

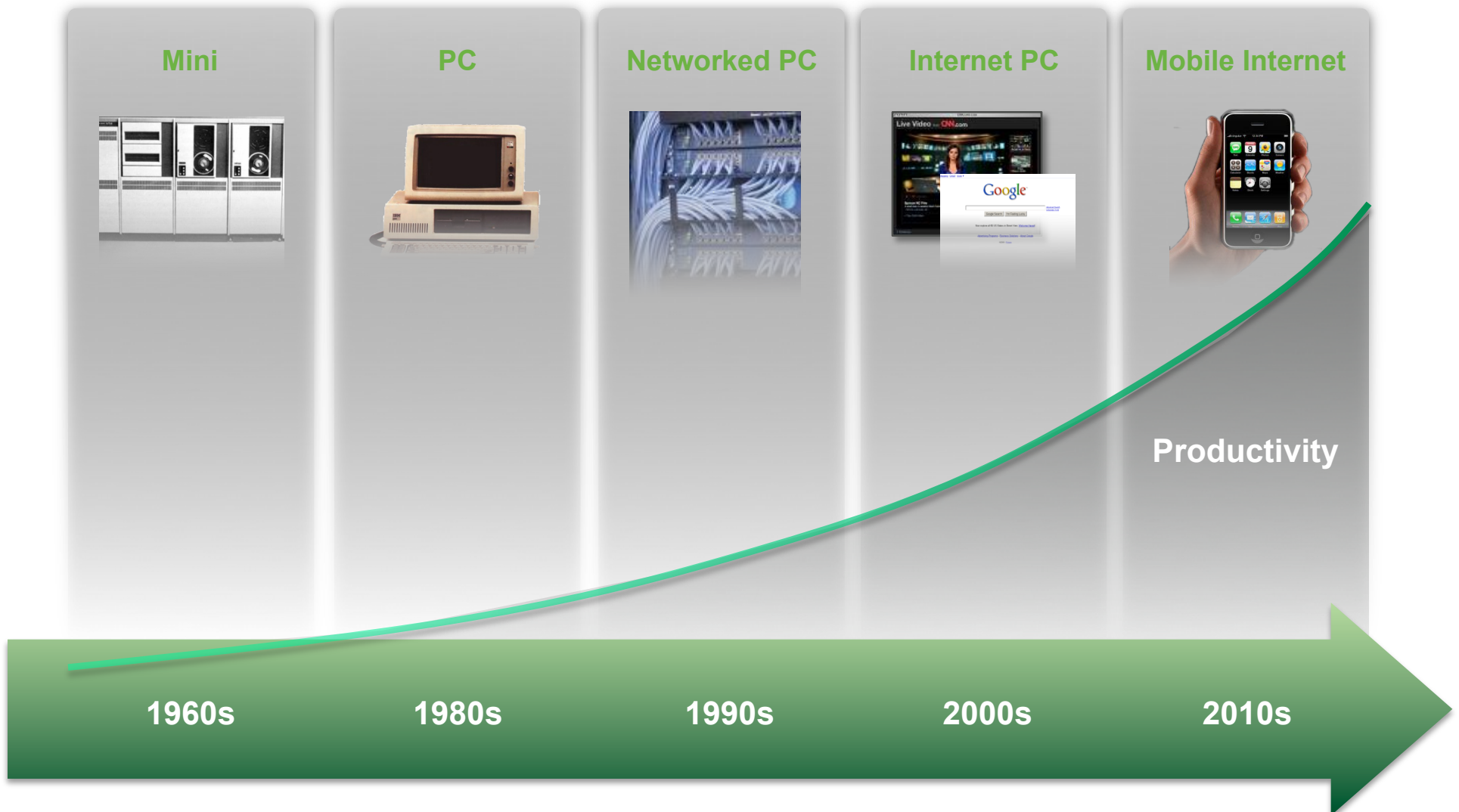


Cisco Secure Mobility

Laure Andrieux, Product Manager

September 2011

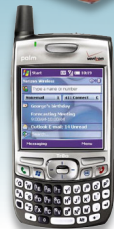
Mobility: The Next Computing Cycle



The Problem Is Getting Harder

The World
as We Knew It

Managed Devices



The World
Today

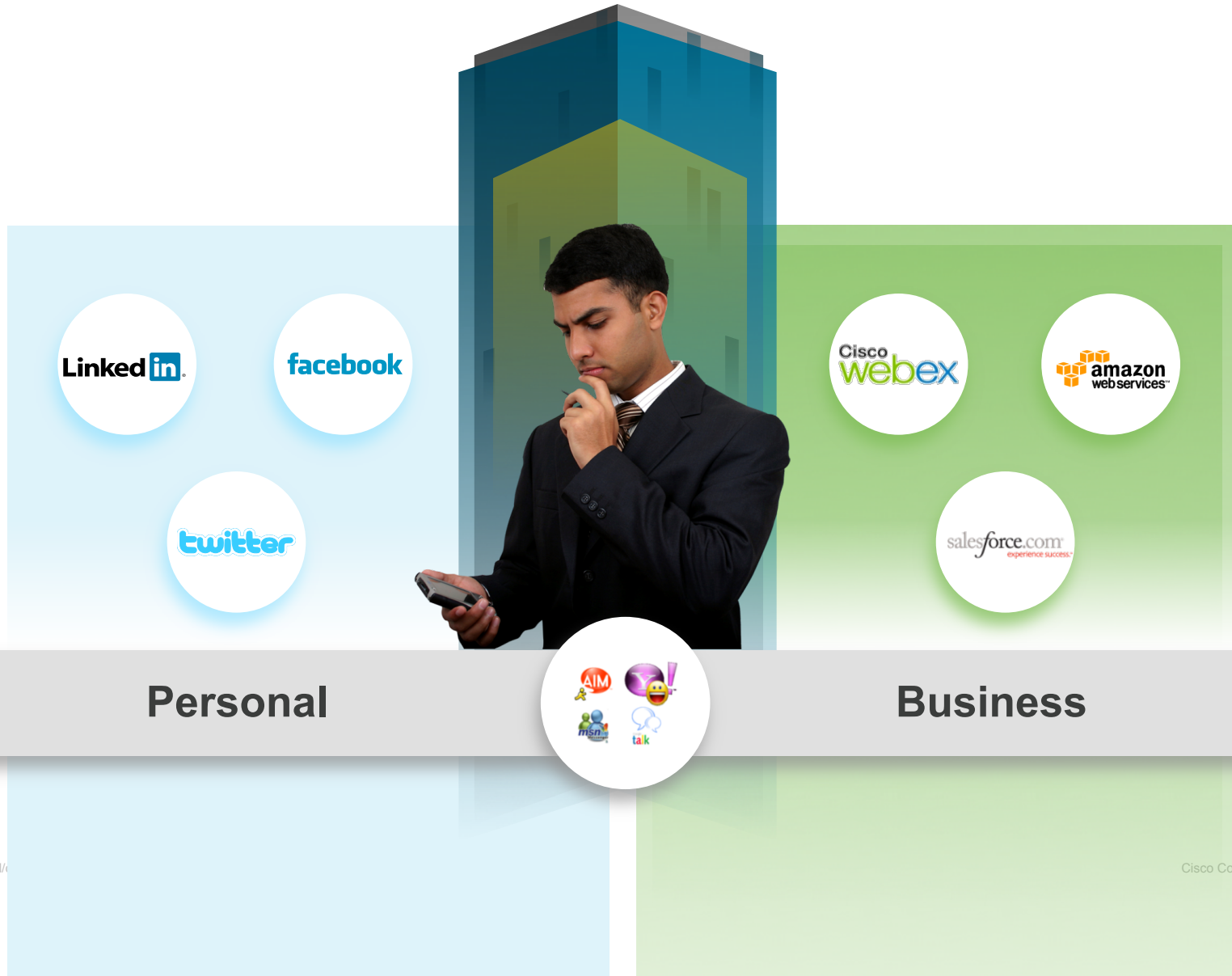


Un-Managed
Devices

Un-Managed Devices



BYOD Trade-Offs



Personal

Business

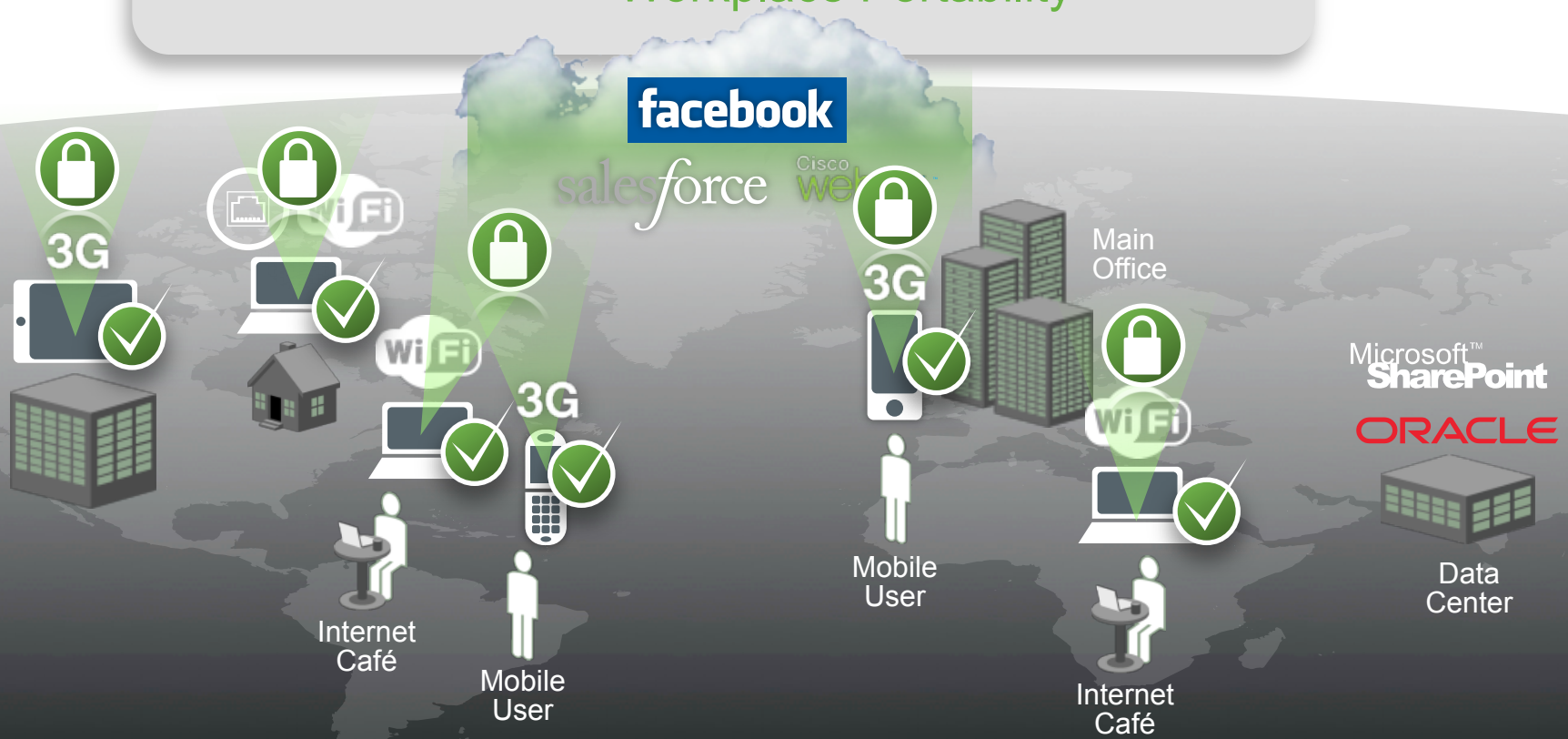
LEGACY
REMOTE
ACCESS

- Fixed Locations
- Managed Devices
- Ethernet or WiFi Connectivity
- Data Center Applications Only
- Traffic Backhauled
- Secure Within Tunnel Only
- Limited Policy
- No Workplace Portability



SECURE
MOBILITY

Multiple Locations
Choice of Devices
Wired, Wireless, 3G, 4G
Application Portability
Distributed Enforcement
Always On, Always Secure
Persistent Policy
Workplace Portability



Seamless Connectivity

Always On / On-Demand

Auto-reconnect

Trusted Network Detection

Optimal Gateway Selection

Clientless Access



Integrated Security

Identity-based Network Access and Security

802.1X and 802.1AE

Device Posture Assessment

Web Security: Form Factor Choice



Dynamic Access Policies



Dynamic Access Policies (DAP)

- Real-time control of corporate network resources and applications
- Based on user, group, device posture, location

A Spectrum from Managed to Unmanaged

How much control should users have:

On their mobile smartphones and tablets?

On their desk/laptop ?

On corporate devices?



User-managed
No IT control

Some IT Control

IT-managed
No user control

Cisco Secure Mobility

Widest Range of Connectivity Options

IPsec VPN Tunneling

Clientless VPN Access

SSL VPN Tunneling

DTLS (voice/video) Tunneling

Mobile Access



Powered by Cisco ASA

Cisco AnyConnect

Unified Client for Secure Mobility



Leading Edge VPN

Always On Protection for PC's

Consumerization Enablement



Some Things You Can Do with AnyConnect

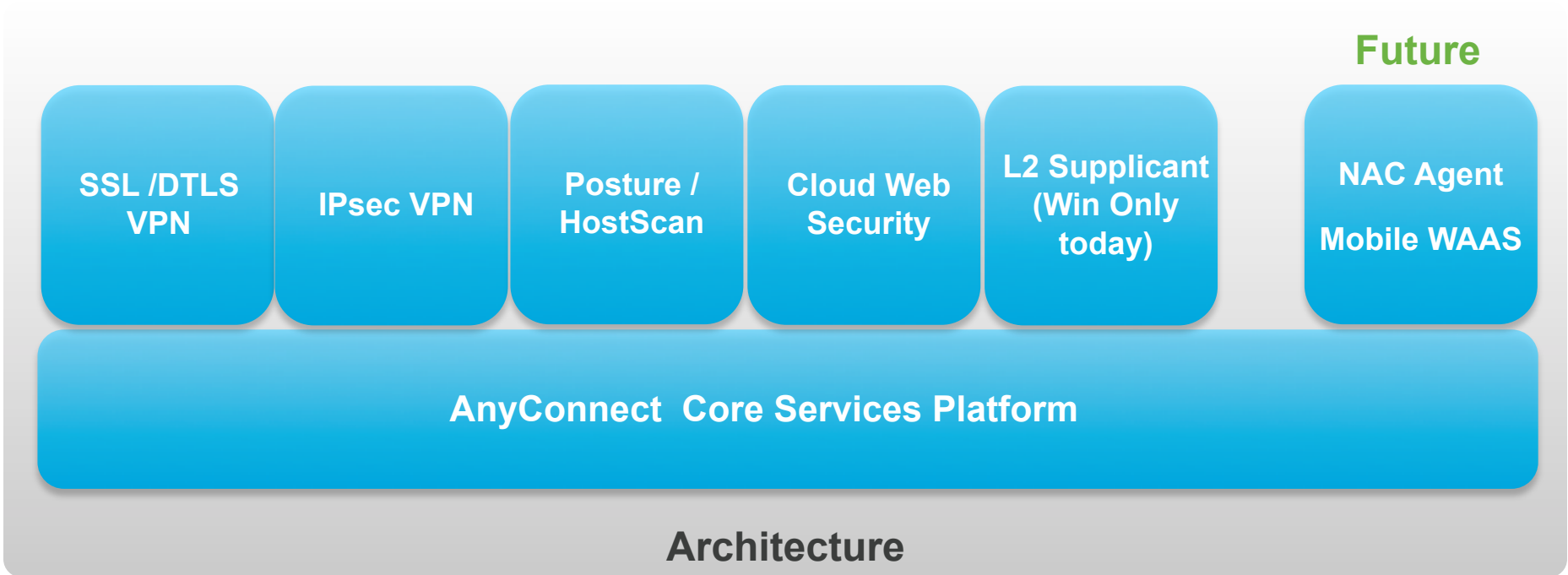
- Connect a mobile worker to the nearest VPN gateway as they travel
- Resume automatically from hibernation or changes in Internet media connection automatically
- SSO a user via SAML v2 into SaaS applications (w/WSA integration)
- Clientless remote access with pre-session posture checks and dynamic sandboxing
- Enable 802.1X auth and MACsec encryption on Win PC's

Lastest VPN Mobile Platform Support

- Apple iOS 4+
iPhone 3G/3GS/4, iPad, iTouch
- Cisco Cius
- Android (Samsung + Rooted)
Samsung Galaxy S II and Tab 7
(2.3.3+ except Sprint) and
Tab 8.9/10.1 (3.0+ w/ TouchWiz MR)
- Windows Mobile, HP webOS,
and Nokia Symbian Anna
- Windows, Mac, and Linux



AnyConnect Modularity




Integrated to Work with Cisco Better Together

Integrated with Cisco's Network & Cloud Infrastructure



BYOD Challenges

- 
- Non-corporate owned devices
 - Uncontrolled endpoint image
 - High focus on user experience
 - Risk of corporate data loss
 - New compliance requirements
 - More complex access policy
 - Increase on infrastructure load

Hard to Isolate to One IT Group?

It's a **wireless** infrastructure problem!

...so what about remote access?

It's a **security** problem!

...so what about network enforcement?

It's a **device management** problem!

...so what about policy, network enforcement?

It needs a **virtualization** solution!

...so what about offline, performance aspects?

It's a **remote access** problem!

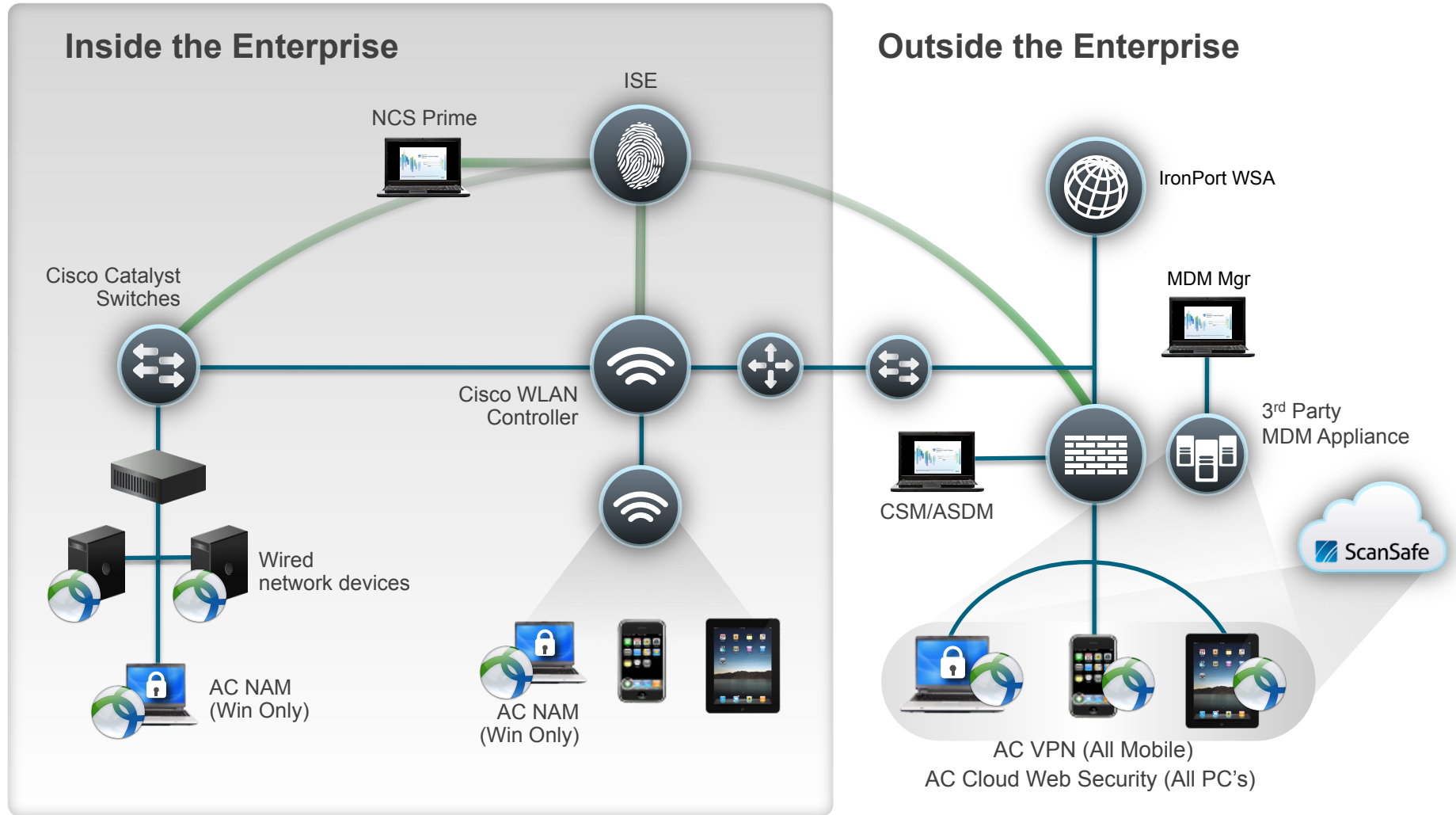
...so what about guests, device security, policy?

It is a **Network** problem!

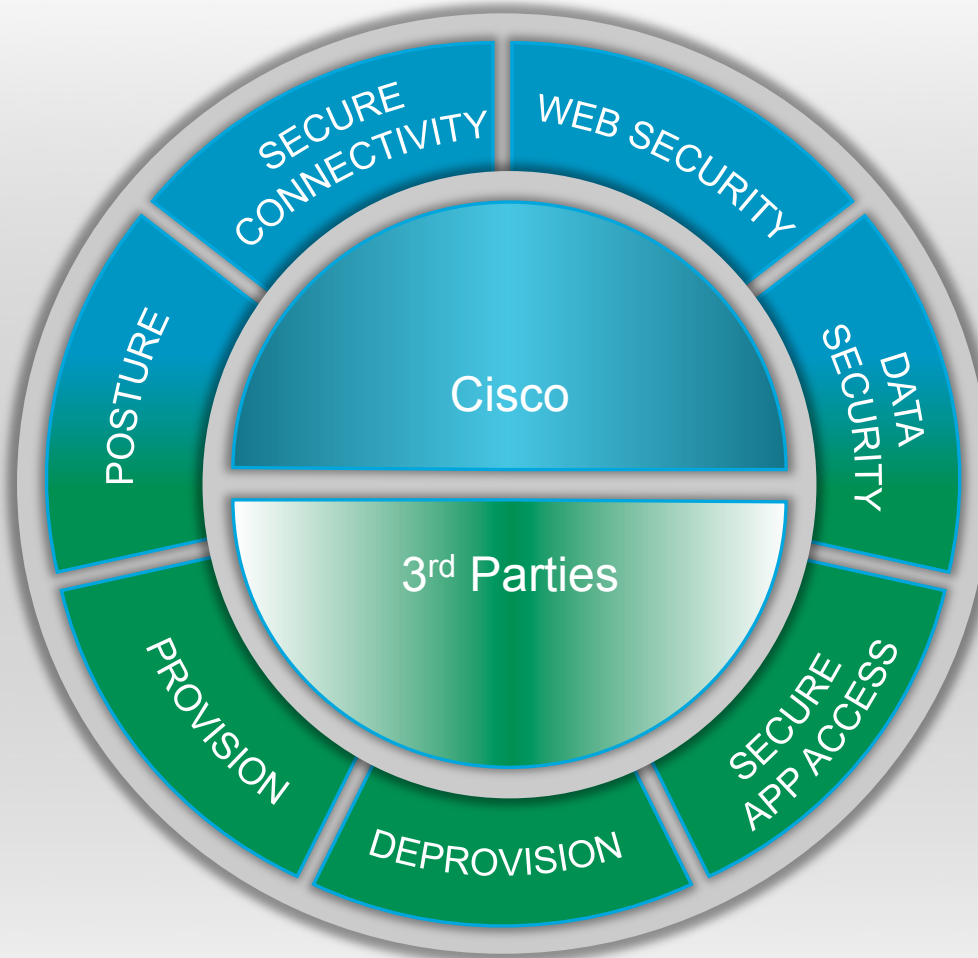
... So can the Network co-ordinate and interoperate ?

Cisco Secure Mobility

Key Component of Cisco's BYOD Strategy



Framework for Smartphone Safety



Cisco AnyConnect Secure Mobility

Simple, Powerful Access – Anywhere, Any Device

Unmanaged Devices, Risk of Data Loss, and Lack of Access



Secure Mobile Connectivity



- ✓ Acceptable Use
- ✓ Access Control
- ✓ Data Loss Prevention

Mobile Business Executive

Can Mobile Devices Access My Network Securely, Reliably and Seamlessly?

Thank you.

