Security & Trust

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Technology in the Coming Century

Terabit Networks

Enhanced Virtual Reality

Artificial Intelligence

Quantum Computing
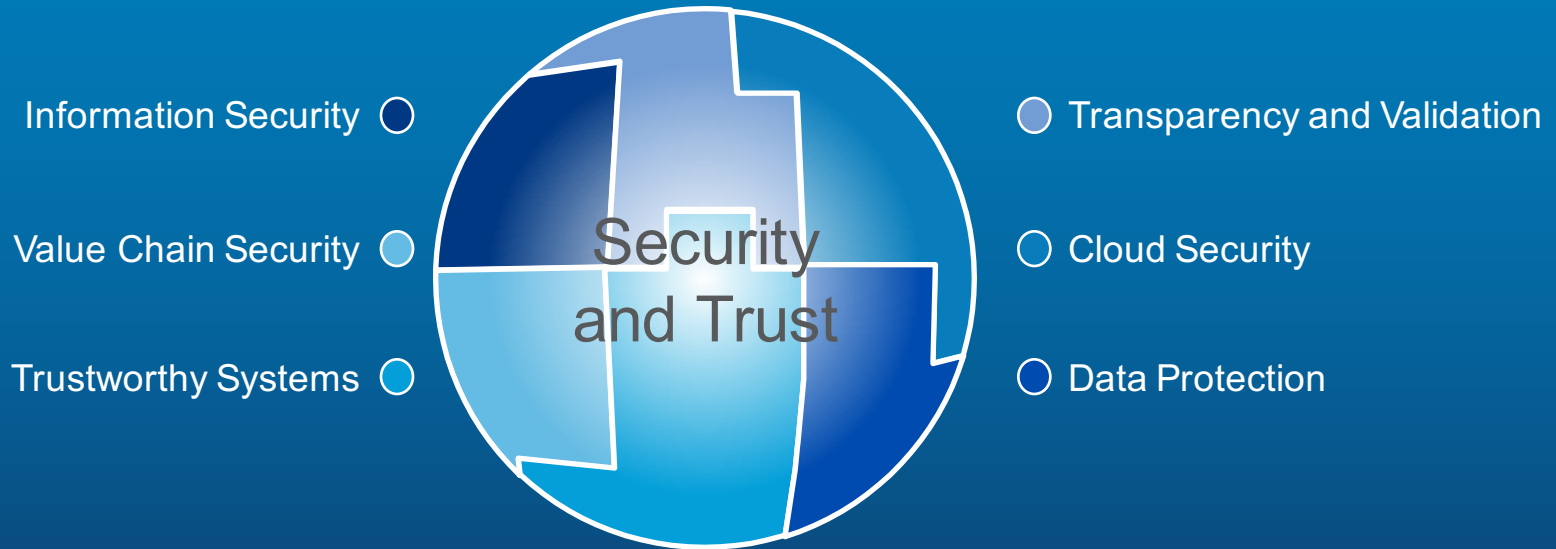
3D Multi-Screen Environment

Holographic Storage

>50B Connected Devices

Global Population exceeds 8 Billion in 2025
With 10x the connected devices

Cisco's Approach to Security and Trust

Threat-centric portfolio…

Information Security

Value Chain Security

Trustworthy Systems

Security and Trust

Transparency and Validation

Cloud Security

Data Protection

People

Process

Technology

Policy

Pervasive Security & Trust Across Cisco's Portfolio

Platform
Integrity

Secure
Communications

Visibility
and Control

Prevention

Detection

Recovery

Trustworthy Systems

Securing the Device

- Product Production and Delivery
  - Hardware Trust Anchor
- Software Delivery and Secure Boot
- Secure Run-Time
  - Secure Storage
  - Attack surface reduction
  - Resource Management

Securing Network Communications

- Secure Network Protocols
- Strong Defensive Perimeter
- Cryptography Common Functions
- Management system communication
- Secure defaults

Trustworthy Application Support

- Readiness for Hosting Applications
- Secure Open Containers, VMs, Sandboxes
- Application Development Processes
- App-level Resource Management
- Encryption services

Common Elements

Digital Identity

- Secure Unique Identity
- Authentication Mechanisms
- Public Key Infrastructure

Trust Management and Control
Show that it's working

- Integrity Assurance Applications
- Audits, Logging, Alarms

Trust in Simplified Operations

- Making security easy and automatic
- Smart Licensing
- Orchestrate security settings

Compliance and Certifications