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Rethinking Data Loss Prevention

A Simple Introduction to Proofpoint Information Protection



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# Why are we here?

Voice of the CISO

#### The top targets....

- 1. Healthcare **(89%)**,
- 2. Media/entertainment (88%)
- 3. Financial services (83%) and
- 4. Transport (80%)

95%

of CISOs have lost data with an employee leaving their organisation.

# Can we quantify the cost? Cost of a breach outstrips the cost of protections

- Costs of AUD \$46.4m in year 1
  - comprised \$22 million of administration expenses,
  - \$15.6 million in employee benefits expenses,
  - \$7.5 million in extra tech, and \$1.2 million in marketing
- Increased by AUD \$35m+ the following year
  - further IT security uplift, legal costs, regulatory investigations and litigation

medibank

The October 2022 breach occurred when attackers obtained the credentials of a third-party contractor, resulting in the leaking of customer data.

Roughly \$20k per person affected = AUD \$9.7m



# Operating Traditional DLP

33% detection rate of data loss incidents

50% more alerts to manage

2.5x longer time to triage incidents

....Why does content based DLP struggle to show value?

# Legacy DLP Problems

Classification Focused

High False positives

High Analyst workload – limited results

Agent performance problems

No Human Risk Insight

# Why is human Risk Insight Important

Data doesn't lose itself...People Lose it







**Negligent users** may make an honest mistake or try to take a shortcut to do their jobs.





have their accounts taken over and misused by an outside cyber attacker.





**Malicious users** can intentionally exfiltrate data for personal gain.

\* Verizon. "2022 Data Breach Investigations Report."

\*\* Ponemon. "2022 Cost of Insider Threats Report"

\*\*\* Proofpoint "2024 Voice of the CISO"

You can't protect if you don't know!

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# Data loss prevention

Reinvent your data loss prevention program for the digital workplace







# Insider threat management

Secure your organization from within



**Anomaly Detection** 



CONTENT

INTENT

CHANNELS

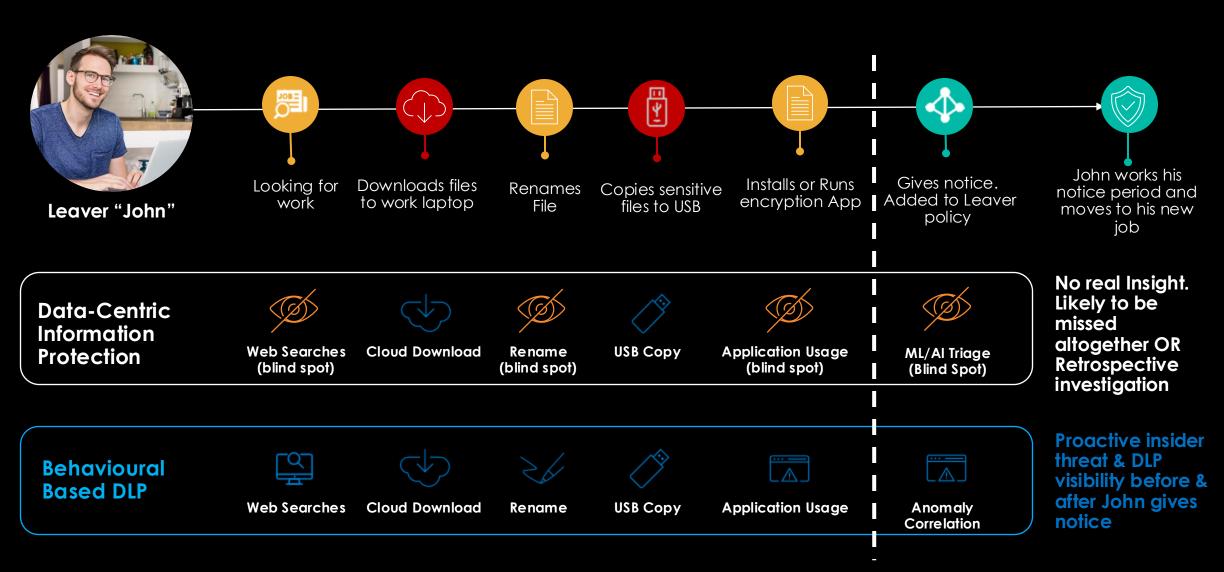
WHAT?

WHY?

HOW:

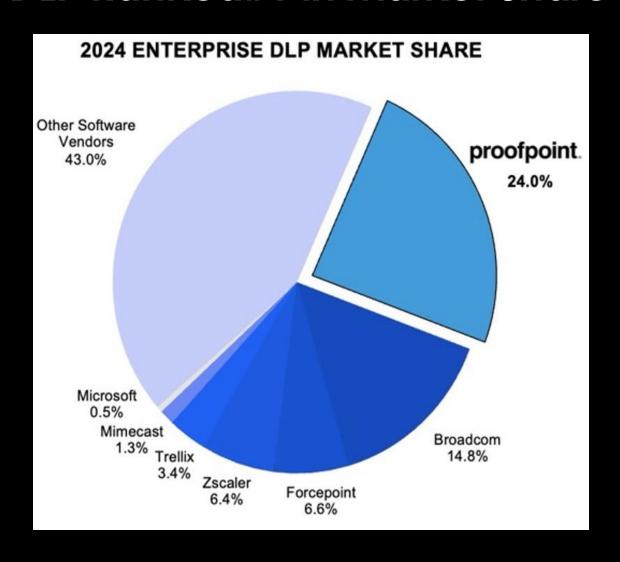
### How does Human Behavioural DLP change things?

#1 Data Loss Profile: John is leaving the company



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#### DLP Ranked#1 in Market Share



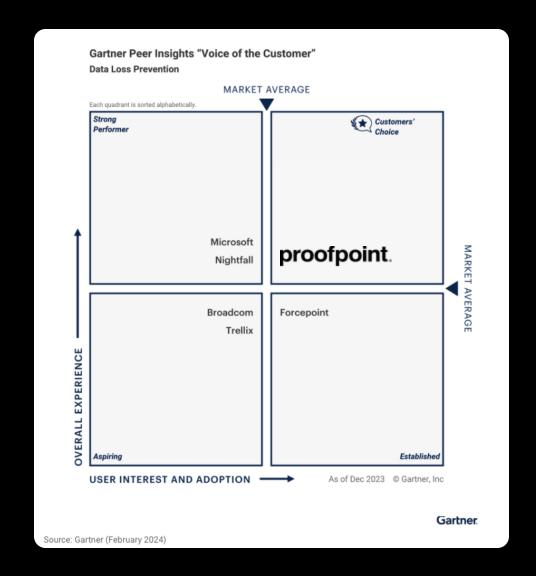
Graphic created by Proofpoint based on Gartner: Market Share; Enterprise Software, Worldwide, 2024 | Varsha Mehta, Nicholas Carter, and 37 more | 17 April 2025. Total Worldwide Software Revenue for Enterprise Software Markets and Regions, Software Cloud Revenue Market Share, Security Software, Enterprise Data Loss Prevention, 2023 - 2024 (Millions of U.S. Dollars)
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#### DLP Ranked#1 in Customer Choice



The only company named as a Customers' Choice in the 2024 Gartner® Peer Insights™ Voice of the Customer Data Loss Prevention

Source: Gartner | Voice of the Customer for Data Loss Prevention | February 2024 | Peer Contributors. GARTNER is a registered trademark and service mark of Gartner, Inc. and/or its affiliates in the U.S. and int emationally, and PEER INSIGHTS is a registered trademark of Gartner, Inc. and/or its affiliates and are used herein with permission. All rights reserved.. Gartner Peer Insights content consists of the opinions of individual end users based on their own experiences, and should not be construed as statements of fact, nor do they represent the views of Gartner or its affiliates. Gartner does not endorse any vendor, product or service depicted in this content nor makes any warranties, expressed or implied, with respect to this content, about its accuracy or completeness, including any warranties of merchantability or fitness for a particular purpose.



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# Adaptive Information Protection



Dynamic policy based on ever-changing user behavior and risk

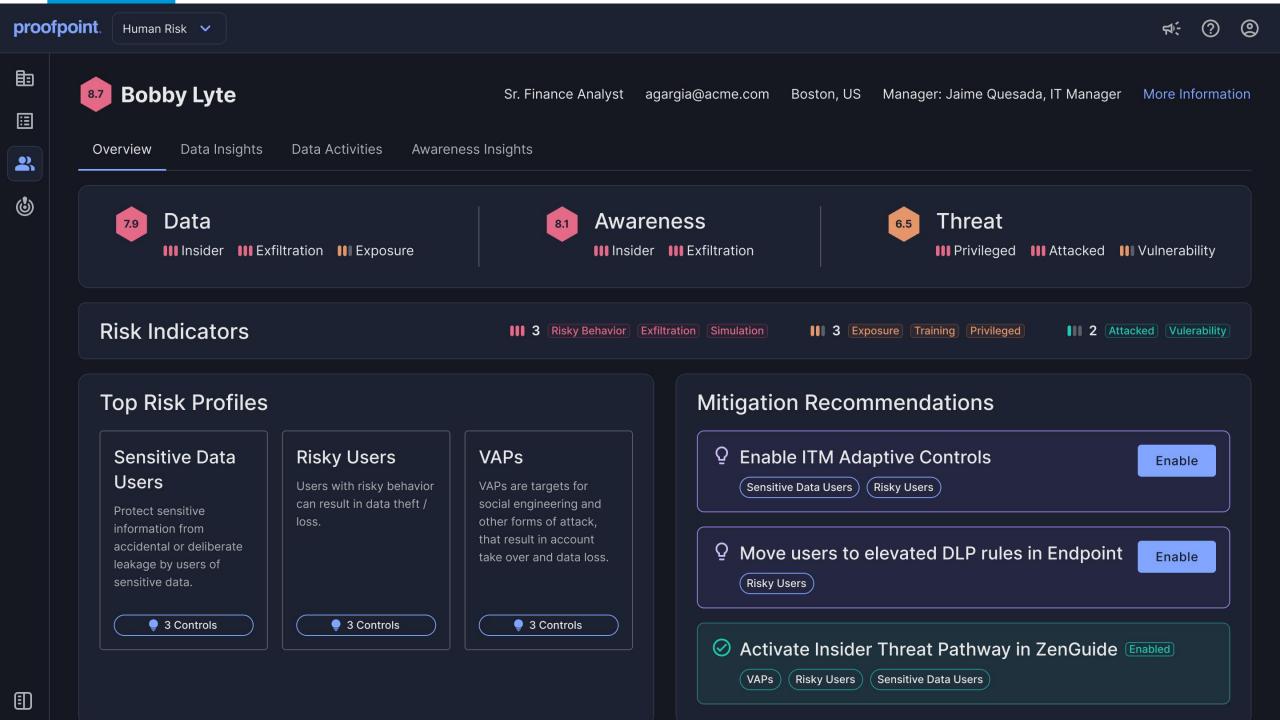


Adjust level of monitoring



Enforce varying levels of data controls





# Mitigation Recommendations

**♀** Enable ITM Adaptive Controls

Enable

Sensitive Data Users

Risky Users

Move users to elevated DLP rules in Endpoint

Enable

Risky Users

Activate Insider Threat Pathway in ZenGuide Enabled

VAPs

Risky Users

Sensitive Data Users

#### Behavioural Anomalies & Pattern Detection

#### **Behaviour Anomaly Detection**

Alert on uncommon activity volumes

#### Description

**Web File Download** activity volume exceeds user's expected maximum for the same time of day.

There was an unusual number of **Web File Download** activities between 6pm - 7pm February 1, 2024, while the total expected volume is **1**.



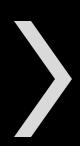
# **Adaptive Risk Protection**

#### **High Risk Activities**











#### Dial Up / Down Policies



Step up monitoring with ITM context



Elevate policy w/ visual evidence



Step up Data Protection Controls Sep 11, 2024 10:51:33 AM



File Print: "Q2\_Financials.xls"



Sep 13, 2024 08:48:01 AM



File Download: "Customers.xls" [Salesforce]

Sep 13, 2024 08:48:15 AM



Policy Change due to Risk [Medium → High]

Policy

From DLP

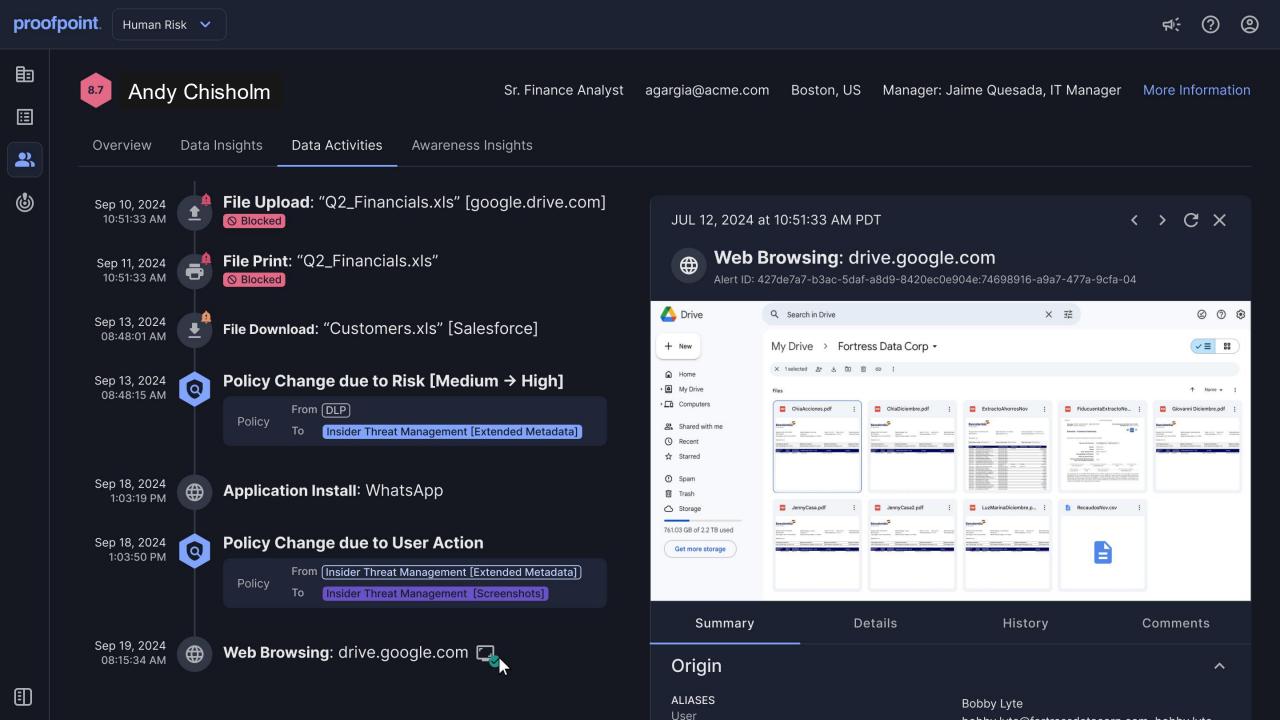
To

Insider Threat Management [Extended Metadata]

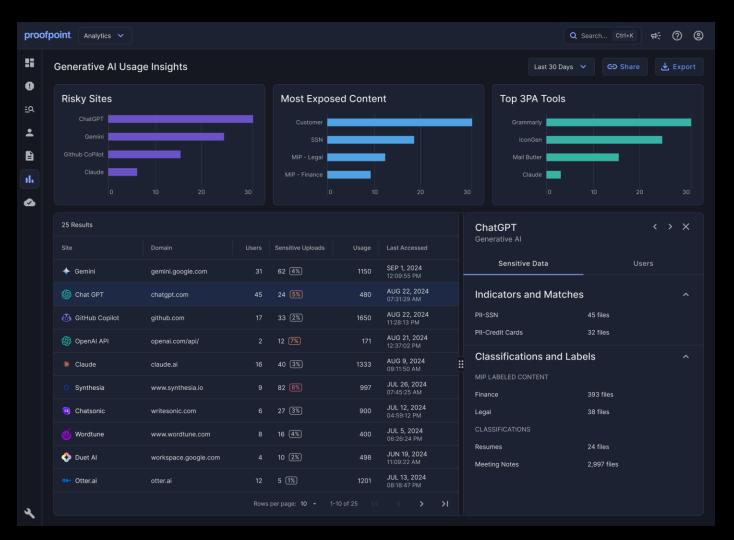
Sep 18, 2024 1:03:19 PM



**Application Install: WhatsApp** 



# GenAl Visibility LATEST & GREATEST RELEASE - AVAILABLE NOW



#### **Managed GenAl Services**

- Who is using each service
- Sensitive data is being accessed

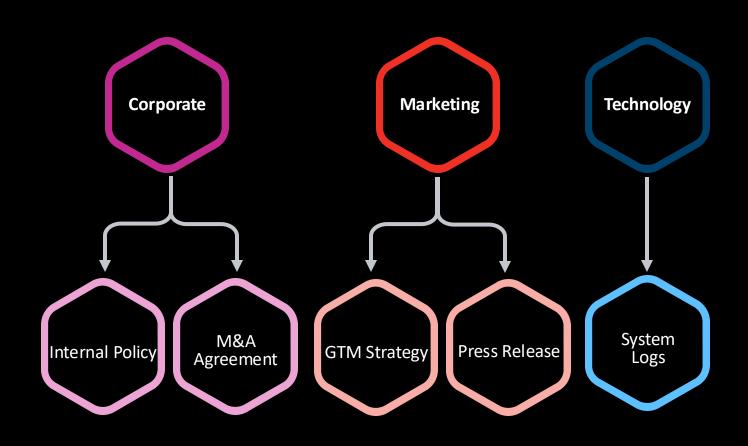
#### **Unmanaged GenAl Services**

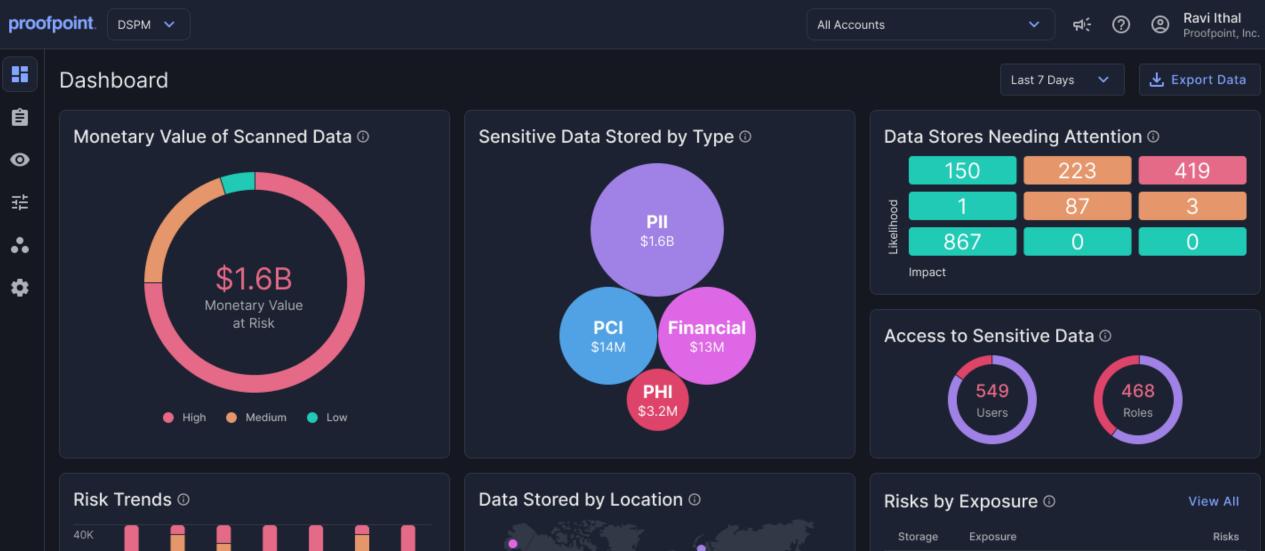
- Who is using each service
- Sensitive data being submitted
- Goal (intent) of requests

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# Simplify the identification of data Assets Pre-trained LLM classification during DLP Scan

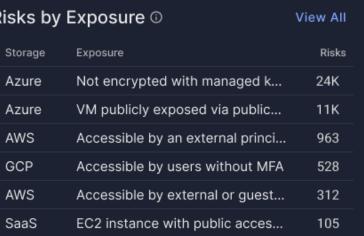












# Q3 Innovation – AI LLM Auto classification



# Proofpoint Information Protection Platform

Data Security Posture Management

Gain greater context of your data wherever it is

Discover

Classify

**Prioritise** 

Remediate

Data Loss Prevention
Prevent data loss across digital
workplace







Endpoint

Insider Threat Management

Contain insider threats proactively



Anomaly Detection



**Behavioural Context** 

**Specialist Information Protection Managed Services** 

# Maturing an Information Protection Program Is **Difficult**









People

**Process** 

**Technology** 

right people right skillset

no single, definitive playbook

leading-edge platform optimizing your ROI

# What People does DLP require?



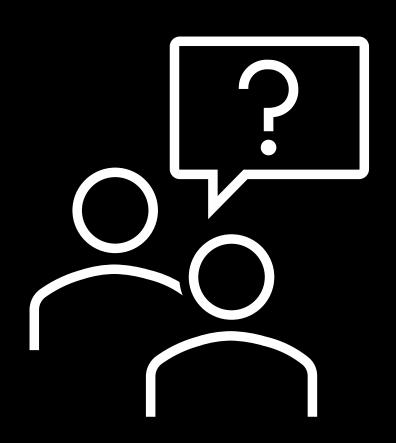
How many active policies do you have?

How many alerts do they generate?

Are you able to find **signal** in the "noise"?

Using how many staff?

Can you prove the value of your current efforts to your board?



# Finding Talent Remains a Challenge





85%
SUPPLY/DEMAND RATIO

In the U.S. only enough cybersecurity workers to fill 85% of employer demand\*



<sup>\*</sup> Source: Cyberseek.org, September 2024

<sup>†</sup> Source: 2024 ISC2 Cybersecurity Workforce Study

#### How We Deliver Outcomes



**Program Strategy Manager** (PSM)



Data Protection Analyst (DPA)



**Triage Analyst (TA)** 



**Compliance Consultant** (CC)



**Program Analyst (PA)** 



Security Solutions Engineer (SSE)

#### How do we do that?



#### **Proactive Expertise**



# We see the world's attempts at exfiltration.

We know what to look for, per industry, based on threats and regulatory risk.

We tune out the noise and give you actionable signals—active threats to your data protection.

#### **Staff Continuity**



# We have an ever-ready team of experts for you.

We won't abandon you in a time of need.

We're constantly available and informing your team of your security posture, at a fixed annual cost.

#### **Executive Insights**



# We give you proof of value.

We can show you data that's relative to your industry peers, the proactive steps you've taken, and relevant trends.

We provide weekly and monthly updates, executive-level metrics, and proof of a clean bill of health.