elastio

# The State of Ransomware

**Explore the reality of ransomware's impact and learn how to strengthen your defenses before it's too late.**

## Ransomware is not going away...

Ransomware attacks against enterprises are skyrocketing at an alarming rate, as highly-motivated hackers relentlessly bombard corporate defenses.

**81%**
Of organizations were affected by cyber attacks at least once in the past 12 months.
Source: SpyCloud

**$10.5 Trillion**
In worldwide cybercrime costs are estimated annually by 2025.
Source: Cobalt

**1.7M**
Ransomware attacks take place every day.
Source: getastra.com

**Every**
**2 seconds**
Ransomware is predicted to attack a business, consumer, or device by 2031, according to analysts.
Source: cybersecurityventures

**435%**
Rise in number of ransomware attacks since 2019.
Source: getastra.com

## ...and it is getting more dangerous

**It's not just the number of attacks that's rising—so is their success rate.**

The lure of enormous financial gains drives ransomware attackers to deploy increasingly sophisticated tactics that bypass existing security defenses and remain undetected longer, allowing them to inflict greater damage and demand higher ransoms.

**$1.1 Billion**
In worldwide ransomware payments in 2023, up from $500M in 2022, breaking records as more victims are forced to pay ransoms.
Source: chainalysis

**500%**
YoY increase in ransomware payments, as hackers employ more sophisticated tactics.
Source: Sophos

**117%**
Yearly increase in ransomware cyber insurance claims.
Source: TechTarget

## Attackers continuously advance their methods to bypass security and stay undetected...

**EDR/XDR bypassed in**
**99%** Of pen tests.
Source: Bullwall.com

**Zero-Day Tactics used in**
**80%** Of successful ransomware attacks.
Source: Bullwall

**MITRE ATT&CK framework lists 40 'Defense Evasion' techniques**
**50%** More than any other category, highlighting attackers' motivation to stay undetected for longer.
Source: BYOS

**10,000**
Total number of unique ransomware variants since 2014.

**500+**
New ransomware variants reported in 2023 alone, pointing to rise of new groups.
Source: chainalysis

**20-30**
Novel ransomware identified by Elastio ransomware experts **each week.**

**175%**
Increase in number of malware variants in past 5 years.
Source: fortinet

## ...leaving businesses unable to keep up and secure themselves against advanced ransomware

Each year, fewer organizations successfully detect ransomware, demonstrating how existing measures are no longer enough to keep up with modern threats.

**22%**
Enterprises successfully detected ransomware in **2023.**
Source: fortinet.com

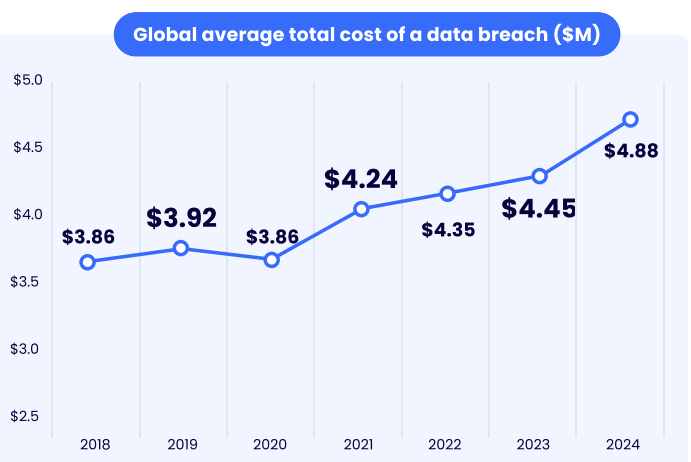
**13%**
Enterprises successfully detected ransomware in **2024.**

**55%**
Of attacks took more than a week to detect.
Source: knowbe4

## Time to identify and contain breaches — the breach lifecycle — is integral to the overall financial impact

Breaches with identification and containment times over 200 days cost organizations **$5M**
24% more than breaches that took under 200 days to contain.
Source: IBM

**$4.8M**
Global average cost of data breach in 2024, a 10% increase over last year and the highest total ever.
Source: IBM




## Breaches are inevitable, so cyber resilience is essential - but businesses still have a way to go

**75%**
Of companies say a ransomware attack would be a death blow.
Source: Datto

**Only 2%**
Of businesses could restore business operations within **24 hours**.
Source: Cohesity

**86%**
Of businesses would **pay ransom** to recover data.
Source: Cohesity

## Ensuring clean recoveries is critical to protect your business from ransomware

**1 in 2**
Cybersecurity leaders are not confident they could recover systems and data following a major incident.
Source: Commvault

**Ransomware attackers target backups with slow encryption techniques to make recovery impossible, forcing victims to pay the ransom**

**$2.3M**
Median ransom demand for victims with compromised backups.

**$1M**
Median ransom demand for victims without compromised backups.
Source: technewsworld