



Intelligent Security. Everywhere.

# **In the Wake of SolarWinds: Implications for Education**

John McClurg, BlackBerry Sr. Vice President and CISO

# AI Is Transforming the Battlespace

- How are adversaries responding?
  - Retreating into the physical world by exploiting “trusted insiders”
    - Indications of compromise less likely to be detected by AI-supported tools
  - Spearphishing
  - Long and patient reconnaissance
  - Compromising continuous introduction/continuous delivery tools
  - Crimeware-as-a-service as evidenced in [BlackBerry Bahamut Report](#)
    - Impenetrable wall of plausible deniability
  - Attacking numerous **Supply Chain** “weak links
  - Recent Presidential Executive Order – SBOM and Open Source Software



# Effective Defensive Counter-Measures

- Zero Trust networking – Continuous Authentication
- Role-based access controls
  - Users
  - Applications
  - Servers
- Unified threat prevention and policy management

# The Shape of Cybersecurity's Future

- **Converged:**

- A single organisation manages both cyber and physical security operations

- **Cored:**

- The security infrastructure is reduced in size and complexity to the minimally essential core needed to support critical security operations across the complete spectrum from cloud to fixed and mobile platforms and device ownership models. Skills Gap Mitigation

- **Connected:**

- Data from connected security controls is consolidated, contextualised, and managed in a single pane of glass that provides analysts with a unified view of the cybersecurity battlespace





Intelligent Security. Everywhere.

## **In the Wake of SolarWinds: Implications for Education**

John McClurg, BlackBerry Sr. Vice President and CISO

# **Thank you!**