



BYOD and Beyond

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Cisco BYOD Solution

- Why BYOD? An introduction
- BYOD Challenges
- The Cisco BYOD Solution
- BYOD Use Cases
- Summary

Why BYOD? An introduction

Driving an Ongoing Shift to BYOD

Device Diversity is here to stay



Benefits

- Cost savings
- Workers' Satisfaction
- Cutting-edge Technologies, latest features and capabilities

BYOD Challenges: User Wants



User Wants

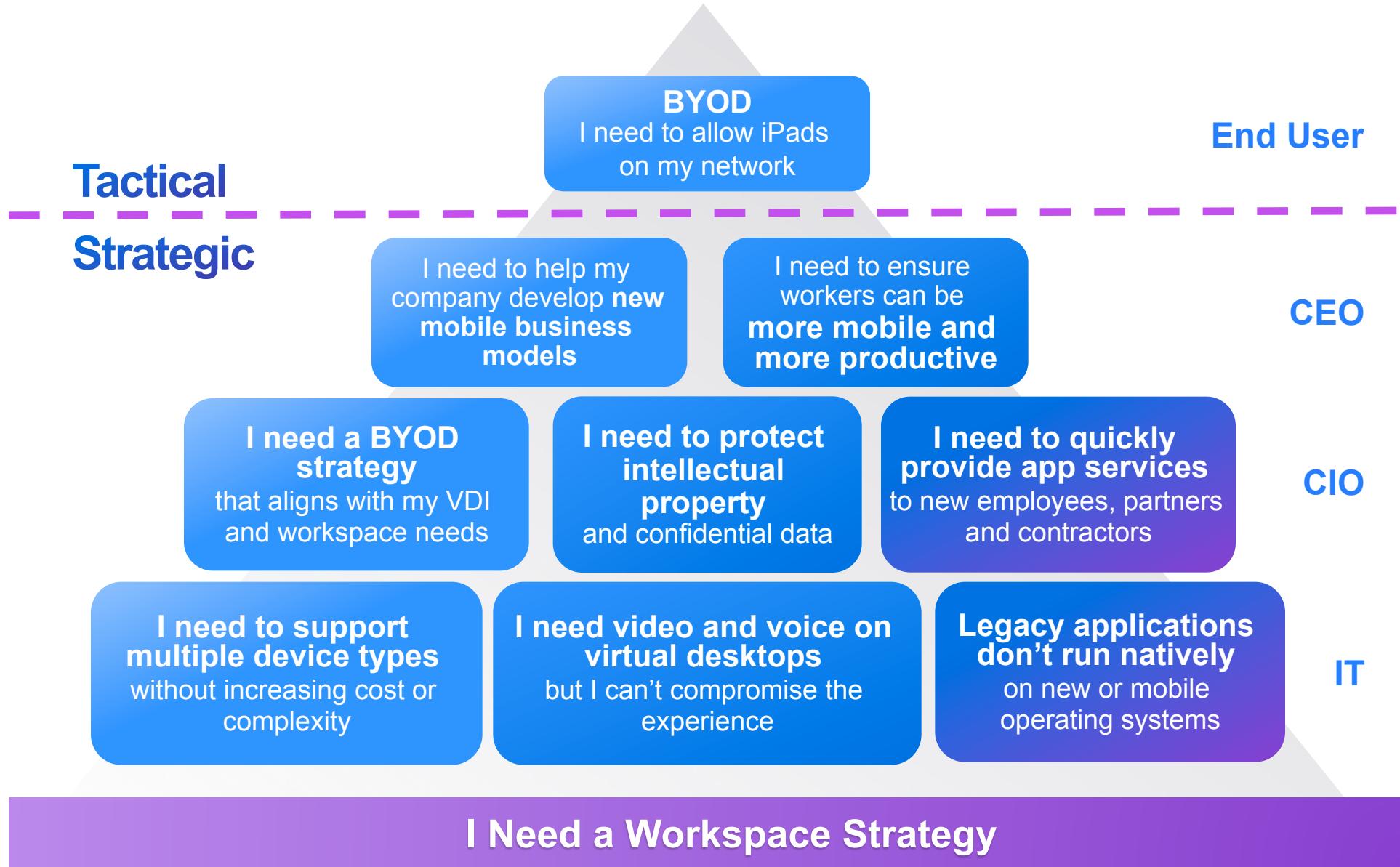
1. Consistent experience on multiple devices
2. Seamless transitions between devices
3. Separation of work and personal data
4. Keep up with tech and social trends

BYOD Challenges: IT Wants

1. Providing Device Choice and Support
2. On-Boarding of New Devices
3. Maintaining Secure Access to the Corporate Networks
4. Enforcing Company Usage Policies
5. Visibility of Devices on the Network
6. Protecting Data and Loss Prevention
7. Revoking Access
8. Potential for New Attack Vectors
9. Ensuring Wireless LAN Performance and Reliability
10. Managing the Increase in Connected Devices
11. Work and Personal Overlap



BYOD Is Just the Tip of the Iceberg



What If You Could Solve It All?

CEO Aspirations, CIO Imperatives and End-User Requirements



What if I could speed innovation by opening my network and collaborating with customers and partners...

While lowering IT cost and complexity?

What if I could let my employees have greater freedom and choice....

While protecting Intellectual Property?

What if I could let my team work their way...

Without compromising the way my business works?

We all know about the new workplace trends

OLD WAY

- Enterprise provided and managed user devices
- Work is a *place you go to*—limited off campus access
- IT visibility and control into user devices and applications
- Security lived on the IT managed endpoint



NEW WAY

- Anywhere, anytime, any device usage
- Work is a *function*—globally dispersed, mixed device ownership
- Change in IT control and management paradigm — granularity beyond device
- Security lives in the network to allow for BYOD



BYOD: A Company-Wide Project



Building Blocks of the Cisco BYOD Smart Solution

Cisco BYOD Smart Solution Building Blocks

Applications

Policy

Management

Unified Infrastructure

Security

The Cisco BYOD Smart Solution

Device management integrated into unified policy

Workspace Management

MDM

Seamless mobility and anywhere access for secure mobility

Secure Mobility

AnyConnect, ASA

Unified policy for secure access, detailed visibility and simplified ops

Policy Management Infrastructure

ISE

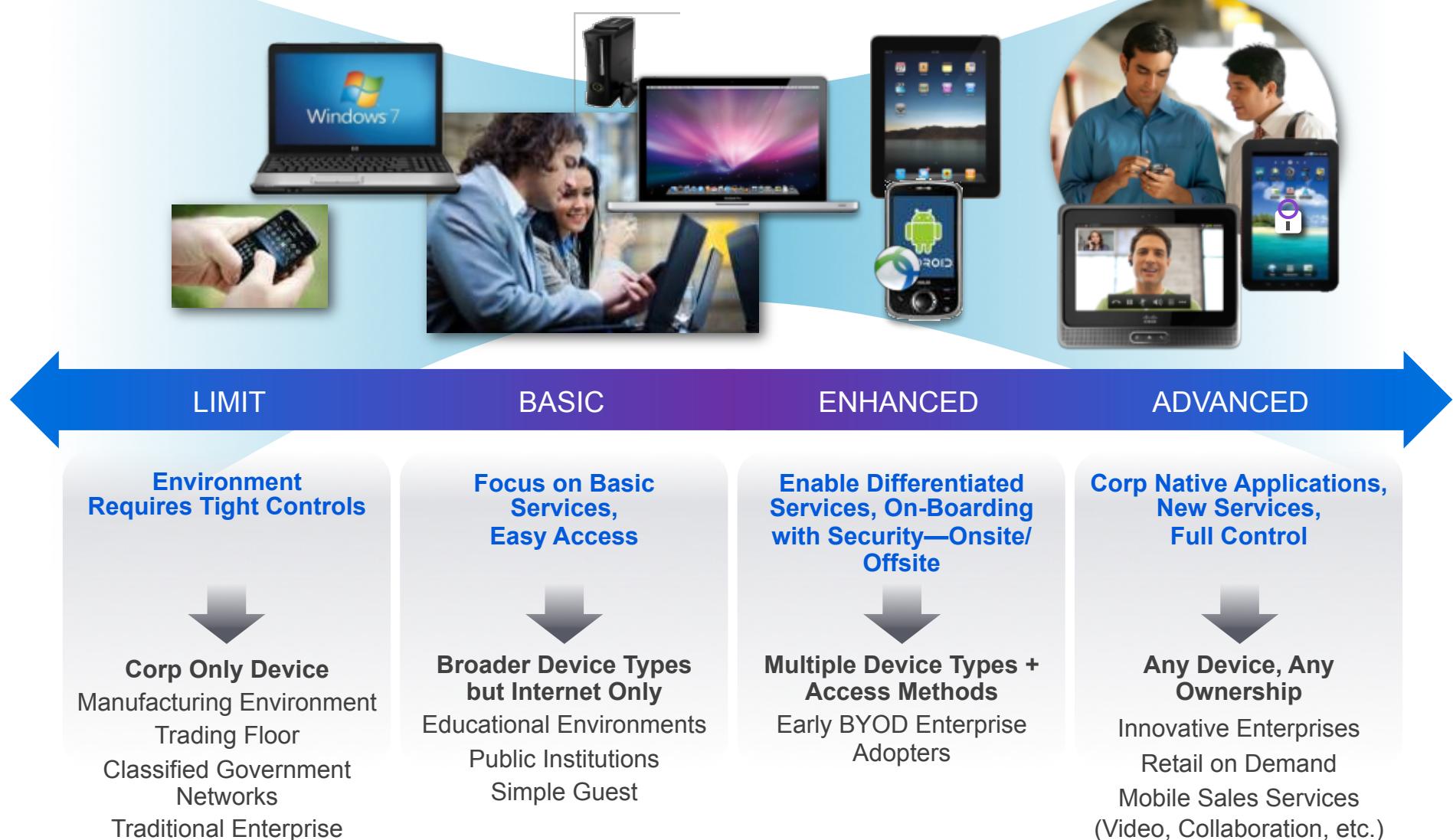
Mission critical wireless - best workspace delivery & leading scalability

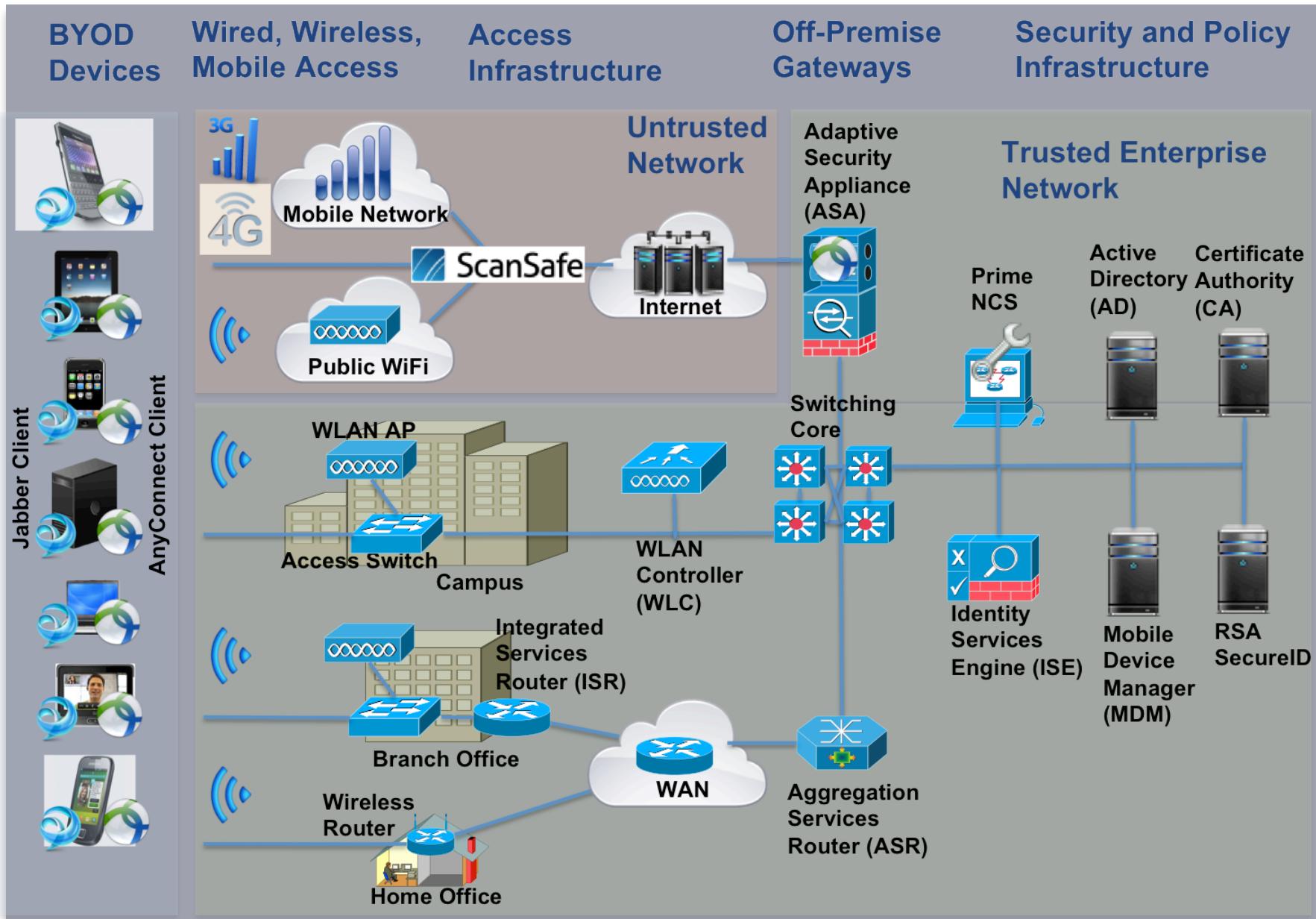
Core Infrastructure

BN—Unified Access Management—Prime

One network and one management for simplified operations and full visibility

The BYOD Spectrum





Cisco BYOD Use Case



Onboarding

- ✓ Authenticate User
- ✓ Fingerprint Device
- ✓ Apply Corporate Config
- ✓ Enterprise Apps
- ✓ Automatic Policies



Contextual Policy

Apply defined policy profiles based on:

- ✓ Device Type
- ✓ User
- ✓ Location
- ✓ Application



802.11n Wi-Fi



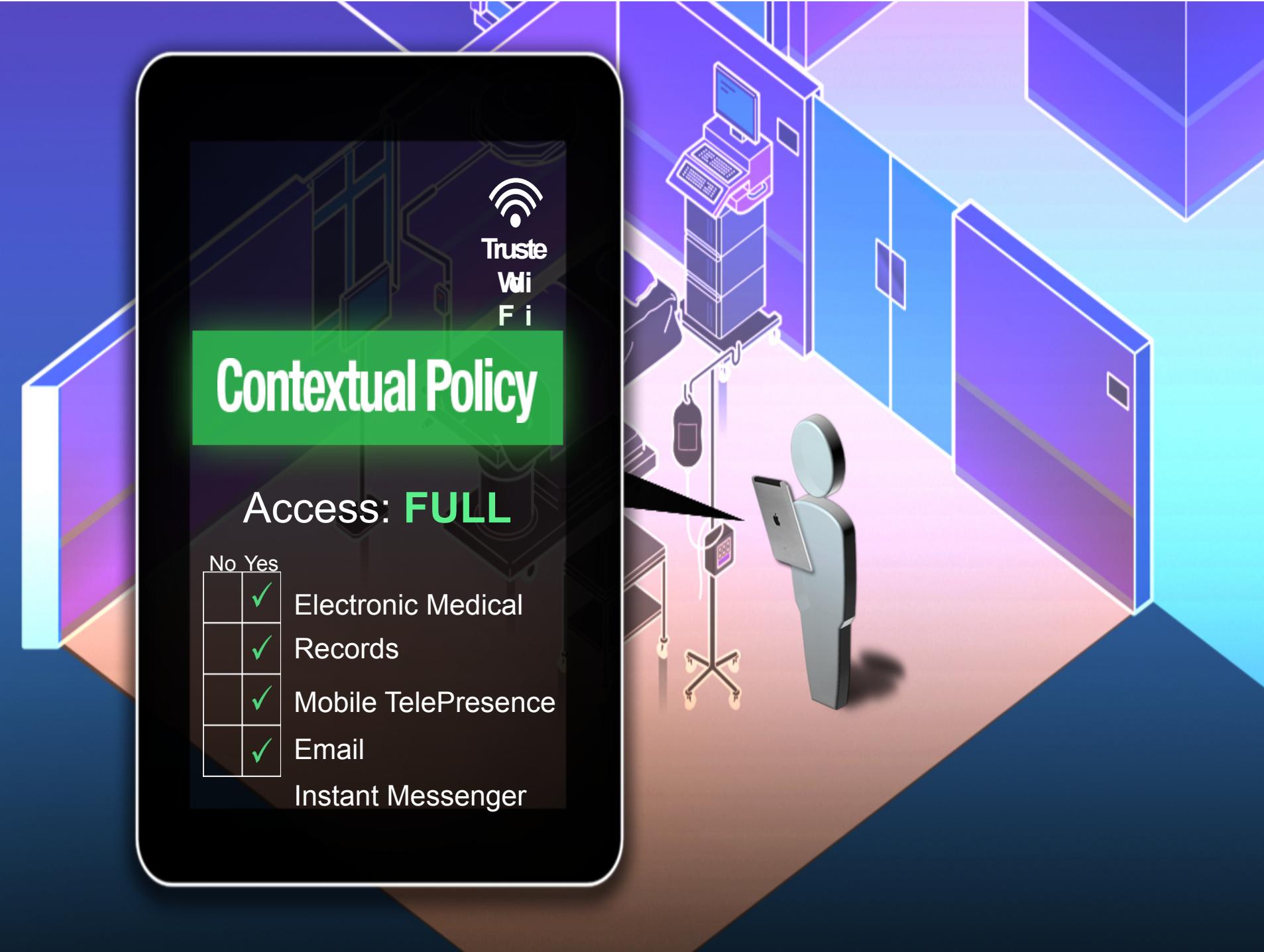
Identity-Based Access Control



Mobile Device Management



WAN Optimization Service Assurance



Contextual Policy

Access: **FULL**

No	Yes
	✓
	✓
	✓
	✓

- Electronic Medical Records
- Mobile TelePresence
- Email
- Instant Messenger

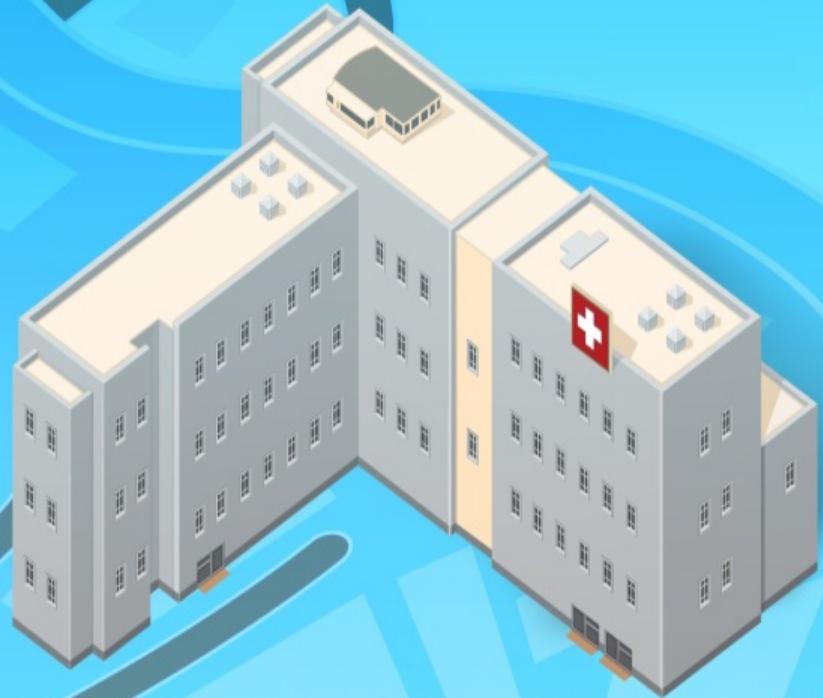
The image is a collage of three panels. The left panel shows a smartphone displaying a medical application interface with a brain scan image, patient demographic information, and a messaging window. The middle panel shows a 3D rendering of a hospital room with a patient bed, medical equipment, and a person holding a tablet. The right panel features three circular icons: one with a Wi-Fi signal, one with a fingerprint, and one with a briefcase, each next to its respective section title.

802.11n Wi-Fi

- Location
- Video Optimization
- Spectrum Intelligence
- Client Acceleration

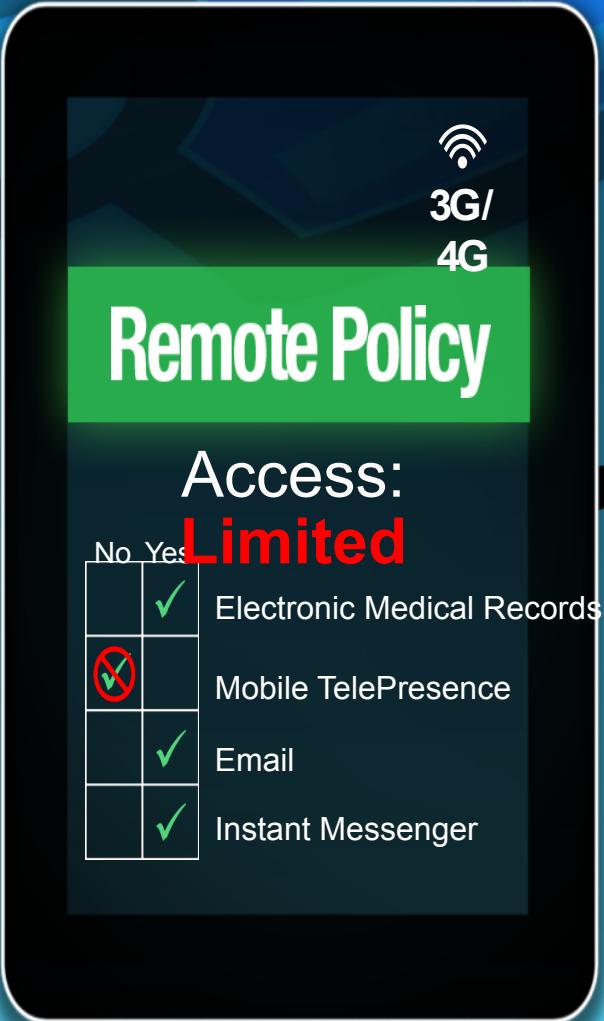
Identity-Based Access Control

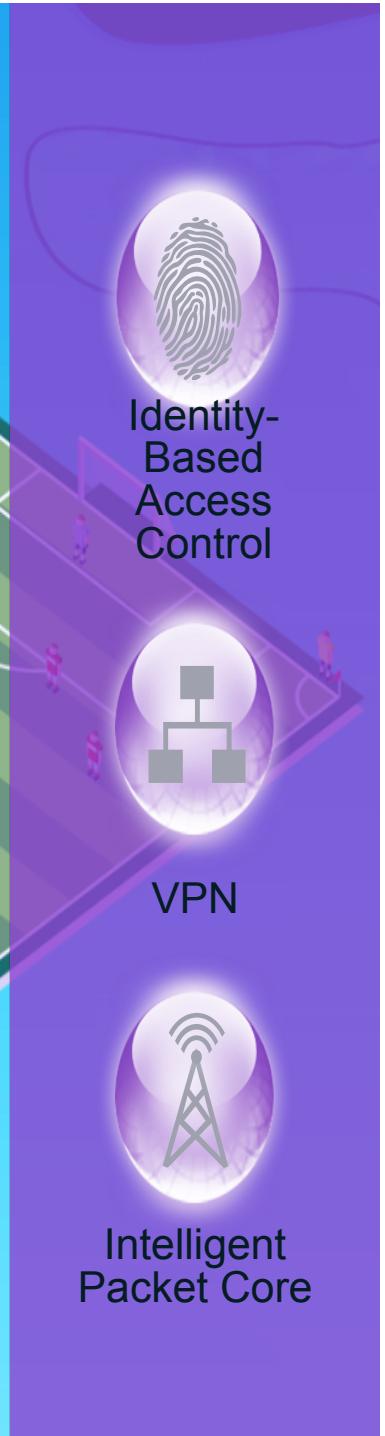
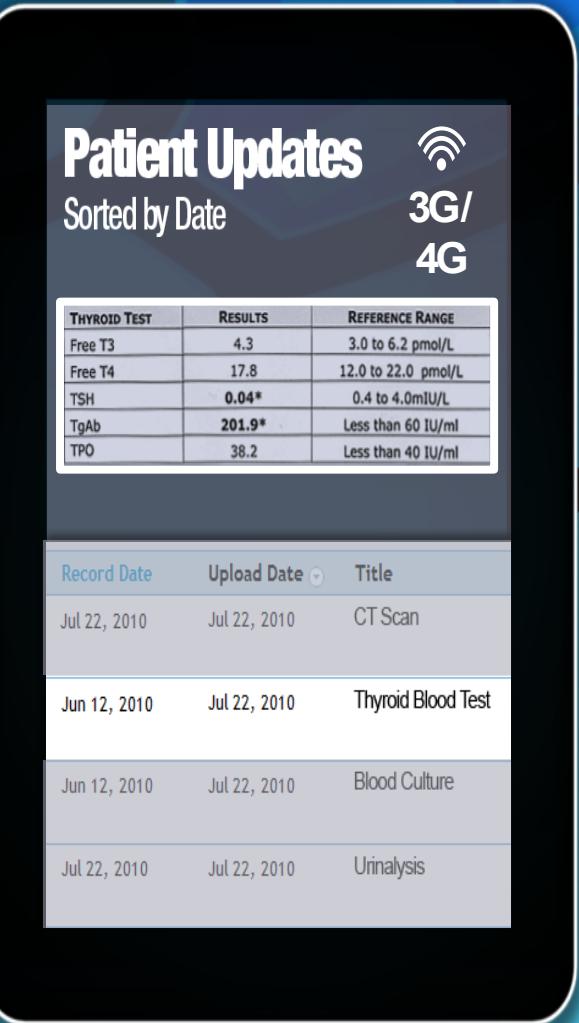
Mobile Device Management



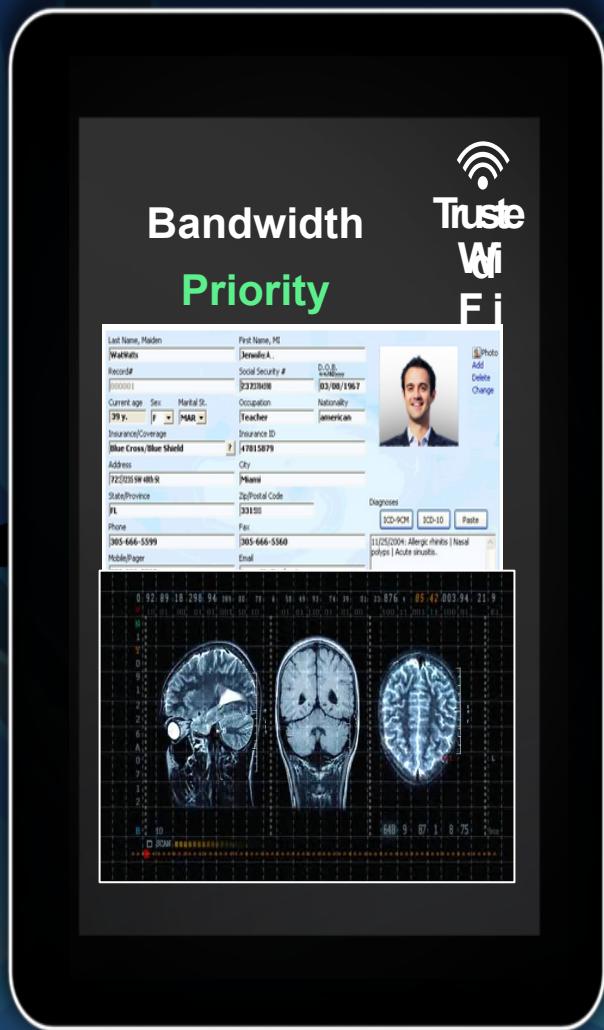












802.11n Wi-Fi



Full Service Home Router



Collaboration /UC

Healthcare
Retail
Insurance
Financial
Education

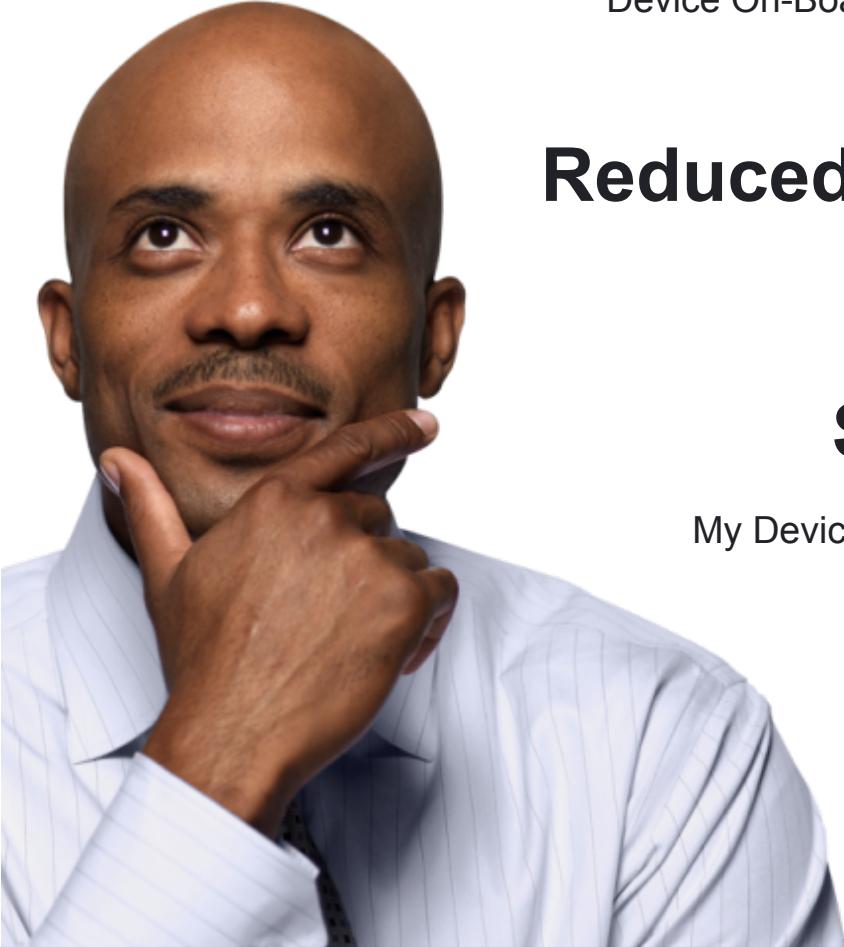


Summary

Summary

- BYOD impacts all areas of IT
- Workspace delivery to any device can be native, virtual, or hybrid
- BYOD implementation must address the entire “spectrum” of use cases in an organization





Reduced Burden on IT Staff

Device On-Boarding, Self Registration, Supplicant Provisioning

Reduced Burden on Help Desk Staff

Seamless Intuitive End-User Experience

Self Service Model

My Device Registration Portal, Guest Sponsorship Portal

Thank you.

