

# THE ANATOMY OF A RANSOMWARE ATTACK



Are you prepared for a data breach?

Explore the critical stages of a ransomware attack and understand how to safeguard your business with cutting-edge protection.

Statista forecasts that nearly 70% of businesses will face one or more ransomware attacks in 2024, marking the highest annual rate ever recorded. The trend has alarmingly risen over the past five years.

## WHAT IS RANSOMWARE?

Ransomware is malicious software that encrypts files on a device, rendering them inaccessible. Hackers demand a ransom for the decryption key. It's not just an attack; it's a clear and present danger to your business continuity.



### THE ANATOMY OF AN ATTACK

- **Malware Infection** - Entry through phishing emails or vulnerable software.
- **Command and Control** - Hackers take remote control, orchestrating the attack.
- **Discovery and Lateral Movement** - Spreading across the network to maximize impact.
- **Malicious Theft and File Encryption** - Data is stolen, and files are locked.
- **Extortion** - Demands for payment in exchange for decryption keys.



### THE IMPACT ON YOUR BUSINESS

- 49% of businesses paid ransoms to mitigate revenue losses last year, and 41% to expedite recovery. Most victims lost \$1 to \$10 million.
- 80% of those who paid were targeted again.
- American banks processed \$1.2 billion in ransomware payments, according to CNBC.



### AlwaysPROTECTED with Cigent

- **Zero-Trust Access:** Limits exposure by allowing only a predefined number of open files.
- **Invisible Drives:** Ensures data remains unreadable and inaccessible on hidden drives.
- **Automatic Lockdown:** Detects threats instantly, blocking access to encrypted files and partitions.
- **Secure Until Remediated:** Files stay locked down until threats are fully neutralized.

## WHY CIGENT?

Cigent offers unparalleled protection against ransomware attacks, ensuring your business remains resilient in the face of evolving cyber threats.

In an era where cyber threats loom larger than ever, staying prepared is not an option—it's a necessity.

Strong Endpoint Detection and Response can thwart unsophisticated and many advanced threats. However, persistent adversaries may still find a way through.

Don't wait for a breach to realize the importance of cybersecurity.  
Book a demo today and experience how Cigent keeps you AlwaysPROTECTED.