Empowering Your Mobile Workforce With Freedom & Security
Agenda

- The Mobility Vision
- Business Case for Users on the Move
- Enterprise User in Motion Solution
- The Technology
- Summary
Connectivity Everywhere

The Experience

Productive

“Ensuring Application Access Anywhere you go”
Increasing Profits Through Productivity

The Cost Benefit

At Home:
Online:
www.cisco.com

At the Train Station:
Online:
www.cisco.com

Profitability

“Reduce Operating Expense with Prioritized System Monitoring and Passenger Access”
Cisco Enterprise Mobility Vision
Increasing Workday Productivity

Campus WLAN
Branch Mobility
Teleworker
Users on the Move
Networks in Motion

Nomadic Access
Motion Access
Agenda

• Cisco’s Enterprise Mobility Vision
• Business Case for Users on the Move
• Enterprise User in Motion Solution
• The Technology
• Summary
Business Case for Users on the Move

Example: Enterprise

- Employee salary (inc. benefits): $120,000/yr
- Airport, Hotel, Work/personal downtime per year = increase ~2% of the employee’s available time
- Annual ROI: $120,000 x 2% = $2,400/yr per employee
- Add the commuter...25% additional employee time (> $30,000) not before available
- What is the value of a more effective work force?
Can you keep your mobile employees connected to the network when they are on the move?
Agenda

- Cisco’s Enterprise Mobility Vision
- Business Case for Users on the Move
- Enterprise User in Motion Solution
- The Technology
- Summary
Access Wherever You Go

Corp HQ

At Home:
Online:
www.cisco.com

At the Hotel:
Online:
www.cisco.com

At a Hot Spot:
Online:
www.cisco.com

At a Coffee Shop:
Online:
www.cisco.com

At an Airport:
Online:
www.cisco.com

Cellular
1xRTT/GPRS

On the Road:
Online:
www.cisco.com

On Train:
Online:
www.cisco.com

At the Train Station:
Online:
www.cisco.com

Online:
www.cisco.com
Next Generation is Here

Enterprise Class Teleworker

- Broadband enables office applications
- Site-to-Site “always on” VPN connection
- QoS for application and bandwidth management
- Advanced security extends corporate LAN to home office
- Support full range of converged desktop applications, including voice, video, and real-time collaboration tools
- Teleworkers have same services at Home as in the office
User Access – Hotel

- WiFi or Wireless Access
- Client Side IPSec/SSL VPN
- Soft IP Telephone
User Access – Hot Spot

- WiFi access to any hot spot (inc. airports)
- Client Side SSL/IPSec VPN
- Soft IP Telephone

Corp HQ

IP WAN

Coffee Shop
User Access – In Motion

- Cellular or WLAN Mesh Access
- Client Side SSL/IPSec VPN Client
- User productivity continues even in motion
User Access – PDA

- WiFi or Cellular Access
- SSL VPN Client
Agenda

- Cisco’s Enterprise Mobility Vision
- Business Case for Users on the Move
- Enterprise User in Motion Solution
- The Technology
- Summary
Users on the Move – General Design

- Common network elements
- Leverage existing infrastructure
Secure Connectivity Everywhere
Extending the Self-Defending Network

Client-based SSL or IPsec VPN

Mobile Workers
Easy access to corporate network resources

Clientless SSL VPN

Clientless SSL VPN

Public Internet

Partners / Consultants
Controlled access to specific resources and applications

Client-based SSL or IPsec VPN

Roamers
Seamless access to applications from unmanaged endpoints

Day Extenders / Home Office
Day extenders and mobile employees require consistent LAN-like, full-network access, to corporate resources and applications
SSL Clientless Portal
Enhanced clientless interface, highly customizable

Customizable Banner Graphic
Customizable Access Methods
Customizable Links, Network Resource Access
Customizable Colors and Sections
Customizable Banner Message
IPSec or SSL/VPN Tunneling

- Extends the in-office experience
- Full Application Support
- Wide Platform Support
  - Windows, Mac OS, Linux Intel, Windows Mobile
- No-hassle Connections
  - No reboots required
  - Stand-alone, Web Launch, Portal Connection
  - Start Before Login (2K/XP)
  - MSI – Windows Pre-installation package
Enterprise Class Teleworker

**Business VLAN**
- Secure access to both Home and Internet VLANs
- Power Over Ethernet for IP Phones and WiFi Access Points

**Internet VLAN**
- DHCP and Dynamic DNS services
- PPPoE support
- Backup ISP support (Security Plus)

**Home VLAN**
- Secure access for a wide range of applications through the Internet VLAN
- DHCP Server Services
Wireless Mesh Access to Vehicle Network

- Cisco 1520 Mesh AP
  - 2.4 GHz Access
  - 4.9 GHz Access
  - 5GHz Access

- 5GHz Backhaul

- Cisco 3200 Mobile Router
  - 2.4, 4.9, or 5GHz Vehicle Access Point

- 3G Cellular Network
IP Telephony – IP Communications

- Standards-based communications for voice, video, data, and collaboration
- Significant return on investment:
  - Productivity
  - Resiliency
  - Collaboration
  - Mobility
- Comprehensive applications
- Cisco services and support
Agenda

- Cisco’s Enterprise Mobility Vision
- Business Case for Users on the Move
- Enterprise User in Motion Solution
- The Technology
- Summary
Summary

- **Productivity** follows the employee
- Secure network access
- Standards based products (IPSec, IP Telephony)
- Leverage existing infrastructure