

2020年11月16日

各 位

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米 EnterpriseSecurity 誌よりマネジドセキュリティサービス分野
 アジア太平洋地域 成長率 No. 1 に選出

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The company's name CEL stands for Cryptic Economics Laboratory. It is inspired by Alan Turing, a famous cryptanalyst who changed the world using decryption and encryption. "We strongly believe that cryptography is the key concept that will make the world communicate and exchange information better," states Shohei Tanaaka, CEO and CEL Chairman.

The power of AI and Addressing Talent shortage

CEL uses CyberGen, a highly impactful cyber readiness solution to train professionals, with the Israel-based training program. CEL responds to the shortage of security personnel in Japan by continuously developing human resources. The training covers the most comprehensive array of topics and skills, creating value for every team, including security teams, IT and OT professionals, general employees, and executives at various management levels. In addition to that basic onboarding program, CEL provides on-the-job training that they uniquely can deliver through annually 100+ projects (FY 2019). 100+ Projects are planned to be finished in FY 2020. That on-the-job training includes almost all industry coverage: government, energy, automobiles, real estate, oil & gas, pharmaceutical, construction, transportation, insurance, retail, bank, retail, cosmetics, printing. Most projects are for public listed companies and their subsidiaries.

World-leading AI platform, ImmunWeb®

CEL utilizes an security assessment platform for its projects. The most major product among those is ImmunWeb®, the award-winning Application Security Testing (AST) platform with CVEID accredited, that Shohei Tanaaka (CEO, CEL) got exclusive distribution license for Japan in Feb 2019 from Canvas. ImmunWeb® leverages AI technology for intelligent automation and acceleration of laborious tasks and processes, saving as much as 50% of human time compared to traditional human services: detecting significant vulnerabilities faster while reducing AOT cost and generating 99.99 percent false positives. ImmunWeb® got such awards as SC Media 2018 Song, Gardner, DC for AI technology among Attack Surface Management, Dark Web Monitoring and Developer enabled Application Penetration Testing.

The Pillars of Security Assessment

CEL offers various services to resolve the confused posture of IT security infrastructure. It includes CEL 3.TLPT, CEL Discovery, CEL Assessment, CEL Evaluation, CEL Governance, and customer support services. These services are delivered globally and industry via 10+ readers.



We do not just provide security testing service, but deliver Corporate Risk Essentials around new types of digital business to implement a risk management culture as part of their organization's governance

1.TLPT (threat scenario planning)

CEL creates a threat scenario assuming that an attacker will collect information using the dark web or AI. That scenario covers multi-layer corporate IT infrastructure: firewalls, network attached servers, e-mail applications, web/mobile, mobile applications, IoT, VPN, OT infrastructures. Assuming both onsite and remote attack.

2.TLPT (penetration testing)

This process evaluates the organization's ability to respond to typical attack methods and gives special attention to the areas a client wishes to strengthen. CEL conducts advanced persistent attacks and file-less attacks while assessing the effectiveness of security products that have been introduced already (using MITRE ATT & CIA® Reference). CEL uses threat-hyping techniques, web application vulnerability findings, to find direct connection into corporate internal system. Once CEL get into corporate systems, then they enhance that connection into the administration role. From single PC device, mobile devices, they enhance connection onto admin role and OT area.

3.TLPT (reporting)

After penetration testing, CEL reports external threat surveys, internal intrusion incidents, and other technical vulnerability of corporate infrastructure. They use international security reporting standards like NIST Cyber Security Framework (NIST CSF), Common Vulnerabilities and Exposures (CVE), Common Weakness Enumeration (CWE), Common Vulnerability Scoring System (CVSS). Post evaluation, the company takes ten business days to deliver a comprehensive investigation report.

Adjust trade-off between IT usability and Security strength

Having been in the industry for a long time now, CEL is well positioned to investigate business logic and organizational vulnerabilities that cannot be evaluated by other vulnerability inspection tools. Addressing the shortage of LDR, SEM, and log monitoring personnel, CEL provides its engineers who can support clients with various tools and platforms. Depending on the customer's infrastructure situation, a security specialist assists in modifying the internal security environment and incident response of the security team.

With the average total cost of a data breach increasing every year, adhering to continuously changing compliance and regulations is essential. On that note, "We do not just provide security testing service, but deliver Corporate Risk Essentials around new types of digital business to implement a risk management culture as part of their organization's governance. In other words, we are predicting the digital future and making the journey safe and secure," explains Tanaaka.

Apart from security management strategies, the company also delivers a competitive advantage to the client's corporate ICT strategy. CEL offers a highly secure and encrypted communication model between engineers, managers, and directors. The communication model uses advanced technologies like SaaS, IoT, and 5G, to name a few. "Without digital risk protection, we can't get the competitive growth in the future," states Tanaaka. Each supported service is designed to solve the four major issues related to customer's information security: operational cost reduction, lack of human resources, development of incident response system, and response to ever-changing threats.

AI for a Smarter Cybersecurity

To illustrate more about the company's managed security services, Tanaaka cites a real-world instance where CEL helped a leading Japanese electrical device manufacturer secure its application. The electrical device manufacturer was planning to launch new business related to IoT at the same time. After developing the necessary applications, they realized that there is almost no security company that can evaluate new IoT business risks within a reasonable time scale. Typically, most security vendors take as long as six months to complete the security testing process from quoting and ordering to vulnerability assessment, report, and re-assessment. As the manufacturer couldn't afford that much time to spend, they wanted a partner who could assess in less time. That's when they turned to CEL, which delivered the entire package from quote to re-assessment in one month and got all the company's annual deals afterward.

At the core, CEL is an AI-oriented firm, but their competitive advantage lies in the way they think, behave, and the actions made by people between CEL and the surrounding ecosystem. The company focuses on enhancing its AI-based services to secure and improve the posture of the client's business. "The important factor is the way forward." As is being deployed in every business, some can harness full benefits, and others are yet to do it, concludes Tanaaka. "The welcome message is a reality, finding the right business timing for AI application is highly important. And with a partner like CEL, organizations can forecast an appropriate future between human and AI."

記事本文-[Enterprise Security Magazine Managed Security Services Edition Nov2020APAC](#)
 記事本文-[Cover Story CEL](#)

以上



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