The Future of Secure Cloud Connectivity

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About Jason Bloomberg

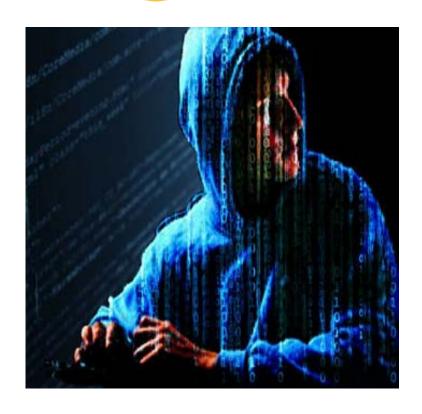

- Founder and Managing Partner of industry analyst firm Intellyx

- Leading IT industry analyst, author, keynote speaker, and globally recognized expert on multiple disruptive trends in enterprise technology and digital transformation

- Write for *SiliconANGLE*, *CIO*, and other publications

- Author or coauthor of five books, including *Low-Code for Dummies* and *The Agile Architecture Revolution*
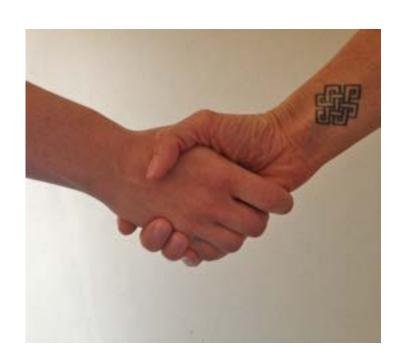
The Exploding Attack Surface

- **Corporate endpoints**
- **Work-from-home: home office/remote office**
- **Explosion of types of devices**
- **Internet of Things**

Perimeter-based security no longer sufficient

Cloud Shared Responsibility Model

- **Cloud providers offer security tools and capabilities**
- **Cloud customers must properly configure and manage them**
- **Who is responsible in multi-cloud/hybrid IT scenarios?**

Zero Trust and Cloud-Native Zero Trust

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'First Generation' Zero Trust

- **All endpoints are untrusted until identities and privileges are confirmed**
  - For every interaction
  - Human identity-centric

Cloud Native Zero Trust

- **Cloud native computing abstracts endpoints**
- **May be dynamic**
  - May not have fixed IP addresses
  - Endpoint identity-centric

Security at all Layers

- **Network**
  - Physical, virtual, software-defined
- **Infrastructure**
  - Legacy, Web, and Cloud Native
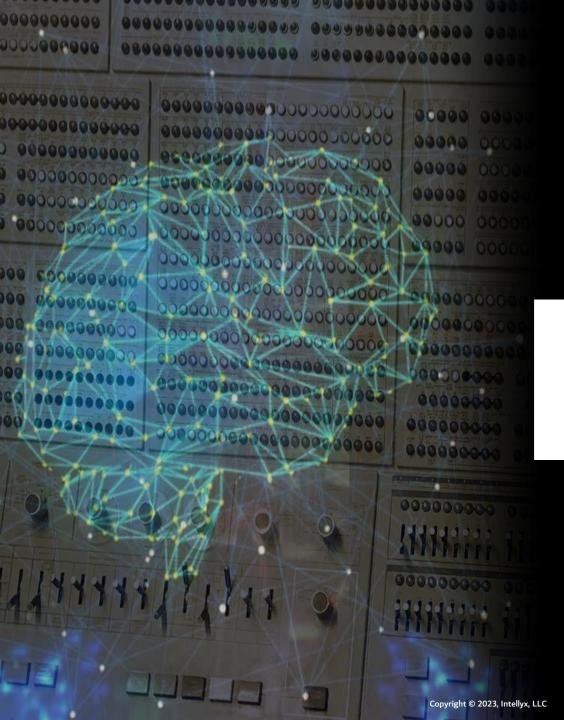- **Middleware**
  - On-premises and cloud-based
- **Data**
  - Most important to compliance (GDPR, HIPAA, etc.)
- **Application**
  - Build secure software in the first place

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Don't lock your doors and leave the windows open

Thank You!

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