ECSO

EUROPEAN CYBER SECURITY ORGANISATION

Cybersecurity Awareness Calendar 2024

September

IOT

Turning up Neon Lights for Awareness Nights!

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ECSO aims to spread awareness of key aspects of cybersecurity and showcase ECSO Members and the cybersecurity community's solutions and services.

Introducing our 2024 topics:

January: Zero trust
February: Quantum Computing and cryptography
March: Ransomware
April: Cybersecurity solutions to secure SME businesses
May: The road to a career in cyber
June: Supply Chain
July: European regulations and compliance
August: 5G Security
September: IOT
October: Artificial Intelligence
November: Threat vulnerability
December: Cloud computing

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Resources from our Members

Simplifying IoT: Innovative eSIM specification takes center stage

ERICSSON

GSMA's release of an eSIM specification for constrained IoT devices revolutionizes remote SIM provisioning. Addressing challenges in managing smaller sensors, this innovation simplifies the process. Device owners order profiles from a mobile service provider, enabling the eSIM IoT Remote Manager to facilitate secure, encrypted profile downloads to the eUICC. Anticipated to streamline eSIM adoption for IoT, this advancement promises easier connectivity management that integrates well with different device management solutions.

Read more: GSMA releases eSIM for constrained IoT devices - Ericsson

Ensuring IoT Security

The Internet of Things (IoT) represents a network of connected devices that collect and exchange data in real-time, enhancing efficiency across many sectors. However, IoT security is a crucial challenge, as these devices are often vulnerable to cyberattacks, privacy threats, and remote manipulation. Exprivia has become a member of the ioXt Alliance (Internet of Secure Things), the global network for IoT device security, involving key players in the technology sector with the aim of creating internationally recognized security standards. IoT devices are constantly increasing, and for user safety, they must be certified according to globally recognized security standards. The Exprivia CyberSecurity team will be able to verify the adoption of reliable cryptographic protocols with authentication mechanisms that do not allow universal passwords, verify software vulnerabilities and their updating process, to protect security in a guaranteed minimum period of time.

Read more HERE

Learn about IoT security with ISC2

IoT devices are particularly vulnerable to threats. ISC2 has a host of resources to help information security professionals to understand and address those vulnerabilities.

Courses

ISC2 provides courses to help information security professionals stay up to date on how to secure IoT:

Security in the IoT Ecosystem: What is IoT and the IoT Ecosystem?

Best Practices in Managing IoT Cybersecurity

Security in the IoT: Surveying IoT Security Challenges

Blogs

Check out ISC2 Insights on IoT security approaches and regulation:

The Dawn of True IoT Security

Time to Get IoT Security and Understanding Back on Track

Security in the IoT Ecosystem

Resources from the Community

The Interconnected Future: IoT Devices and Cybersecurity

HWG Sababa

With over 75 billion IoT devices expected worldwide by 2025, these technologies are integrating into every aspect of modern life - from smart homes and connected cars to industrial automation and healthcare monitoring. However, this interconnected future also introduces significant cybersecurity challenges, including supply chain vulnerabilities, privacy issues, inadequate security measures, and more. Read the article to discover how to mitigate these risks.

Read more HERE.

DOSS

THE DOSS IoT SUPPLY TRUST CHAIN CONCEPT (STC)

The Horizon Europe DOSS project enhances IoT security by introducing an integrated monitoring and validation framework across the entire supply chain. Using a modular architecture, it verifies devices and software, tracking their security throughout their lifecycle. Central to this is the Device Security Passport (DSP), stored on a decentralized platform and validated by a Digital Cybersecurity Twin. The framework ensures only authentic products are installed, security is continuously monitored, and compliance with legal standards is maintained.

Read more about the DOSS Supply Trust Chain here and here!

Thank you for your time!

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The Cybersecurity Awareness Calendar
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