

ELECTIVE
PROGRAM



UNDERSTANDING THE CYBERSECURITY LANDSCAPE

Faculty
Clement Arul



19 June 2023
9.00AM – 5.00PM



RM3,000 before SST



Program Overview

In today's cybersecurity landscape, the only secure system is one that is unplugged, turned off and in a locked room. However, since it is clearly not practical to leave our systems turned off or shutdown, it is critical that we understand the risks our systems are exposed to and take the necessary measures to defend them.

This program is designed to help participants understand, assess and take a proactive posture in cybersecurity; and understand why cybersecurity is a board level responsibility, and how to manage and mitigate cyber risks.

Learning Outcomes

At the end of the program, participants will be able to:

- Learn the anatomy of a cyber-attack;
- Gain knowledge about the threat environment including the latest trends in cyber-attacks;
- Gain understanding on requirements from different regulators pertaining to IT, data protection, etc.;
- Gain understanding on how to map security obligations by role across the organisation;
- Provide directors with handles on what to look out for in overseeing cybersecurity risks;
- Learn takeaway tips for protecting company and personal information.

Who Should Attend

- Directors of financial institutions
- Anyone else who may find the program helpful

Program Outline

Session 1: Introduction – Anatomy of an Attack

This session will explore the basics of security and outline the cyber attack lifecycle.

- What is security, vulnerabilities and 0 days?
- Cyber attack lifecycle
- Different attack vectors
- Threats versus risks
- Why perimeter defences are failing?
- Why anti-virus is not enough?
- Financial implications of a cyber attack
- Why cybersecurity is a board responsibility?

At the end of the session, participants will be able to identify the lifecycle of a cyber attack and the different types of cybersecurity risks; explain the financial implications of cyberattacks and the importance of cyber security oversight.

Session 2: Latest Attack Trends — 100% Demo

In this session, participants will learn the latest trends in cyber attacks and how these are carried out *via live demonstrations*.

- Business Email Compromise
- Ransomware
- Advanced Persistent Threat
- Malvertising
- Mobile Malwares
- Web Attacks
- Identity theft
- Social media based attacks
- Wireless (WiFi) attacks
- Account takeover and stufing

At the end of the session, participants will gain greater awareness on current cyber threats and risks, and appreciate the need to practise good hygiene in ensuring cybersecurity.

Session 3: Regulatory Guidelines

This session will discuss the regulatory guidelines issued by Bank Negara Malaysia and the Securities Commission on cybersecurity:

- Risk Management in IT Guidelines (BNM)
- Cybersecurity Guidelines (SC)

At the end of the session, participants will be able to articulate the regulatory requirements on cybersecurity from BNM and the SC. More critically, it will also highlight the role of the board in providing cybersecurity oversight.

Session 4: The Way Forward — Mitigating & Managing Cybersecurity

This session will outline security obligations by role across the organizations. It will also provide understanding on how to handle a cyber breach — *during* and *after* the incident — to make the organization more cyber resilient.

At the end of the session, participants will gain greater clarity on the different cybersecurity roles within the organization; and what to do in the event of a breach and after a breach.

- Security obligations by role
- Risk management framework
- Managing cyber risk through a governance framework
- Mitigating risk through cyber insurance
- Applying business intelligence to cybersecurity
- What to do during a cyber breach?
- What to do after a cyber breach?
- Role of the board and questions they must ask

Faculty



Clement Arul is Chief Executive Officer of Kaapagam Education Services Sdn. Bhd. He is a national and regional award-winning Cybersecurity Professional with twenty-two years of IT experience in security, ethical hacking, cyber security framework, security risk and governance, systems analysis, big data, IoT, design, development, secure coding, implementation, digital forensics and project management. Clement is a security consultant for many multinational and leading IT companies in the APAC region. He is also a frequent speaker at security events in APAC.

He has received the following awards and recognition for his work:

- IFSEC Global Top 20 Cybersecurity Professionals 2020, IFSEC Global, UK
- APAC Cyber Security Professional of the Year 2020, 2019, and 2017, Global Cybersecurity Excellence Awards
- Cyber Security Professional of the Year 2017, 2014, National Cyber Security Awards, Ministry of Science, Technology and Innovation (MOSTI), Government of Malaysia

REGISTRATION FORM

Understanding the Cybersecurity Landscape

FEE: RM3,000 before SST



Name:	
Designation:	
Company:	
Address:	
Contact Tel (Company):	
Contact Tel (Mobile):	
	<i>(mobile no of participant is mandatory to gain access to ASB Mobile App)</i>
Email Address:	
	<i>(email address of participant and not a representative)</i>
Meal Preference:	<input type="checkbox"/> Vegetarian <input type="checkbox"/> Non-Vegetarian
Name of Secretary:	
Contact Tel & Email Address:	

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