

Ransomware Continues to Remain a Looming Threat for Enterprises across Industries



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Raveesh BS

Founder and Director,
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One of the leading providers of cybersecurity solutions and services, Raveesh BS, is the founder and Director of Aishan Technologies. With over 25 years of leadership experience in ICT and cybersecurity, Raveesh has a proven track record of helping organizations secure their people, data, and digital assets.

During a recent interaction with Digitaltech Media, he elucidated the need for a proactive, multi-layered, AI-assisted approach to counter ransomware attacks. [Read more.](#)

The Usual Ransomware Roadblocks

Ransomware continues to be a critical & significant evolving threat for organizations across all industries. Some of the common ransomware challenges include:

- AI-driven Ransomware Attacks
- Supply Chain Vulnerabilities
- Ransomware-as-a-Service (RaaS)
- Human Error and Phishing
- Delayed Detection and Response
- Inadequate Backup and Recovery Strategies

Thwarting Ransomware Threats

Preventing, detecting, and responding to ransomware attacks requires best practices, including:

- Limit access based on authentication, verification, and segmentation to prevent lateral movement within networks.
- Employ AI-based systems to continuously hunt for hidden threats and abnormal behaviours.
- MDR services to Monitor 24/7, Detect & Remediate threats.
- Use advanced EDR tools to monitor suspicious activity across all endpoints.
- Develop & regularly update an incident response plan that details roles, communication, and recovery steps.

- Keep systems, software, and applications up to date to close security vulnerabilities.
- Implement regular, encrypted immutable backups stored offline to ensure recovery without paying a ransom.

How Aishan Technologies Helps Combat Ransomware Attacks?

As one of the prominent partners of Sophos, Aishan Technologies helps businesses strengthen their ransomware defenses & mitigate attacks by addressing all the stages of an attack. Here's how we assist:

1. Ransomware Prevention: Deploy Synchronised Security from Sophos

Sophos Comprehensive Vulnerability Assessment:

We assess your infrastructure to identify and patch security gaps that could be exploited by ransomware. Our Zero Trust architecture ensures no user or device is trusted by default, minimizing access to sensitive data and systems.

Using the Sophos Phishing training tool, we train customers' employees to recognize phishing attempts and follow best practices, reducing the likelihood of human error leading to ransomware.

2. Proactive Threat Detection

Sophos AI-powered Services continuously monitor your environment for suspicious behavior to detect ransomware before it spreads.

Sophos Managed Detection & Response (MDR) services provide 24/7 Monitoring and surveillance to identify and respond to potential ransomware attacks in real-time.

3. Incident Response and Remediation

In the event of an attack, together with the Sophos Rapid response, we provide swift isolation of affected systems and assist with arresting the damage. Our team investigates the breach to identify its root cause, helping you strengthen defenses and prevent future attacks.