

Ransomware Simulation

Have you ever wondered if your organization is protected against Ransomware?

Calian has decades of experience and dozens of experts in Digital Forensics Incident Response (DFIR) that understand the Tactics, Techniques, and Procedures (TTPs) of an attacker.

Equip your organization and protect it from potential ransomware attacks.

We have one objective and that is to help you close the gaps in your security before attacks can exploit and hold your organization ransom.

How is it done?

Our experts deploy a non-intrusive Ransom Simulation Toolkit on key sample assets and our Security Advisor collaborates with the IT Team to observe how your defense reacts.



TEST YOUR DEFENSES

SIMULATE A REAL ATTACK WITH CONTROLLABLE COMPONENTS:



Command & Control



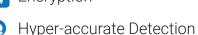
Advanced TTPs



Real Time Indicators



Encryption







Data Exfiltration



Automated Protection Response



Remediation Processes

KEY FEATURES

DETERMINE ANY UNDERLYING WEAKNESSES WITHIN YOUR INFRASTRUCTURE AND EXPLORE THE ISSUES THREATENING YOUR SECURITY.



CONTROLLABILITY

Neither the network nor the computer on which it is executed will be affected by the ransomware. All of the artifacts have been developed by iSecurity.



NO DOWNTIME

Encrypt only specific folders on local drives and network shares created specifically for this exercise. Typically, ransomware encrypts only the specified folder.



TECHNOLOGY CENTERED

A member of the client team; system administrator or security personnel will monitor each step of iSecurity's execution via a remote session while the company performs the tests.



MONITORED 24/7

Test all of your anti-malware systems, firewalls, EDRs, IPS, IDS, SIEMs, and other malware protection softwares. Maintain continuous awareness of ransomware attacks with valuable insights so you can guickly respond and prevent them.

HOW IT WORKS



Infection through email, device or website









User is infected by ransomware







All data on PC and networks are locked out







Ransomware demand to unlock your data



SUPPORTIVE SERVICES

- Tabletop Exercise
- Cyber Breach & Incident Response Development
- · Red Team & Ethical Penetration Testing
- BCP & DRP Assessment
- Threat Modeling & Cloud Security Design