Evolution of Threat Intelligence

Threat Intelligence is set to take center stage as the demand for proactive cybersecurity grows.

Take a look how it has been evolving for the last 20 years.

2000s

Introduction of IP and URL blacklists, the precursors of 'threat intelligence'.

Analyst firm Gartner coins Security Information and Event Management (SIEM) terminology.

SIEM and firewalls integrate data from blacklists, generating alerts.

Security researchers hunt for threats 'manually', sending periodic updates to customers.

2010s

Existing security controls cannot combat 'explosion' of malware and Indicators of Compromise.

Machine learning (ML) and big data technology harnessed to automate and process data.

Automated systems perform increasingly complex detection covering all attack surfaces.

Established vendors and specialist software security vendors start to sell 'threat intelligence'.

2015s

Security teams overwhelmed by huge numbers of daily false security alerts.

Recognition of the vital role of human expertise combined with ML to deliver Threat Intelligence

Security experts play an ever-increasing role in refining automated intelligence collection.

Global surge in hiring threat intelligence specialists reveals a chronic and ongoing skills shortage.

2018s

Threat Intelligence industry expands significantly as hundreds of vendors enter the market.

Standard of 'threat intelligence' agreed on – actionable data integrated seamlessly into security.

Organizations exploit internal data for security requirements to achieve meaningful intelligence.

Threat Intelligence market starts to consolidate resulting in less market fragmentation.

2020s

Cooperation and sharing best practices between vendors facilitates threat intelligence.

AI and quantum computer predictive analytics is integrated in all business applications.

A globally accessible knowledgebase becomes a key component of Threat Intelligence.

Strategic Threat Intelligence assessments underpin a new standard of proactive cybersecurity.

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