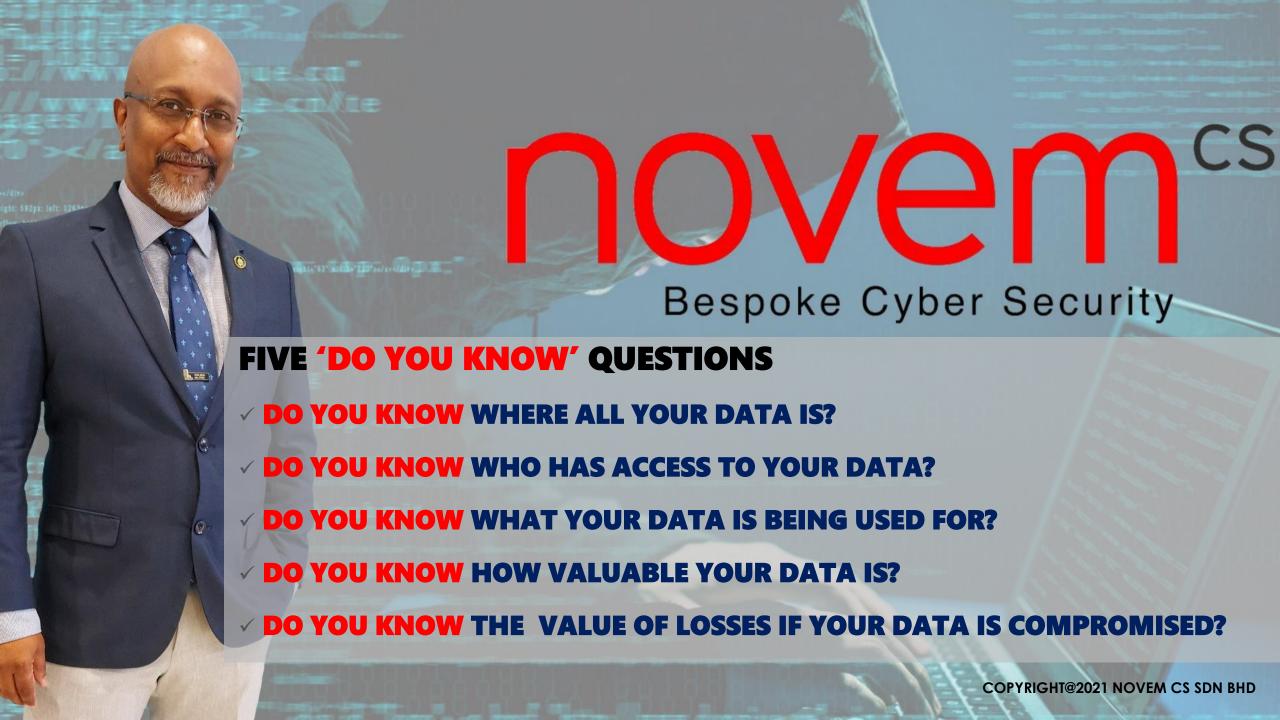# CYBER RESILIENCE:
THE NEW ERA OF TECHNOLOGY & RISKS

A WEBINAR PRESENTATION BY:

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EXECUTIVE DIRECTOR
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29TH JUNE 2021**

NAME: MURUGASON R THANGARATNAM

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CERTIFIED CYBER SECURITY PRACTITIONER

EXPERIENCE: 22+ YEARS IN SENIOR MANAGEMENT ROLES

CURRENT POSITION: EXECUTIVE CHAIRMAN @ ADVANCED SECURITY NETWORK SDN BHD

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FIVE 'DO YOU KNOW' QUESTIONS

✓ DO YOU KNOW WHERE ALL YOUR DATA IS?

✓ DO YOU KNOW WHO HAS ACCESS TO YOUR DATA?

✓ DO YOU KNOW WHAT YOUR DATA IS BEING USED FOR?

✓ DO YOU KNOW HOW VALUABLE YOUR DATA IS?

✓ DO YOU KNOW THE VALUE OF LOSSES IF YOUR DATA IS COMPROMISED?

The Security Specialist

WHAT IS CYBER RESILIENCE?

- A COMPREHENSIVE STRATEGY THAT **ANTICIPATES, WITHSTANDS, RECOVERS FROM** AND **ADAPTS TO** ADVERSE CONDITIONS, STRESSES AND COMPROMISES ON SYSTEMS, DUE TO **CYBER SECURITY INCIDENTS**.

CYBER SECURITY deals with strengthening an organization's defenses to prevent cybercriminals and malicious programs from compromising its network, data and IT infrastructure.

CYBER RESILIENCE is a more expansive concept covering Business Continuity, Securing Critical Business Processes, Identifying Potential Threat Vectors, Managing Risks, Minimizing The Severity Of Attacks and Implementing Procedures To Withstand Cyber Security Incidents.

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MYTH VS REALITY

1

MYTH
A strong password is enough to keep your business safe

REALITY
Two-factor authentication and data monitoring is also needed

2

MYTH
Small- and medium-sized businesses aren't targeted by hackers

REALITY
Small businesses made up over half of last year's breach victims

3

MYTH
Only certain industries are vulnerable to cyber attacks

REALITY
Any business with sensitive information is vulnerable to attack

4

MYTH
Anti-virus and anti-malware software keeps you completely safe

REALITY
Software can't protect against all cyber risks

5

MYTH
Cybersecurity threats come from the outside

REALITY
Insider threats are just as likely, and harder to detect

MYTH VS REALITY

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6

MYTH	REALITY
Cybersecurity is solely the IT department's responsibility	All employees play a role in keeping a company cybersafe

7

MYTH	REALITY
If Wi-Fi has a password, it's secure	All public Wi-Fi can be compromised, even with a password

8

MYTH	REALITY
You'll know right away if your computer is infected	Modern malware is stealthy and hard to detect

9

MYTH	REALITY
Personal devices don't need to be secured at work	All smart devices, including wearables, can compromise a network's system

10

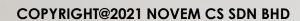| MYTH	REALITY
Complete cybersecurity can be achieved	Cyber preparedness is ongoing, with new threats emerging every day

CYBER RESILIENCE IS A MISSION

- ❑ **ANTICIPATE** YOUR RISKS
- ❑ **WITHSTAND** ATTACKS AND DISRUPTIONS
- ❑ **RESPOND AND RECOVER** FROM DISRUPTIONS
- ❑ **EVOLVE** AND REGULARLY REVIEW

BENEFITS OF CYBER RESILIENCE

- ❑ **MINIMISE** ECONOMIC IMPACT
- ❑ **HELPS** REMAIN COMPLIANT
- ❑ **IMPROVES** BRAND REPUTATION
- ❑ **SUSTAINS** BUSINESS CONTINUITY

CYBER HYGIENE is a reference to the practices and steps that users of computers and other devices take to maintain system health and improve online security.

- ❑ **STEP 1: Install reputable antivirus and malware software**
- ❑ **STEP 2: Use network firewalls**
- ❑ **STEP 3: Update software regularly**
- ❑ **STEP 4: Set strong passwords**
- ❑ **STEP 5: Use multi-factor authentication**
- ❑ **STEP 6: Employ device encryption**
- ❑ **STEP 7: Back up regularly**
- ❑ **STEP 8: Keep your hard drive clean**
- ❑ **STEP 9: Secure your router**

CYBER RESILIENCE IS ABOUT
BEING PREPARED
- IT'S NOT BEING BULLET PROOF!

CYBER RESILIENCE IS NOT A PRODUCT OR SERVICE. IT'S A
MISSION

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THANK YOU

#STAYSAFE

#STAYHEALTHY

#STAYPOSITIVE

#STAYCYBERSECURE