المـــؤتمـــر الـــدولـــي الأول للتحـــــول الرقـمـــــي

The 1st International Digital Transformation Conference

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توجهات الأمن السيبراني في ظل التحول الرقمي

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تمكيـن المسـتقبـل الرقـمي

2023 حزيران 20

June 20, 2023

Organized by: الجامعة العربية الأمريكية ARAB AMERICAN UNIVERSITY

In Partner with: MTIT

Main Sponsor: Bank of Palestine Group مجموعة بنك فلسطين, PALPAY, INTERSECT

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Introduction

- **We are** a **Palestinian** company that provides innovative consultancy services, best-in-class and next generation solutions and effective training and awareness programs in the Middle East and Europe

- **Our** experts have over **30+ years** of **experience** in the field of IT and Information Security

- **We** partner with some of the **best security companies** the in the world

Threat landscape 2023-2024

- The Ransomware Battle Continues
- Rapid Adoption of Artificial Intelligence by threat actors
- Increased Surface Area for Attacks
- Cloud-Based Attacks
- Social Engineering Employees and Customers
- Growing Threat of Supply Chain Attacks
- Web Application and Mobile Attacks
- Customer / Citizen will continue to be targets
- Large Scale Denial/Disruption of Service attacks - DDoS
- Increase of the cybersecurity skill gap

Digital Transformation Era

- Digital transformation presents **unique challenges** and **risks** to **cybersecurity** in **Palestine**
  - **Limited** resources and **funding** for cybersecurity initiatives.
  - Rapidly **evolving technologies** that outpace security measures.
  - **Skill shortages** and lack of **cybersecurity expertise**.
- A comprehensive **Agile** national **cybersecurity strategy** is **essential** to address these challenges.
-

Agile National Cybersecurity Strategy

- **Continuously assess** the cybersecurity landscape and adapt the approach through regular monitoring of emerging threats and technological advancements (AI threat augmentation).
- **Flexibility** and **scalability** to scale up resources and capabilities as needed
- **Converged** and **optimized** Cybersecurity program
- Emphasize **collaboration** among different stakeholders, including government agencies, private sector entities, and international partners.

Secure Infrastructure and Technologies

- Challenges that face securing infrastructure
  - **Limited budgets** for implementing robust security measures.
  - The need of technical **capabilities** to adopt **new technologies**
  - The need of technical **capabilities** to address **evolving threats**

Balancing security and usability in digital transformation initiatives.

Protecting data and privacy

- Challenges of Protecting data and privacy
  - Lack of comprehensive data protection **laws** and **regulations**.
  - Lack of comprehensive **data management programs**
  - Inadequate **awareness** of privacy **rights** and **responsibilities**.
  - **Difficulties** in enforcing **compliance** and **accountability**.

Information Safeguards builds trust in digital transformation

Continuous Monitoring and Threat Intelligence

- Challenges of Detection dominant approach
  - **Insufficient** tools and **technologies** for **real-time monitoring**
  - **Lack of access** to timely and **relevant threat intelligence** (Context and Price)
  - **Limited** capacity to **analyze** and act on threat intelligence and Dark Web Intel

Implementation of detection dominant measures

Public-Private Partnerships

- **Aligning** interests and objectives between **public** and **private** sectors.
- **Overcoming** barriers to **collaboration**.
- Building **trust** and sharing sensitive information.

Collaborative efforts in securing digital transformation.

International Cooperation

- International cooperation challenges
  - Varying cybersecurity frameworks and legal frameworks across countries
  - Balancing national interests with global cybersecurity objectives
  - Ensuring effective information sharing while protecting sovereignty

Foster collective action against global cyber threats.

Thank You!

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