PUBLIC SECTOR NETWORK

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Cyber New Zealand Showcase 2023

Strategic Cyber Leadership for Government: Developing Resilience, Transforming Culture, Driving Capability

Thursday, 9 November 2023

TSB Arena & Auditorium (Shed 6), Wellington

Agenda at a Glance

As cyber threats continue to grow in sophistication, complexity and severity, New Zealand's government agencies, businesses, universities and kura are at risk of attack daily. As the ability of bad actors to steal and encrypt valuable data and extort ransomware payments continues to grow, the risk of data theft, private information exposure and potentially catastrophic disruption to our economy, key industries and essential public services increases exponentially.

Join us at the Public Sector Network's **Cyber New Zealand Showcase 2023** and gain valuable insights into effective cyber security risk mitigation strategies and techniques.

Attendees of this year's showcase will have the opportunity to listen to industry leaders from central and local government agencies and academic institutions, as they provide in-depth insights into:

a. Developing organisation-wide infrastructure resilience

b. Leading the transformation of a security culture

c. Building stronger capability through investment prioritisation

d. Defending their organisation from complex threats

e. Securing the operations of essential networks and data

f. Attracting and retaining cyber security talent

This showcase will also explore real-life case studies that will enhance your understanding of improving cyber security on a national scale.

Who You'll Meet

Meet Chiefs/Directors/Heads/Managers of:

- Cyber Security
- Risk Management
- ICT Security / Cloud Security
- Data Security

- Network Security
- Technology
- Digital Security
- Information Management

Benefits of Attending

Discover the latest tools and platforms cyber leaders are investing in and implementing to strengthen security

Learn about the latest methods to protect your networks and keep data safe from bad actors

Gain first-hand practical information and inspiration from the experiences and insights shared by cyber thought leaders who share your industry and sector specific challenges

Hear case studies from leaders across the country about the challenges facing cyber specialists as threats continue to escalate

Key Themes

- Developing Agile, Robust & Resilient Network Security

- How to Prioritise Investments in Tools and Technology

- Predict and Prevent Emerging and Future Cyber Attacks

- Monitoring of Critical Systems and Instrumentation Issues

- Security Culture Transformation Leadership

- Managing Supply Chain Risk and Improving Organisational Resilience

- Protecting the Security and Continuity of Essential Services in a Crisis

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Gives a broader perspective on Cyber Security issues and concerns than from just individual agencies. Plus, raising awareness of current tends.

New Zealand Customs Service

Your Inspiring Speakers

A/Prof. Chris Ward
Managing Director
Cyber365

Peter Booth
Group Manager, Security Services and Performance
Te Whatu Ora Health NZ

Jay Harris
Chief Information Security Officer
Inland Revenue Department

Jordan Heersping
Manager, Threat and Incident Response
CERT NZ

Jamie Knight
Director of Cyber Defence Operations
National Cyber Security Centre

Jay Nowitz
Senior Information Security Advisor
Oranga Tamariki

Tom Roberts
Team Leader, Threat & Incident Response
CERT NZ

Derek Robson
Chief Information Security Officer
New Zealand Parliament

Ruth Russell
Kaihautū Hangarau Whakaaturanga, Chief Information Officer
Te Tumu Paeroa - Office of the Maori Trustee

Jonathan Wilkins
Chief Information Security Officer
Ministry for Primary Industries

James Anderson
Consultant
Mandiant, now part of Google Cloud

Vlat Jaeger
Sr. Solutions Engineer
Zscaler

Adam Rice
Cybersecurity Advisory
Cisco

Khaled Sefian
National Cybersecurity Strategist
OpenText

8:00am	**Registration and Networking**

8:50am	**Traditional Welcome** Ngati Poneke Young Maori Club Inc

9:00am	**Welcome from Public Sector Network**

9:15am	**Welcome from the Chair** **A/Prof. Chris Ward,** *Managing Director,* Cyber365

9:25am   **Opening Keynote: Government Update on the Current Cyber Threat Landscape: Actions Organisations Can Take to Build Resilienc**

- An overview of the current threats facing organisations globally
- Sharing NCSC's insights into building cyber security resilience
- Setting out how the NCSC can provide support when things go wrong

Jamie Knight, *Director of Cyber Defence Operations,* National Cyber Security Centre

9:45am   **Partner Session: Scam Me if You Can: Why Social Engineering Continues to be an Enduring Security Risk for Public and Private Organisations**

- How gaps in the system give criminals opportunities to attack and access to sensitive resources
- Learnings gained breaking into dozens of systems from a seasoned red teamer
- Key insights into the cunning new methods used in successful social engineering attacks

James Anderson, *Consulting Manager,* Mandiant, now part of Google Cloud

10:05am   **Keynote: Future Strategic Planning and Critical Controls: An Exclusive Update from CERT NZ**

- Identifying priority risks in your organisation: implementing preventative critical controls
- Reviewing our critical controls against the incidents we have seen over the past 12 months: reporting results from the key data set
- Data and insights we received from reports and international threat feeds
- How and why attacks that occurred in the past financial year could have been prevented
- Looking to 2024 and beyond: CERT's current key focus and projected future priorities

Jordan Heersping, *Manager, Threat and Incident Response,* CERT NZ

10:25am	**Morning Coffee and Networking Break**

10:55am   **Partner Session:** **Cyber in the Age of AI: Risks and Opportunities**

- Current state of AI and the effect of AI on organisations
- How to secure the use of generative AI
- How Zscaler is using AI-based security controls to stop the latest attacks and further enhance data protection

Vlat Jaeger, *Sr. Solutions Engineer,* Zscaler

11:15am   **Government Keynote:** **Get the Basics Right and Don't Panic: Planning Your Security Strategy**

- Security threats are constantly evolving; why there should be no need to panic if you prioritise getting the basics right
- Identifying cyber-smart investments in emerging tech to future-proof your organisation
- Chat GPT is a hot topic: why a solid privacy policy is something you should already have in place
- Ransomware is major threat, how and why application control and adequate offsite backups will give you good protection

Derek Robson, *Chief Information Security Officer,* New Zealand Parliament

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11:35am   **Panel Discussion:** **Designing a Roadmap for Achieving Agile & Resilient Network Security**

- How can you identify and analyse your organisation's unique risk profile to determine the most critical data for your agency and its key client-users?
- How can we ensure programs and investments in technologies reduce risks to acceptable levels?
- What's the best means of embedding a zero-trust framework in a network security strategy?
- How should we design and implement cybersecurity awareness training programs to educate employees about their critical role in cyber defence?
- How do you identify gaps and priorities to address these within budgetary and personnel constraints?

Jonathan Wilkins, *Chief Information Security Officer,* Ministry for Primary Industries

Tom Roberts, *Team Leader, Threat & Incident Response,* Cert NZ

Khaled Sefian, *National Cybersecurity Strategist,* OpenText

12:05pm   **Roundtable Discussions**

Roundtable 1: **Vulnerability Management - the Non Human Type**

You will hear from James Anderson earlier in the day about vulnerabilities exposed though social engineering. Beyond that, how do you understand your network's Attack Surface vulnerabilities - the areas in which threat actors could break in?

As a defender, do you know where the vulnerabilities are in your networks? Because you can be sure the attackers do. How do you identify vulnerabilities before attackers, and before they exploit those vulnerabilities?

Facilitated by James Anderson, *Consultant,* Mandiant, now part of Google Cloud

Roundtable 2: War stories from the trenches of early days of the APT battels in the US defence industrial base

- How we went from losing to winning the battle against our Nation State adversaries

Facilitated by Adam Rice, *Cyber Security Advisor,* Cisco

Roundtable 3: The Art of Data Protection: Putting Data Privacy and Protection at the Centre of Your Security Strategy

You will discuss the evolving data security challenge and leading practices for implementing a data-centric security framework

Facilitated by Khaled Sefian, *National Cybersecurity Strategist* **and Irfan Najeeb,** *Cybersecurity Strategist,* OpenText

Roundtable 4: Discussing the AI Opportunity for IT and Security Teams

- Using AI/ML for better engagement and customer service
- Strengthening your security posture against the risks of AI
- Formulating a comprehensive data protection strategy

Facilitated by Clive Levido, *Regional Sales Manager,* Zscaler

Roundtable 5: Graduate pathways into Cybersecurity and developing the emergent talent in the area
Facilitated by Jay Nowitz, *Senior Information Security Advisor, Oranga Tamariki*

Roundtable 6: How should we design and implement cybersecurity awareness training programs to educate employees about their critical role in cyber defence?
Facilitated by Duane Wilkins, *Programme Manager, Stats NZ*

1:05pm	**Lunch and Networking Break**
2:05pm	**Welcome Back from the Chair**
2:10pm	**Partner Session:** Thoughts on practical mitigation strategies for getting in front of Advanced Persistent Threats (APT) based on years of experience in the US Defence Industrial base.

- This session will explore a broad overview of APTs, the relationship between good threat intelligence, threat attribution, and the basic steps to see and stop the threat.

Adam Rice, *Cybersecurity Advisory,* Cisco

2:30pm   **Government Keynote:** Navigating a Brave New World of Digital Identity: How CX Innovation is Transforming the Department of Inland Revenue's Security Strategy

- Digitising the IRD and enabling IRD to transact digitally with taxpayers and their representatives: update on our work in progress and strategic future plans for transformation
- Key implications and our most critical challenges for safely securing businesses operating in a new digital ecosystem: connected digitally to suppliers and customers
- Driving secure network capability for administration of tax and social policy payments integrated into broader economic systems: enabling individuals or businesses to use a common digital identity across a range of services
- Insights from our organisation's unique transformation journey to date and lessons learned

Jay Harris, *Chief Information Security Officer,* Inland Revenue Department

2:50pm   **Panel Discussion: Solving Issues Related to Instrumentation and Monitoring of Critical Systems**

- How can we most effectively collaborate to close the root cause: the cyber security skills gaps?
- What opportunities could the latest iteration of Data Loss Prevention tools offer organisations?
- How valuable as a proactive protection strategy against preventing leaks is the gathering of user data and filtering of potentially offensive actions to unveil fraud or data exfiltration attempts?

Jay Nowitz, *Senior Information Security Advisor,* Oranga Tamariki

Derek Robson, *Chief Information Security Officer,* New Zealand Parliament

Peter Booth, *Group Manager – Security Services and Performance*, Te Whatu Ora

3:20pm   **Government Keynote: Building Capability to Manage Supply Chain Risk and Improve Organisational Cyber Resilience**

- Identifying supply chain entities and supplier management processes
- Assessing the cyber threat landscape and determining which suppliers are most critical
- Establishing processes to effectively manage supply chain risk and continuously improve your organisation's cyber resilience

Jonathan Wilkins, *Chief Information Security Officer,* Ministry for Primary Industries

3:40pm   **Case Study: Security Transformation Leadership: Distinguishing Myth from Reality**

- How to prioritise investments in security capability to reduce risk
- Security culture transformation and leadership: values-based approach to security
- Embedding a continuously improving security culture, resilient to evolving security threats

Ruth Russell, *Kaihautū Hangarau Whakaaturanga Chief Information Officer,* Te Tumu Paeroa - Office of the Māori Trustee

4:00pm   **Closing Remarks**

4:10pm   **Networking Drinks**

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It was good to hear from others working in similar organisations who are facing many of the same challenges.

Callaghan Innovation

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Speakers with real world experience sharing their knowledge about when they dealt with a cyber breach.

Hawkes Bay Regional Council

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A great insight into cyber security and challenges that professionals are facing in the NZ Industry.

New Zealand Parliament

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I have learned a lot and found it very interesting.

Museum of New Zealand Te Papa

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