



# Case Study: TASE



## Organization

By providing a market infrastructure, the Tel Aviv Stock Exchange (TASE) plays a critical role in the Israeli economy, ranging from helping Israeli companies raise capital and meet their growth and liquidity needs to providing investors with a reliable trading platform. As the only stock exchange in Israel, its importance is crucial. In addition, TASE includes divisions tasked with clearing, auditing, and various administrative functions. TASE is required to comply with stringent security and data privacy local and international regulations and standards.



## Security Challenges

Prior to integrating Cymulate, TASE relied on in-house and outsourced periodical manual pen testing exercises to assess the effectiveness of its security program. By nature, those security validation options were limited in scope, only provided a point-in-time evaluation of the security stance, and required a significant time and resource investment. Understanding the dynamic nature of the threat landscape, with the high sensitivity of their business, TASE was looking for a way to measure and correct on an ongoing basis.

TASE most urgent concerns were to ensure their entire network, including segregated parts, were secure and that no vulnerability could be introduced through emails or infected external sources, which required securing emails - validating settings and version updates - and hardening their resilience to malware remote code execution, (for example, Powershell commands), as well as against supply-chain attacks.

## Challenge

TASE needs to prevent any unauthorized access or hostile intrusion that might disrupt its activity or lead to downtime, any of which might have catastrophic financial effects and can possibly impact the country's economy.

## Solution

Implementing Cymulate hardened TASE security posture and Cymulate security score enabled their risk department to establish a tolerable risk scale with data based, quantified KRIs.

## Benefits

- Continuous validation and continuous visibility outcomes and system recommendations are reliable, with no false positives.
- Runs on production and staging environments
- Easy deployment, management, and customization
- Free resources for other tasks
- Answers both business and technical requirements



## Solution

Running Cymulate assessment tests both in production and staging environments ensures that there is no drift in security posture before implementing infrastructural or systematic changes, provides TASE with ongoing visibility on their security posture that optimizes vulnerability management – including recalibrating SIEM alert policies to minimize false positives and missed threats, and enabled TASE team to devise a business remediation procedure – check, patch, tune, learn lessons – which is now part of their weekly routine.



*I believe automated posture validation and management is the future. One can no longer rely on manual tests as a validation method* ”

Gil Shua -  
Director of Information security



## Benefits

Mapping potential attack paths, from policy breaches on endpoints to lateral movement security gaps before an attack takes place enables TASE to harden their security posture and prevent hostile intrusions and security drift.

Cymulate comprehensive assessment covers resilience against emerging threats and vulnerabilities, detection and actionable remediation recommendation against excessive permissions and misconfigurations, and software updates (including security solutions) and processes validation.



*Cymulate's scale and variety of automated assessments enhances the team productivity and provide the most comprehensive picture a CISO can expect to address his concerns and perform optimally.* ”

Gil Shua -  
Director of Information security

## About Cymulate

Cymulate was founded by an elite team of former Israel Defense Forces intelligence officers and researchers with global experience in offensive cybersecurity solutions. Trusted by organizations around the world, from small businesses to leading financial services, Cymulate simplifies protecting businesses with the highest levels of security. And the simpler cybersecurity is, the more secure a company will be.

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