

A Guide to Insider Threats

and How to Prevent Them

A Single Data Breach Costs \$3.62 Million

There are 12 types of costs associated with a data breach.

Incident response and investigation \$20K–10M	Security audit \$10K–120K
Legal settlements \$11.2M–115M	Legal counsel \$390–\$1,200 /hour
Crisis management \$200–\$500 /hour	Customer notifications \$5–\$10 /customer
Employee turnover 21% of annual salary	New CISO \$223K–\$420K salary
Recruiting new CISO 20–50% of salary	Regulatory Fines—% of annual income Remediation/Extra Security Discounts and Gift Cards

All numbers represent average costs.
Sources: 2017 Cost of Data Breach Study (IBM Security and Ponemon Institute); Calculate the Business Impact and Cost of a Breach (Forrester, 8/31/17); <http://www.fairinstitute.org/blog/what-is-open-fair-and-who-is-the-open-group>

Entry Points + Insider Threats = Data Breach

Entry points for attackers—such as phishing attacks, unauthorized users and malware—allow inside threats—such as compromised accounts, infected hosts and low and slow attacks—to open the door for data breaches to occur.



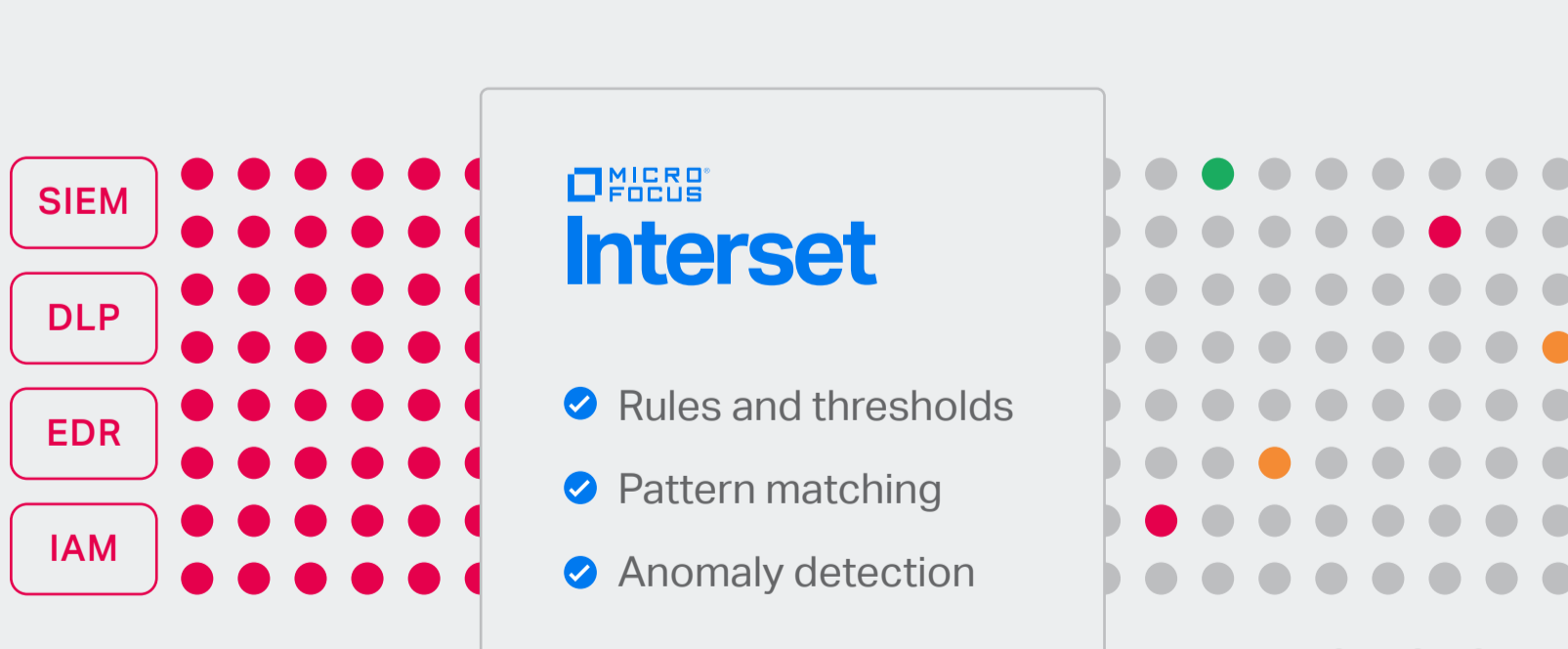
Most Wanted Insider Threats

Not all insider threats are internal employees or disgruntled personnel. Insider threats also include systems compromised by external attackers, infiltrating systems for data staging and data exfiltration, or impersonating legitimate users for unauthorized access.

- Compromised account
- Infected host
- Account misuse
- Data staging
- Low and slow attack
- Unauthorized print job
- Fileless malware
- Zero-day attack

Behavioral Analytics

Micro Focus Intersect behavioral analytics reveals hidden threats by augmenting existing security tools. Its anomaly detection for insider threats complements the pattern matching of rules and thresholds for policy enforcement, and the supervised machine learning of malware detection.



Micro Focus Intersect user and entity behavior analytics (UEBA) uncovers the unknown—whether an insider threat copies your crown jewels to their personal drive, or an attacker moves beyond “patient zero.”

By distilling billions of events and tracking the context behind today’s breaches, Micro Focus Intersect provides the story of an entire attack lifecycle—enabling you to react quickly and mitigate successfully.

Learn More

Find and respond to unknown threats—before it’s too late.

Discover more at microfocus.com.