

Technology Innovation Institute Builds a Robust, Scalable Cyber Security Program



INDUSTRY

Research and Development

HEADQUARTERS

Abu Dhabi, United Arab Emirates

COMPANY SIZE

1,100 employees

OVERVIEW

The Technology Innovation Institute (TII) is a leading global research center dedicated to pushing the frontiers of knowledge. TII's teams of scientists, researchers, and engineers work in an open, flexible, and agile environment to deliver discovery science and transformative technologies. TII's work means they not only prepare for the future - they create it. Working together, TII's team is committed to inspiring innovation for a better tomorrow.

TII is part of Abu Dhabi Government's Advanced Technology Research Council, which oversees technology research in the emirate. As a disruptor in science, TII is setting new standards and serves as a catalyst for change.

OUR SOLUTION



TII has built a research environment focused on solutions driven by proprietary and partnership research in advanced materials, AI and digital science, autonomous robotics, biotechnology quantum, renewable and sustainable energy, and many other future technologies.



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Maryam Al Sereidi, executive director of IT at TII



CHALLENGE

Young organizations face a perfect storm of challenges getting their cyber security right. As they invest in their cyber security programs, they need to build their business-technology environment so that everyone can be productive and secure while putting new cyber security capabilities in place. There's a lot to get right: budgets, staff, toolsets, and policies. There's also the natural pressure to prioritize rapid growth over security. However, a single successful attack could be catastrophic.

That's why organizations that face these challenges need comprehensive, centrally managed protection against the cyber threats they face. The Technology Innovation Institute (TII) is such an organization. "TII is a global research center focusing on driving innovation by providing cutting-edge solutions globally and domestically," said Maryam Al Sereidi, executive director of IT at TII. "The security challenge that we face in TII, being a young organization, is closing our security gaps with the right capabilities," added Sereidi.

With a relatively tight security team, TII sought security tools with effective AI and natural language processing capabilities to safeguard their email communications and cloud-based collaboration and productivity tools. While easy maintenance was also essential, tools that would scale as TII grew was paramount. "We need effective solutions, which will help us build a robust, scalable, and cost-effective approach to cyber security," said Sereidi.

SOLUTION

TII chose Check Point technologies because Check Point's security tools provide unified security capabilities that are highly effective and won't require TII to deploy too many discrete security products. "Improving the security capabilities that protect our email and cloud systems was one of the primary goals we wanted to achieve. Check Point fulfilled every unique requirement that we had," Sereidi said.

Harmony Email and Collaboration, leveraging AI and machine learning technologies, provides TII with comprehensive protection against sophisticated threats, from Business Email Compromise (BEC) scams to evasive malware. Sereidi explained they chose Harmony Email and Collaboration because its cloud-based architecture ensures scalability and easy maintenance. Its unified quarantine management and integration



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with popular collaboration suites streamline security operations, which would also reduce the number of security vendors they must manage.

Quantum Maestro Hyperscale Network Security addressed TII's scalability concerns by enabling TII to expand their existing security gateways on demand, allowing TII the flexibility to scale their security defenses as they grow. Through Maestro, TII attains hyperscale capabilities with enterprise-grade security that can adapt without requiring management overhead.

CloudGuard Network Security offers robust firewall capabilities tailored for small organizations, providing comprehensive protection for cloud assets and environments. Its advanced threat prevention features, access control and cloud native integrations safeguard TII against sophisticated cyberattacks. "CloudGuard's scalability and flexible deployment options make it ideal for us," Sereidi said.

OUTCOME

The TII team was not disappointed with their decision to choose Check Point. Harmony Email and Collaboration explained Mohammed Waheed, Director, Strategy and Planning at TII, has successfully defended its email systems from sophisticated phishing attacks, spam, viruses, and web-based threats. "It's secured our system without affecting user productivity when using email or the Internet," Waheed said.

Pawan Chavan, head of IT at TII, added that Check Point was able to solve TII's security challenges by providing the organization with not only scalability but also best-in-class security architecture that helps TII build resilient infrastructure, most notably through Maestro, which provides TII full redundancy within the system, consolidated clustering, advanced load balancing, and failover capabilities.

The TII technology team also shared how Check Point has enhanced TII's competitive advantage by providing a platform that can be easily managed with minimal training. "The primary benefits that we received putting Check Point in place included operational efficiency, improving our security maturity, and making sure that we meet and fulfill the gaps that we had in our security posture," Sereidi said.

"CloudGuard Network Security reduces complexity for us and provides unified visibility and simplified management through a single user-friendly dashboard. CloudGuard Network Security enables us to maintain a strong security posture while facilitating their digital transformation efforts," said Chavan.

Chavan added that he appreciates how effectively CloudGuard WAF (Web Application Firewall) protects TII's web applications and APIs against known and unknown attacks. "CloudGuard has extensive security capabilities, including its WAF, firewalls, and cloud security capabilities. Check Point supports our security across our organization," Chavan added.

From the beginning, Sereidi sought to close security gaps by putting the right security capabilities in place. That is precisely what they achieved by teaming with Check Point. "Selecting Check Point has been a true success," Sereidi concluded.

ABOUT CHECK POINT

Check Point Software Technologies Ltd. (www.checkpoint.com) is a leading AI-powered, cloud-delivered cyber security platform provider protecting over 100,000 organizations worldwide. Check Point leverages the power of AI everywhere to enhance cyber security efficiency and accuracy through its Infinity Platform, with industry-leading catch rates enabling proactive threat anticipation and smarter, faster response times. The comprehensive platform includes cloud-delivered technologies consisting of Check Point Harmony to secure the workspace, Check Point CloudGuard to secure the cloud, Check Point Quantum to secure the network, and Check Point Infinity Core Services for collaborative security operations and services.

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