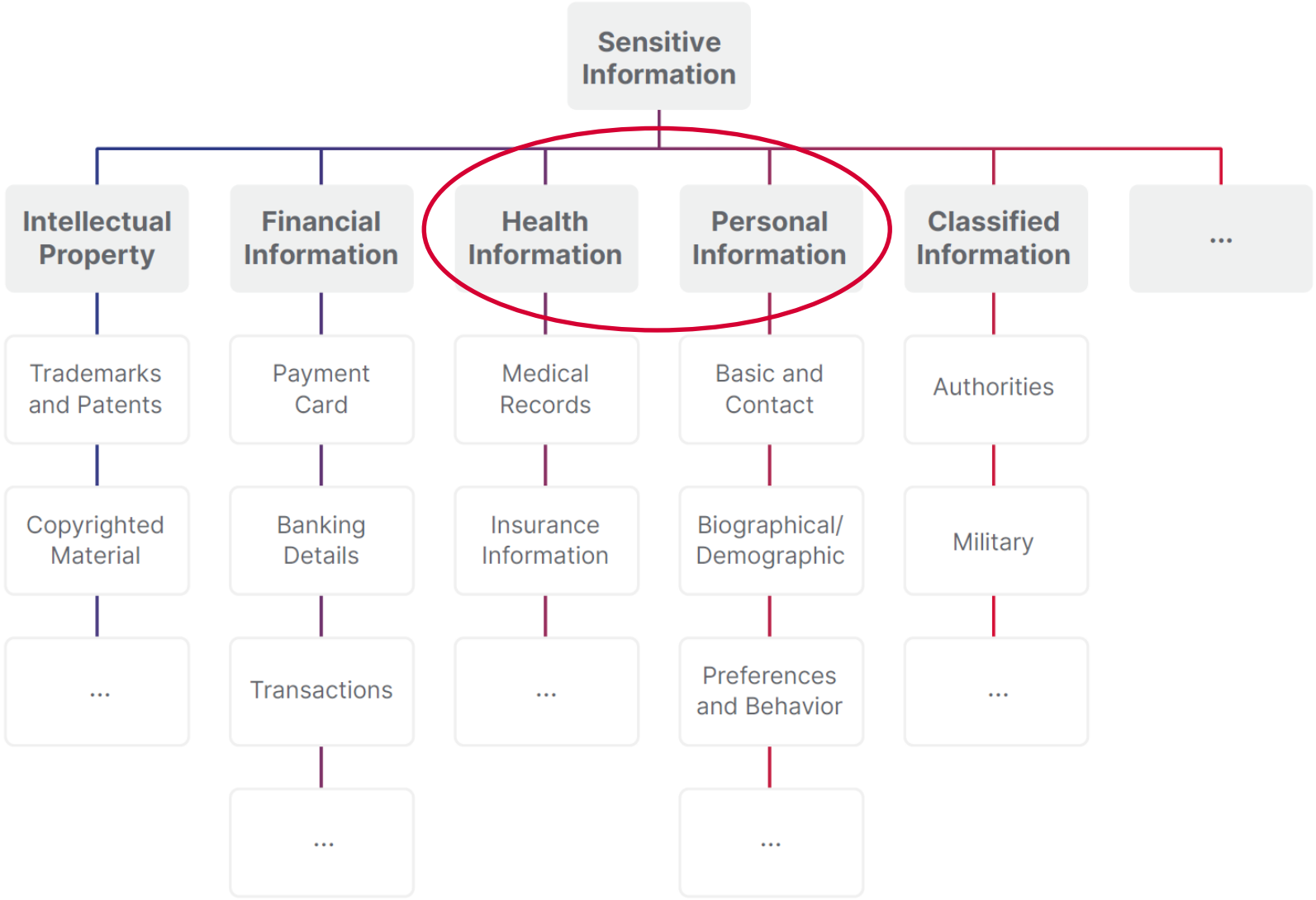
- Concentrating on essentials: data theft
- Advantage: Minimizing early detection while maintaining effectiveness
- Main plotlines of threat actors
  - Financially motivated players
    - Extortion
    - Illegal trading
  - State or state-sponsored actors
    - Public shaming
    - Manipulation
    - Espionage

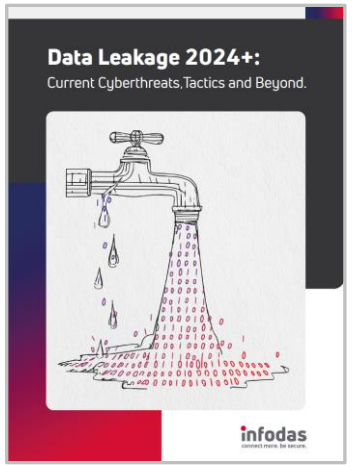


“In addition to double extortion, data extortion is establishing as a relevant modus operandi for cyberattacks.” *

* Bundeskriminalamt, “Cybercrime Bundeslagebild 2023”, Bundeskriminalamt (BKA), Wiesbaden, 2024.

Which Data is Leaked Most ...





The Data-driven Approach

GDPR consulting supported by data

Benefits:

Automated data inventory

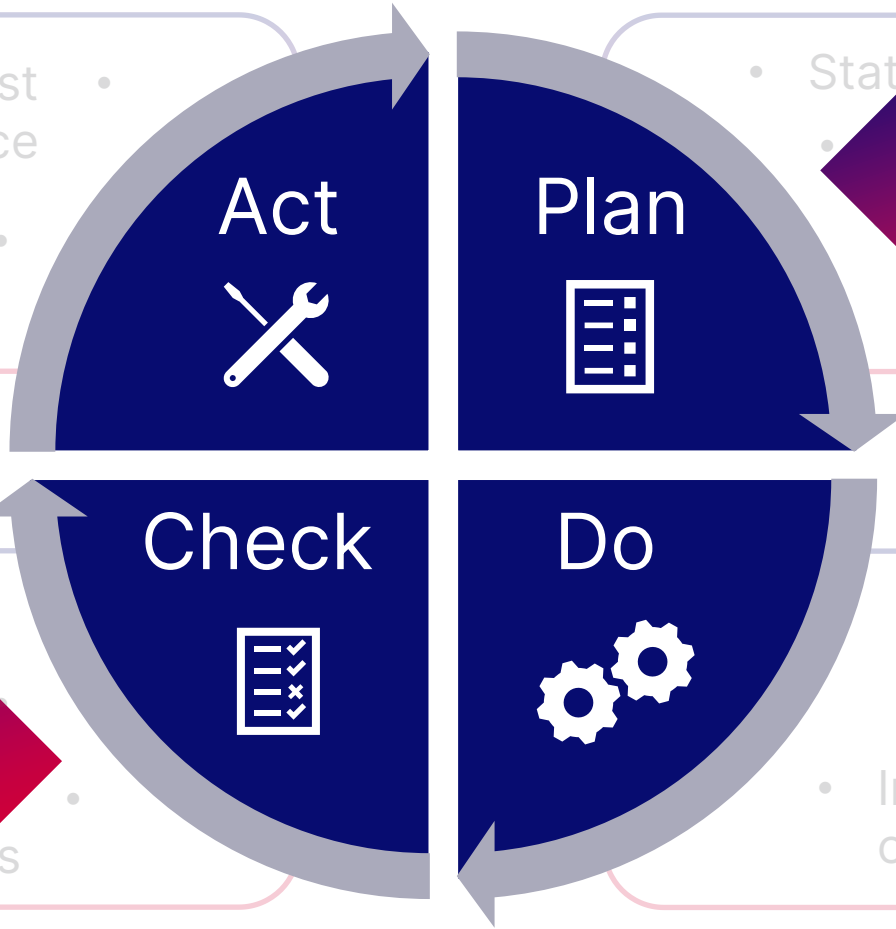
Cost reduction through

- Less manual effort for data gathering
- More efficient data protection consultancy

Reducing the risk of **shadow IT** and **uncontrolled** data flows

Accelerating the PDCA Cycles

With Data-driven Consulting



Data-driven Approach

- **Higher coverage of data inventory at-rest and in-motion**
- **Targeted priorization through risk scoring**

Data-driven Approach

- **Improved cost/benefit analysis through real-time monitoring**
- **Automated reporting of findings**

State-of-the-Art on Detecting GDPR-related Content

Product Line/ Solution	Comp A	Comp B	Comp C	Comp D	Comp E	infodas data-driven Consulting
Cloud	✓	✓	✓	✓	✓	✓
On-prem	✓		✓		✓	✓
Consulting	(✓)	(✓)	(✓)	(✓)		✓
Low Hardware Demands	(✓)				(✓)	✓
TAI/Explainability		✓	(✓)	(✓)		✓
Entity Distinction	(✓)	(✓)	(✓)	✓	(✓)	✓

„Frank was very [...]. He was born in Frankfurt."

✓ :PERS

Birth place? :LOC

Most solutions today:

- Target cloud environments
- Provide technical support rather than consulting
- Have strong hardware demands or limited explainability
- Do not distinguish between personal and non-personal entities

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03

Demo Time!

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