Tertiary Education Commission
Te Amorangi Mātauranga Matua

Cyber Security for the Tertiary Sector

An introduction

What is this project?

- The TEC, together with NZQA and MoE, is working on improving cyber security maturity across the education sector in Aotearoa New Zealand.

- TEC is leading the process for the tertiary sector.

- As first steps the project aims to raise awareness of cyber security issues, assess the sector's current state and provide guidance and support.

Tertiary Education Commission
Te Amorangi Mātauranga Matua

Ministry of Education
Te Tāhuhu o te Mātauranga

NZQA
NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

Other tertiary and vocational education and training sector advisors

Tertiary Education Commission
Te Amorangi Mātauranga Matua

Why this project?

- Cyber security attacks are on the rise and should be a major concern for all organisations and individuals.

- Everyone in the sector has a responsibility to help keep the sector safe.

- In many cases cyber-attacks could have been avoided relatively simply even as attacks become more frequent and more sophisticated.

Cyber security stats

- Many cyber-attacks are successful simply because basic security hygiene has not been followed. Last year:

80%

of security incidents can be traced to a few missing elements that could be addressed through modern security approaches.

900

password attacks per second defended against by Microsoft.

90%+

of accounts compromised were not protected with strong authentication.

- We can act now to create a safer cyber ecosystem

531,000

unique phishing URLs and 5,400 phish kits were taken down at the direction of our Digital Crimes Unit.

70 billion

email and identity threat attacks were blocked by Microsoft last year alone.

2.75 million

site registrations were successfully blocked by Microsoft to get ahead of criminal actors that planned to use them to engage in global cybercrime.

Microsoft Digital Defense Report 2022

Tertiary Education Commission
Te Amorangi Mātauranga Matua

How will we go about this?

- Work with our partners to raise awareness.

- Assess the sector to gauge cyber security maturity levels and provide guidance and advice to help get a minimum level of protection in place.

- Investigate solutions that would raise cyber security maturity and could be offered sector wide

- Tactical approach (what can we do now); making use of opportunities in the cyber security and education sectors here and in Australia.

- Focus on people, process & technology (cyber security is not an 'IT problem')

PEOPLE + PROCESS + TECHNOLOGY

Who is involved?

Steering Group

TEC

NZQA

MoE

Advisory Group

Universities

Wānanga

Te Pūkenga

Advisory Group

PTEs

Next steps

- Engage widely with sector through comms and advisory group

- Raise awareness

- Establish an annual cyber security assessment programme

- Investigate and procure industry-based solutions including tools like e-learning and phishing

- Identify and provide access to training opportunities

- Provide guidance and support (e.g. on critical controls)

Ngā mihi

For more information contact
Roy Hoogmoed, Senior Project Manager
Email: Roy.Hoogmoed@tec.govt.nz