CyberRes

A Guide to Insider Threats

and How to Prevent Them

A Single Data Breach Costs $3.62 Million

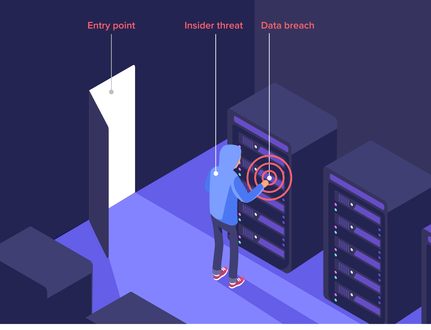
There are 12 types of costs associated with a data breach.

1. **Incident response and investigation**
   $20K–$10M
2. **Security audit**
   $10K–$120K
3. **Legal settlements**
   $11.2M–$115M
4. **Legal counsel**
   $390–$1,200 /hour
5. **Crisis management**
   $200–$500 /hour
6. **Customer notifications**
   $5–$10 /customer
7. **Employee turnover**
   21% of annual salary
8. **New CISO**
   $223K–$420K salary
9. **Recruiting new CISO**
   20%–50% of salary
10. **Regulatory Fines—% of annual income**
11. **Remediation/Extra Security**
12. **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.



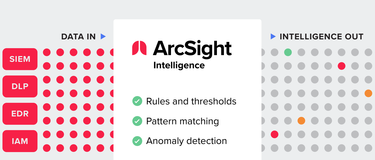
Most Wanted Insider Threats

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 ArcSight Intelligence 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 ArcSight Intelligence user behavior analytics 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 ArcSight Intelligence 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 CyberRes.com ›

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