Delivering a Secure BYOD Solution with XenMobile MDM and Cisco ISE

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Complete Enterprise Mobility Management

Smartphones
Tablets
PCs and Macs

App Management

Business Apps

Productivity and Collaboration

Secure Mail

Data Management

Device Management
Today: The Industry’s Most Comprehensive, “Best of Suite” Mobile Portfolio

Any app, any device, anywhere
Secure and manage my devices

“…need to manage personal and corporate devices alongside each other”

“My users are bringing in all types of devices...I need to set PIN codes, WiFi, etc..”

“…issuing shared tablets to shift workers in hospital/retail stores/restaurants/dist centers…”

“Want to give device choice...but what do I do if devices are lost or stolen?”
Enterprise-grade MDM:
• Manage & configure corporate and BYO devices
• Detect jailbreak, blacklist/whitelist apps
• Full/selective device wipe

Easy to setup:
• Fully wizard-driven

Extensible:
• Enterprise integration (e.g.: LDAP and PKI)
• Integration with Network Policy Engines
BYOD Smart Solution
Built on Unified Access Foundation

Workspace Productivity Apps
- Webex
- Jabber

Workspace Management
- MDM

Secure Mobility
- Firewall
- AnyConnect

Policy Management
- ISE

Core Infrastructure
- Switching
- Wireless
- Prime Mgmt

Unified Access
One Network, One Policy, One Management

Cisco Validated Design Scope

Other Smart Solutions (ex. VXI)
Corporate Issued Device
1. User Authentication and Authorization
2. Profiling to identify device
3. Policy decision
4. Policy enforce to “VLAN 10” on same SSID
5. Full access granted
6. Full device visibility

PERSONAL Device
1. User Authentication and Authorization
2. Profiling to identify device
3. Policy decision
4. Policy enforce to “VLAN 10 or 20” on same SSID
5. Full or Restricted access granted
6. Full device visibility
XenMobile MDM with Cisco ISE

1. Device tries to access network
2. ISE checks device with MDM
3. MDM returns registration status
4. ISE checks device status
5. MDM returns device status

ISE checks device registration with MDM, and MDM returns the registration status. ISE checks the device status, and MDM returns the device status.
Cisco ISE + XenMobile MDM = Mobility Control

**NETWORK CONTROL (ISE)**
- Classification/Profiling
- Mobile + PC Secure Network Access (Wireless, Wired, VPN)
- Context-Aware Access Control (Role, Location, etc.)

**FULL MOBILITY MANAGEMENT (MDM)**
- Enterprise Software Distribution Management (Backup, Remote Wipe, etc.)
- Secure Data Containers
- Policy Compliance Detection (Jailbreak, Pin Lock, etc.)
- Inventory Management

**Compliance Enforcement**
- Registration
- Cert + Supplicant Provisioning

**User Managed Device**
Network-Based IT Control

**User/IT Co-Managed Device**
Device and Network-Based IT Control
Key Takeaways

• Leverage joint BYOD solutions from Cisco and Citrix to enable your enterprise mobility needs.

• Solution Details
  ◦ XenMobile MDM integration with Cisco ISE is supported with Cisco ISE 1.2 and XenMobile MDM 7.1 versions.
  ◦ Next Cisco BYOD CVD will provide tested implementation details on the joint solution.

• More information
  ◦ **SYN6309**: Best Practices for deploying end-to-end enterprise mobility management
    • Thursday @9:00 AM
Work better. Live better.