IoT Security: Two Views

Lorie Wigle - General Manager, IoT Security Solutions

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Supplier Perspective
Identity and Patching

Intel Key Generation Facility since 2008

Bunch of keys CC2.0 Flickr – pixishared
billions and billions served CC2.0 Flickr-Bon Adrien
Basic Block Architecture

Software
- Whitelisting
- Data Encryption
- Security Analytics
- Policy management
- Provisioning & Revocation

Hardware
- Trusted Execution Environment
- Hardware and Software Identities
- Protected Boot
- Protected Storage

Protected Storage

Trusted Execution Environment

Hardware and Software Identities

Protected Boot

Protected Storage

Whitelisting

Data Encryption

Security Analytics

Policy management

Provisioning & Revocation