



CASE STUDY

HKBN Group



Overview

Industry

- Technology and Telecoms

Challenge

- Lack of visibility into data flow across the digital enterprise
- Insufficient reporting and context to investigate emerging threats
- Legacy tools unable to detect novel attacks and insider threats
- Difficulty of parsing through hundreds of false-positives from other tools

Results

- Achieved 100% visibility into entire business
- Self-learning AI detects and responds to never-before-seen threats
- Cyber AI allows security team to identify and respond to emerging attacks
- Dramatically reduced incidence of false-positive alerts

Business Background

HKBN Group (HKBN) is a leading integrated telecommunication and technology solutions provider that offers a comprehensive range of premier Information and Communication Technology (ICT) services to both the enterprise and residential markets across Hong Kong, Macau, China, Singapore, and Malaysia. With a core purpose to "Make our Home a Better Place to Live", HKBN sets out to deliver exceptional products and services, increasing positive social impact for its local communities. In Hong Kong alone, HKBN's fiber network reached about 2.4 million homes and 7,300 commercial buildings and facilities, forming the second-largest telecom and technology solutions provider. Having recently acquired Jardine One Solution Holding (JOS) and WTT Holding Corp (WTT) in Hong Kong, the company sought an advanced security tool that could not only protect its expansive network from today's sophisticated cyber-attackers, but also obtain oversight of its entire distributed digital infrastructure in a single, unified view.



The Enterprise Immune System has revolutionized our security. The amount of visibility we achieve from its machine learning approach is truly unparalleled.

Wilson Tang, Associate Director – Information Security

Challenge

HKBN manages a large amount of intellectual property and confidential customer data within its complex, multifaceted infrastructure. The company needed to prioritize its cyber defense strategy to protect its internal assets in order to maintain its brand reputation and position as a leader in its field.

Moreover, as part of HKBN's rapid growth and expansion plans to become a fully integrated ICT solutions provider, HKBN wanted a technology that could strengthen its cyber defences while merger and acquisitions were ongoing, and to have complete visibility and awareness of each individual network's activities.

“As excited as we are to bring a wide range of business applications and system integration expertise to our enterprise customers, we needed to prioritize our cyber security posture as the integration exposes us to cyber risks,” commented Wilson Tang, Associate Director – Information Security, HKBN

Solution

Following a thorough review of the market, HKBN decided to deploy Darktrace’s Enterprise Immune System technology across its entire digital business, to detect the earliest indications of cyber-threat, adaptively monitor the company’s network in real-time, and proactively defend the company’s dynamic workforce.

Powered by unsupervised machine learning, the Enterprise Immune System learns a unique and evolving ‘pattern of life’ for every user and device in the network. This continuously refined sense of ‘self,’ which evolves as HKBN’s network grows, enabled HKBN to detect deviations from ‘normal’ behavior, which may be indicative of a serious threat.

“We were impressed by Darktrace’s ability to detect even the subtlest signals of cyber-threats,” commented Wilson. “The Enterprise Immune System identifies threats as they are happening, and its spotting things that our legacy tools consistently miss.”

“
Not only does Darktrace illuminate our complex network in real-time, but it is an indispensable tool for us to defend against real and growing threats.”

Wilson Tang
Associate Director – Information Security

Benefits

Armed with the Enterprise Immune System’s innovative self-learning technology, Darktrace provided HKBN with complete, real-time visibility into its digital infrastructure – even with its ongoing merger and acquisition initiatives. HKBN is no longer constrained by partial visibility and traditional detection methodologies. Without any rules or signatures, its SOC (Security Operations Center) team receives early warning of genuinely anomalous activities that are indicative of emerging cyber-threats– enabling them to focus on what really matters. The actionable intelligence that Darktrace provides allows the team to respond immediately, and its prioritization of the most significant threats helps the security team focus on the most strategic initiatives.

HKBN has also benefited from Darktrace’s Threat Visualizer. This 3D graphical interface allows the HKBN SOC team to understand what is going on within its ever-growing complex systems, exposing areas to investigate in places that the team would have otherwise not known to look.

“Compared to all other solutions on the market at the moment, Darktrace is the only one that gives us greater confidence in our ability to defend against sophisticated threats, and a superior overall understanding of what is going on within our system. It truly is the best-in-class for our cyber defense needs.” said Wilson.

Contact Us

North America: +1 415 229 9100
Latin America: +55 11 4949 7696
Europe: +44 (0) 1223 394 100
Asia-Pacific: +65 6804 5010
info@darktrace.com
darktrace.com