.1|1.1|1. CISCO

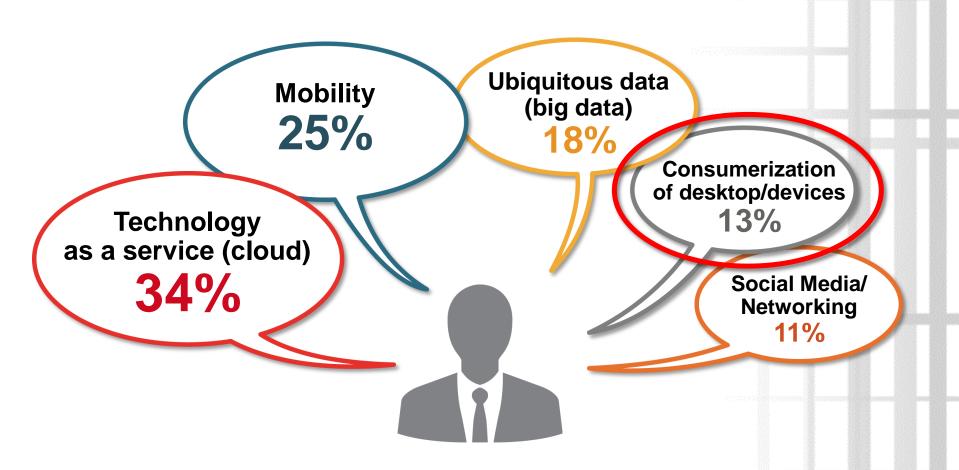
BYOD - Realita alebo ďalší mýtus v poradí...(?)



Roman Janovič, CCIE #6805 rjanovic@cisco.com Bratislava 17. Máj, 2012

Disruptive Technologies







Agenda

BYOD Drivers & Benefits

Architecture

Possible Implementations

Cisco Any Device

Summary

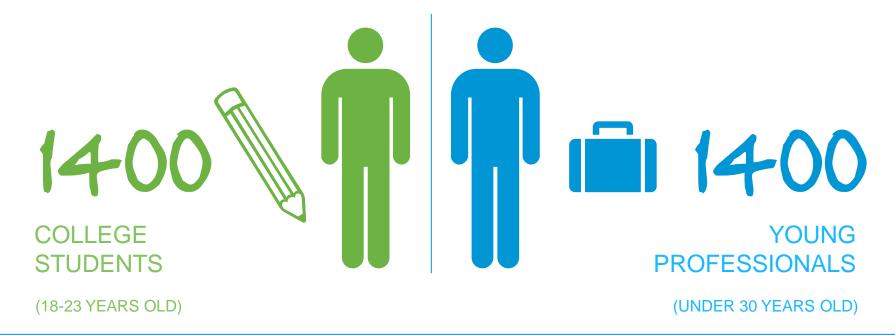


BYOD Drivers & Benefits



Cisco Connected World Report

THE SECOND ANNUAL CISCO CONNECTED WORLD TECHNOLOGY REPORT

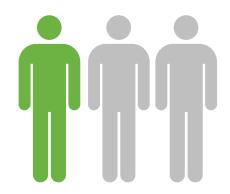


- The survey was translated into local languages and fielded in 14 countries to gain approximately 100 completes for each subgroup in each country
- Countries: United States, Canada Mexico, Brazil, United Kingdom, France, Spain, Germany, Italy, Russia, India, China, Japan, Australia

Food, Water, Shelter...or Internet?

1 in 3

COLLEGE STUDENTS AND YOUNG PROFESSIONALS



- ✓ Aiv
- ✓ Water
- √ Food
- √ Shelter
- ✓ Internet

CONSIDER INTERNET A FUNDAMENTAL HUMAN RESOURCE

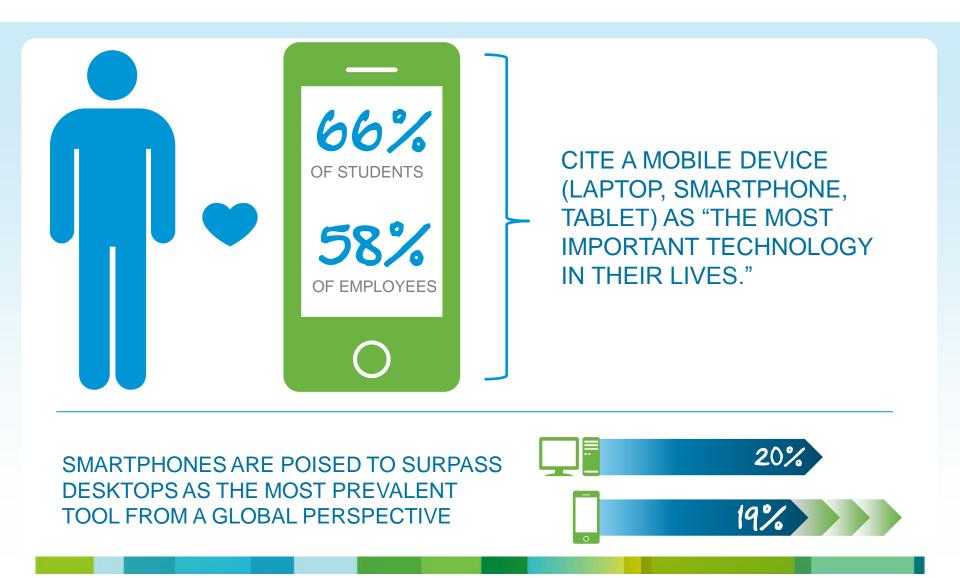
55% OF COLLEGE STUDENTS

AND

62 OF YOUNG EMPLOYEES

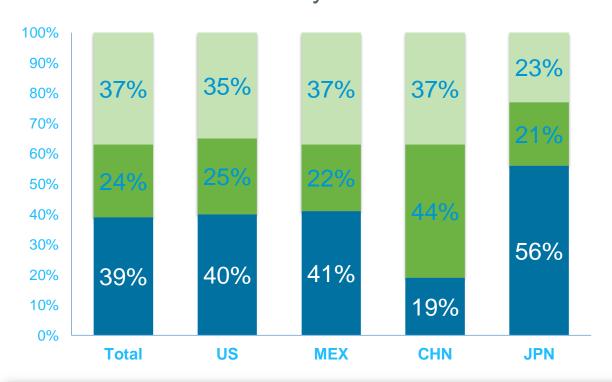
SAY THEY COULD NOT LIVE WITHOUT THE INTERNET

Mobile Devices as the "Most Important" Technology



Work is an Activity, No Longer a Place

Q: Do you feel you need to be physically "in the office" to work efficiently?







63% of employees globally believe they don't need to be in an office to be productive



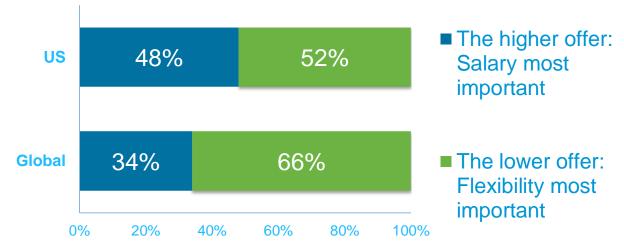
Employees Place Value on Mobility



Q. You received offers from two organizations that are equal in terms of opportunity and reputation...

Offer A: Higher salary, but no workplace flexibility

Offer B: Lower salary, with workplace flexibility



2/3 of employees globally place a higher value on workplace flexibility than salary



"Bring Your Own Device", BYOD







"More than 75% of corporation has a BYOD strategy in place today."

*Aberdeen Group

Spectrum of Customer Requirements

- ✓ Adoption Policy
- ✓ Device Ownership
- ✓ Support Model
- ✓ Support Level
- ✓ Data Security

Restrict, Limit, Allow, Embrace

Corp, Employee, Mix, Guests

IT managed, IT assisted, Self-supported

Production, Guest+, Guest, Best Effort

Written Policy, MDM, Virtual, Advanced





Limit

Basic

Enhanced

Advanced

"We can't tell people not to use this technology at work. If we did, they would continue to use it and we would be in the dark about what they do."



Brandon Edling
Director of Workplace
Technology, NBC Universal

How does BYOD get solved?



BYOD Architecture



The 4 Pillars of a Complete BYOD Solution







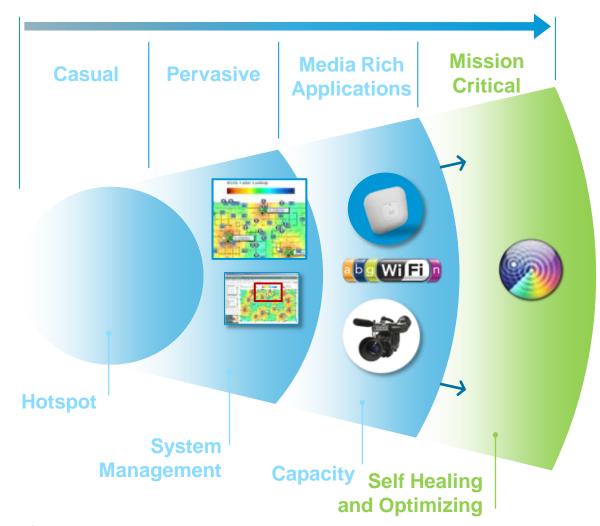


Central Management (Cisco NCS Prime)

Enterprise Wireless Evolution

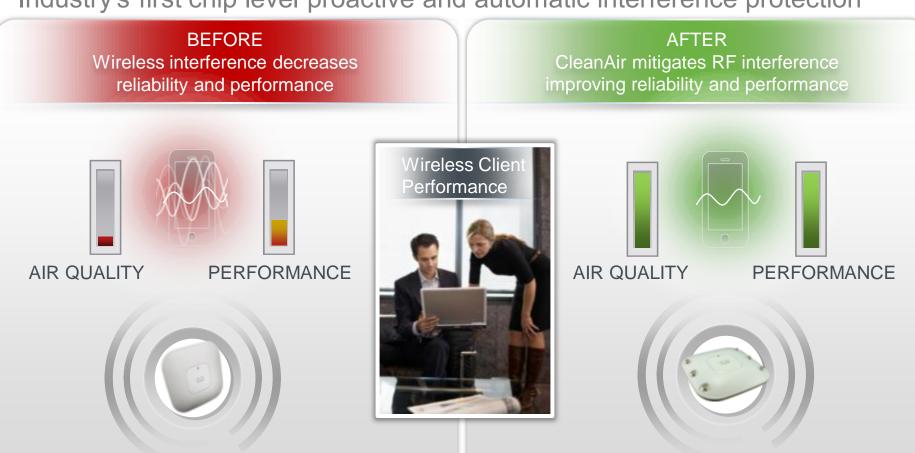


From best-effort to mission-critical – delivering a wired experience over wireless



Cisco CleanAir Technology

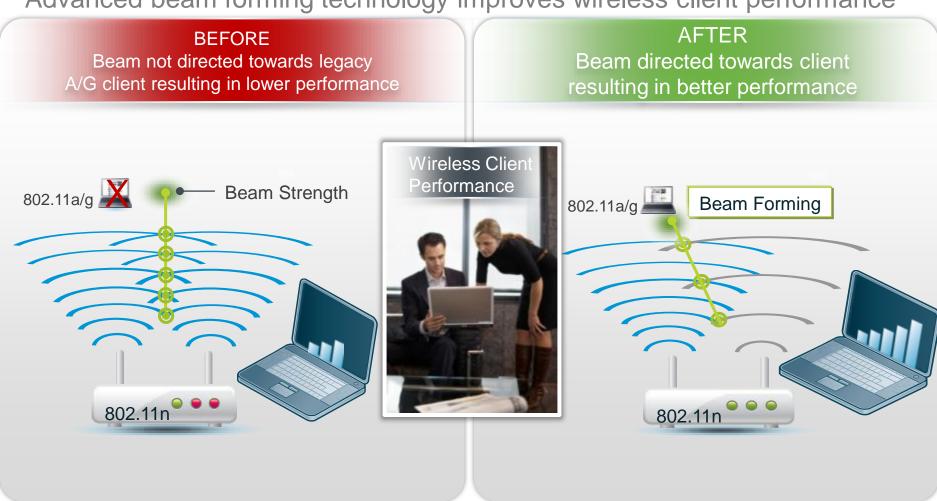
Industry's first chip level proactive and automatic interference protection



Cisco CleanAir - Improves Reliability and Performance

Cisco ClientLink Technology

Advanced beam forming technology improves wireless client performance



Cisco ClientLink - Improves Reliability and Performance

Why Is Cisco's ClientLink so Unique?

Reduces coverage holes and improves client performance



Cisco ClientLink = Up to 65% Improved Throughput

Cisco VideoStream Technology

Wired-like video delivery over wireless

BEFORE

No resource reservation, degraded voice and video, cannot deliver multicast

AFTER

Stream prioritization, resource reservation, reliable multicast over wireless



CEO Meeting M&A Negotiation Sports Event



CEO Meeting

M&A Negotiation Sports Event

Cisco VideoStream - Improves Reliability and Performance

Why Is Cisco's VideoStream so Unique?

We optimize end-to-end starting at the Access Point

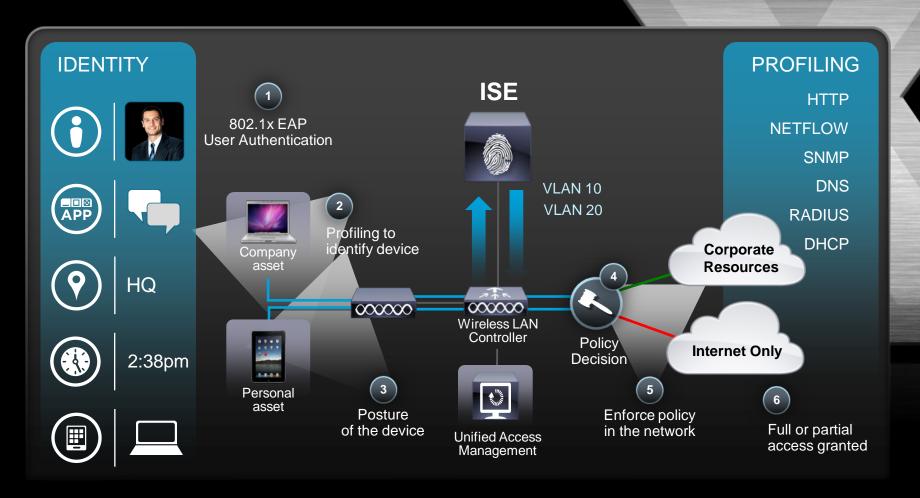


Tested for 30X Less Bandwidth Consumed and Double the Performance of Competitors

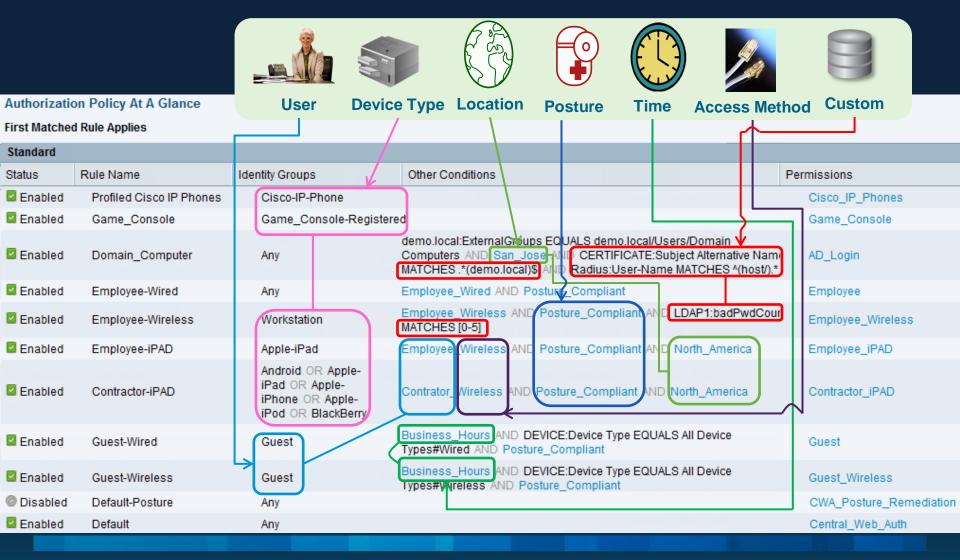


Policy: Who, What, Where, When, How?

Identity Services Engine (ISE) for Advanced Policy Management



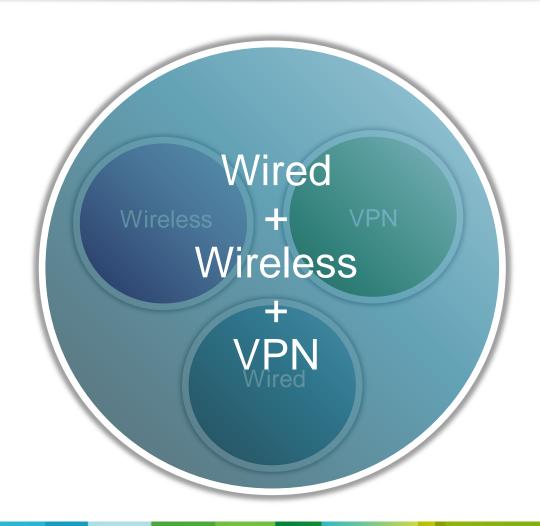
Tying it All Together ISE Authorization Policy Definition



Unified Network Access

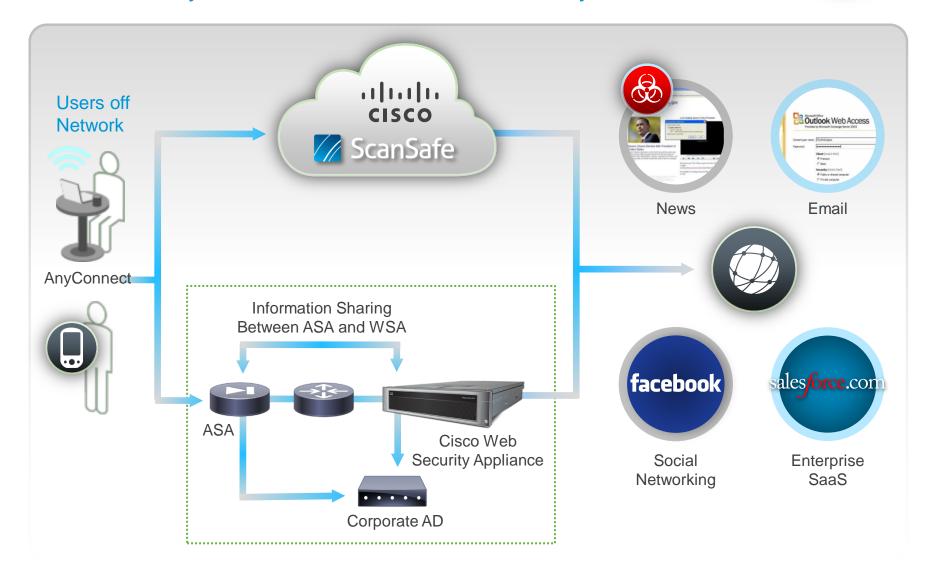


One Network, One Policy, One Management



Device Protection & Management Secure Mobility: Remote Access & Web Security







Device Management

MDM is a key element but there is more



MDM Partners

- **Device inventory**
- Device provisioning/ de-provisioning
- Device data security
- **Device application** security
- Cost management
- Full or selective device remote wipe



Cisco

- User/device authentication
- Posture assessment
- Policy enforcement
- Context aware access control



ISE

- Threat defense
- Web usage policy
- Web application DLP



ScanSafe



WSA



access

Secure remote

AnyConnect

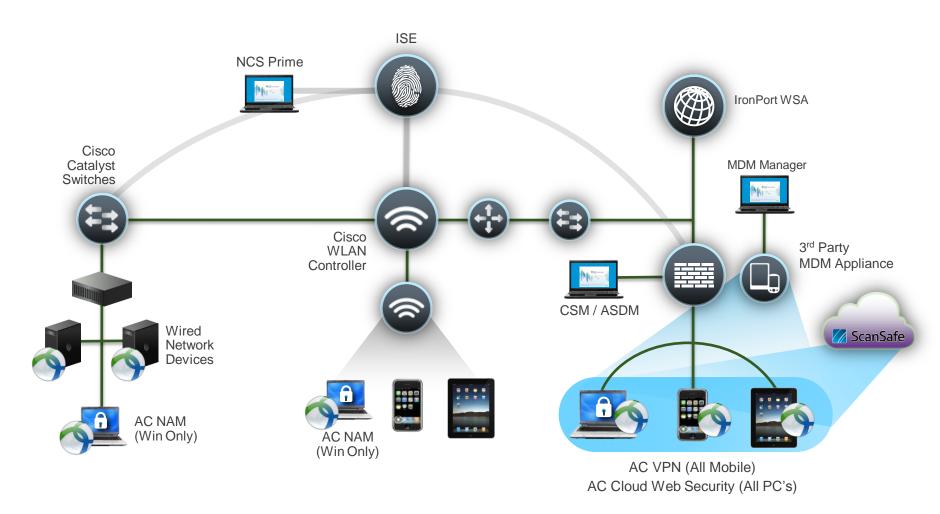


ASA



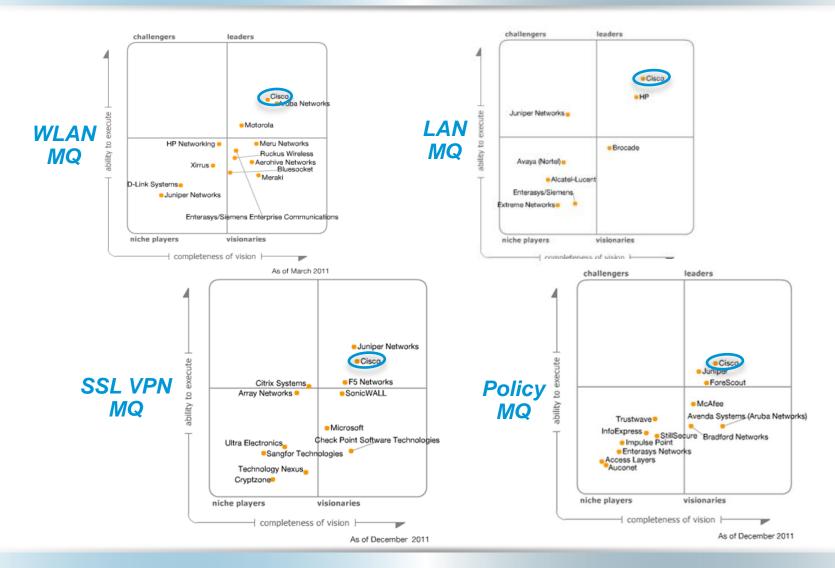
Cisco's End to End BYOD Solution

Only Cisco can tie all the pieces together!



Gartner Implicit View of BYOD Strategy Leader

Only Cisco is the Leader in Each of These Key Areas



Only Cisco is listed in all four leader quadrants critical to BYOD / Mobility

BYOD at Cisco

Cisco-on-Cisco Client Mix



Cisco-On-Cisco Realized Gains













Ďakujem za Vašu pozornosť

