



H3C

Simple, Scalable, Secure Complete BYOD Solution

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Challenges of supporting BYOD

Various types of devices

- Too many devices, too many operating systems
- Dropped connections, slow access

Security & management

- Validating & on-boarding legitimate devices
- Health check & compliance

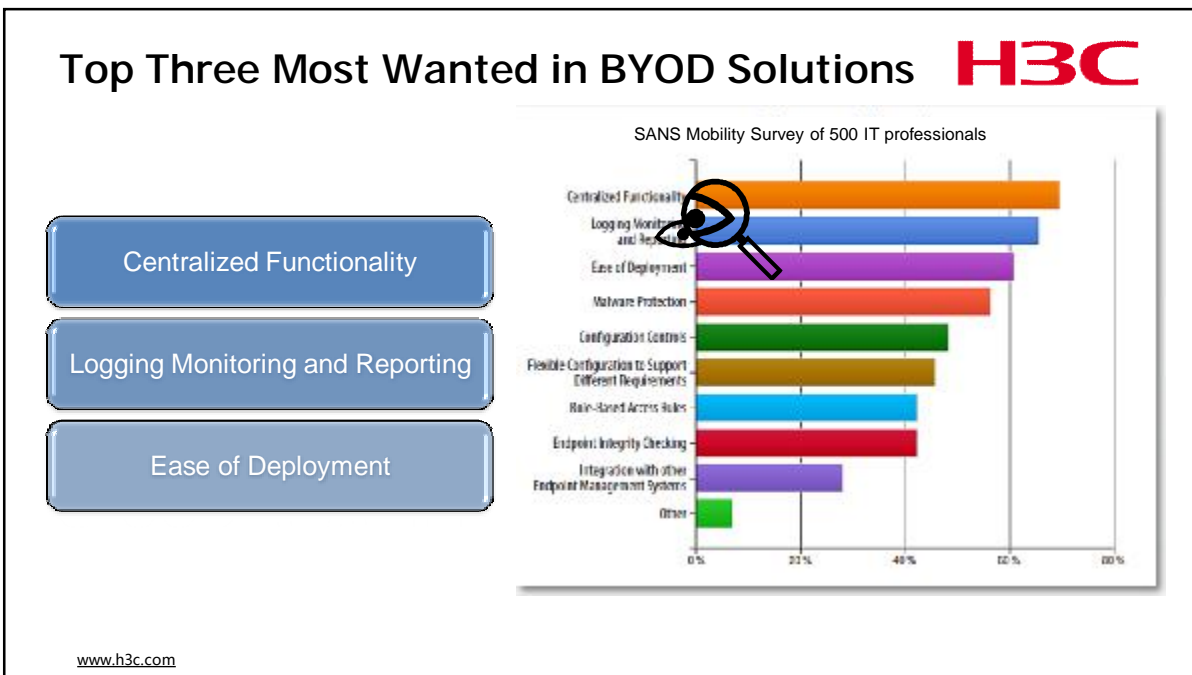
User experience

- Lack of visibility into user behaviors, access, & usage



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Unified BYOD Essentials **H3C**

Identity-Aware Access

- User credential AND device based identity
- Simple and secure on boarding process
- AAA support for compliance

Unified Network Support

- Seamless wired and wireless policy
- Increased wireless client density support
- Higher wired aggregation bandwidth

Application Monitor and Control

- Device level application visibility and reporting
- Ability to push/block/remove applications
- Enhanced security for sensitive applications

BYOD Solution need to be easy to deploy with centralized management and visibility

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H3C BYOD Solution – Simple, Scalable, Secure



Combined Infrastructure and Access Management for BYOD, Wired and Wireless



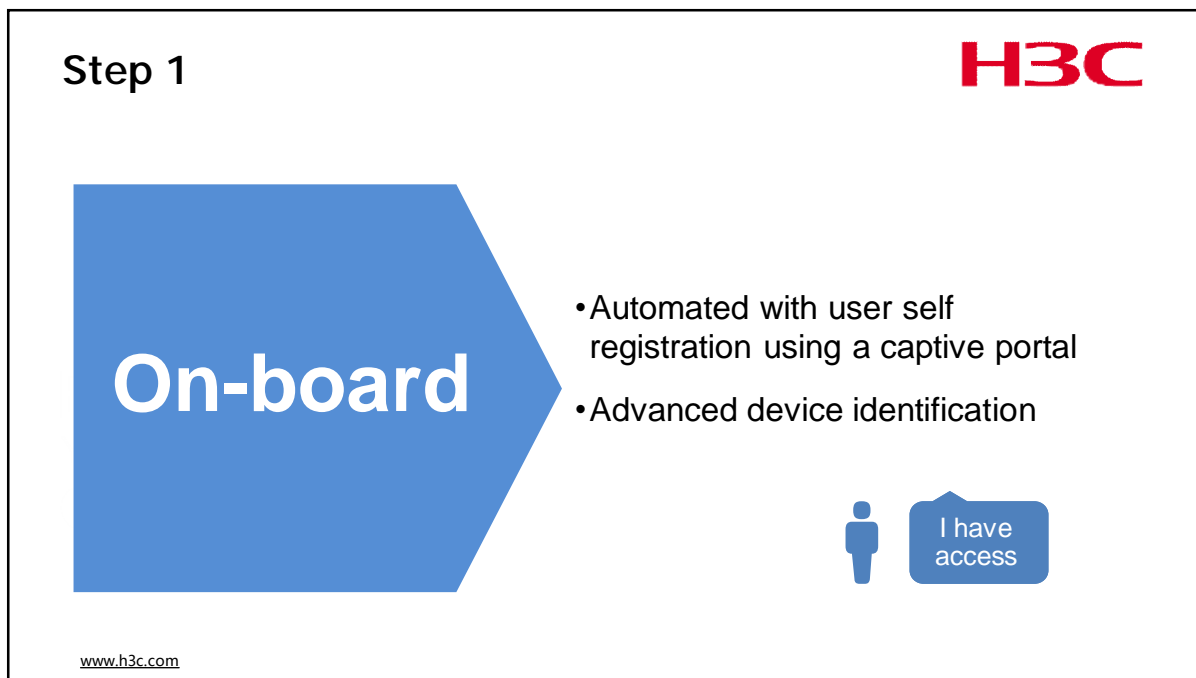
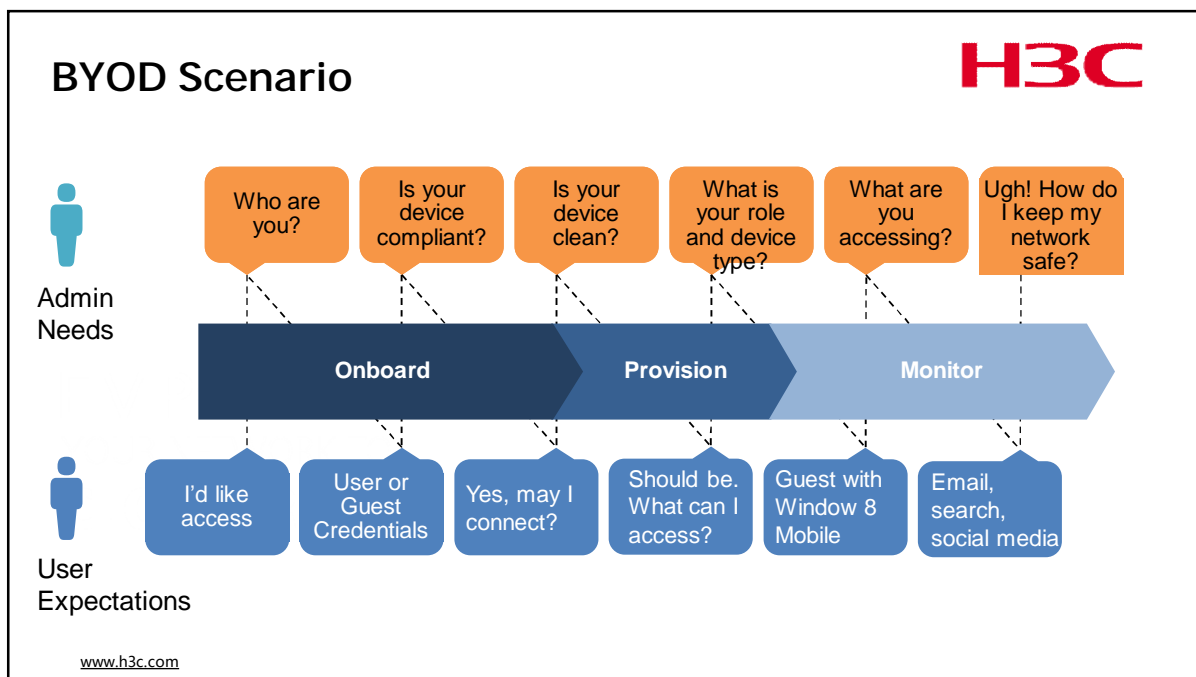
- Simple – Key components : AC, AP, iMC. Clientless
- Scalable –
 - AC supports > 8K Access Points
 - iMC supports > 100K Devices
- Secure –
 - identify the real device type via MAC OUI, DHCP option, user agent
 - Real-time monitoring

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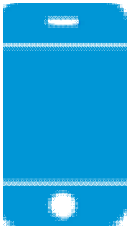

BYOD Key Features



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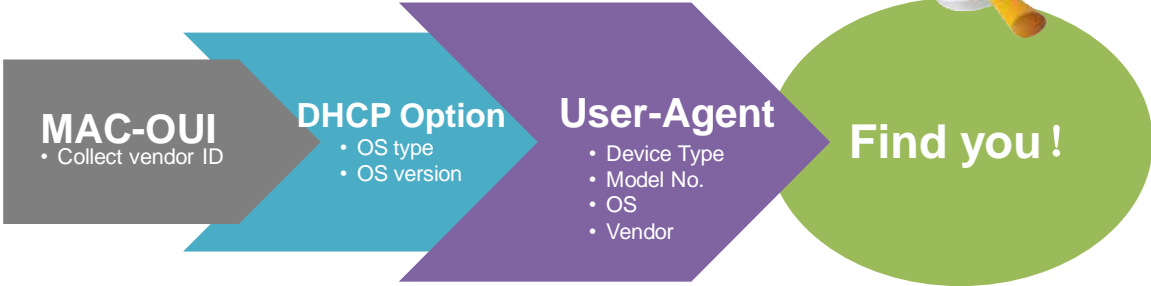


Authentication



Users

Devices

Fingerprint

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Device Identification

MAC-OUI
• Collect vendor ID

DHCP Option
• OS type
• OS version


User-Agent
• Device Type
• Model No.
• OS
• Vendor

Find you !

- Best - DHCP OPTION 55
- Consolidated MAC-OUI , DHCP OTION 60 & HTTP user-agent
- Lowest - HTTP user-agent (can be edited by client tool)


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Step 2 **H3C**



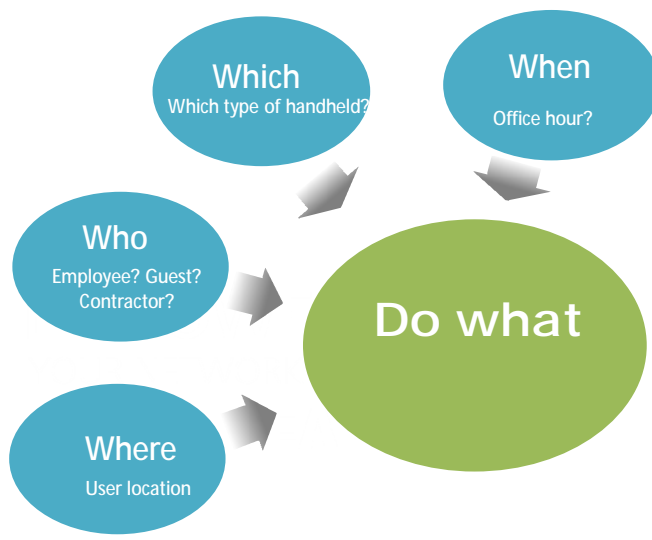
Provision

- Multi-vendor unified wired and wireless enforcement
- Apply consistent user policies



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H3C BYOD Application Scenario **H3C**



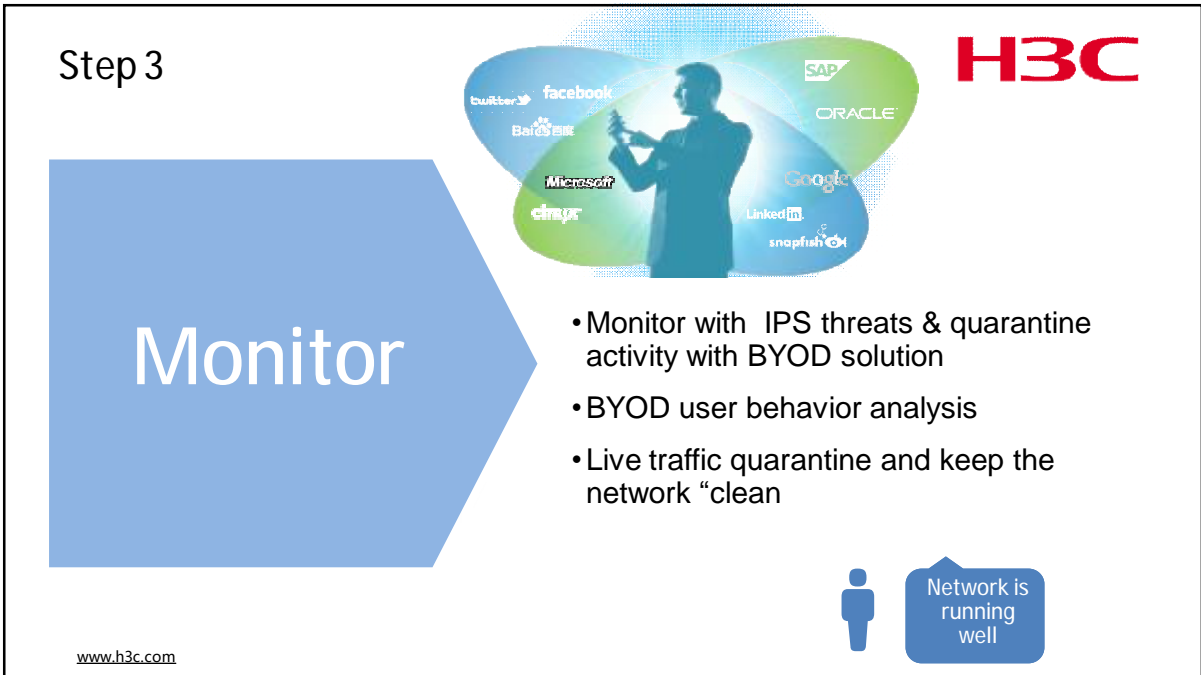
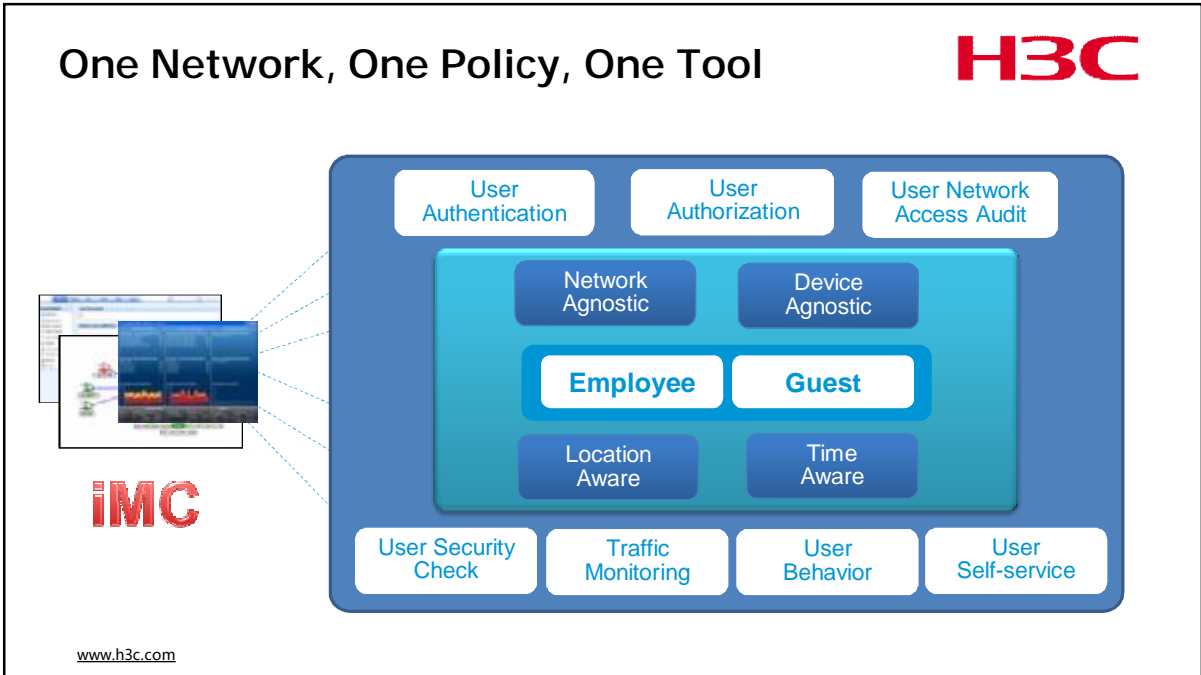
Do what

Scenario #1
Ben has a company mobile,
access right:
• email, Intranet, file server

Scenario #2
Ben is on business trip at Hangzhou office
Access right:
• email, Intranet

Scenario #3
Ben is at Beijing Airport,
Access right:
• webmail only

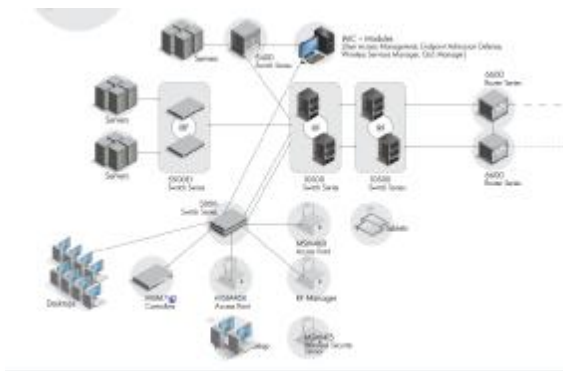
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H3C BYOD Solution



BYOD Ready Wired and Wireless Infrastructure



Next Generation Core for Campus

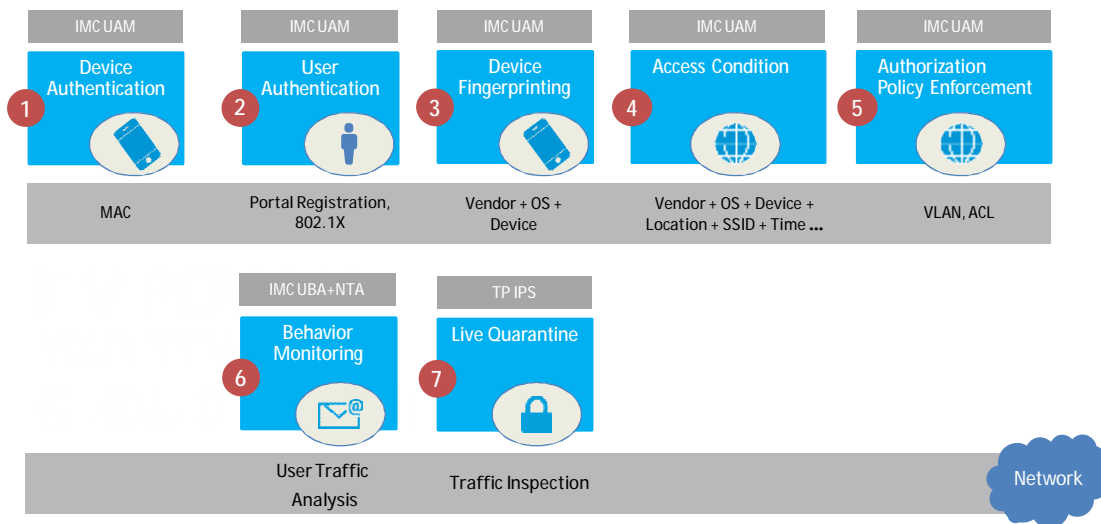
- Leading CLOS architecture
- Greater than 11 terabit-per-second capacity
- Full Layer 3 features and IPv6/MPLS functionality
- HP IRF for simpler, flatter, more agile networks
- Ultra-high 10GbE/Gigabit density; 40/100GbE ready

Leading Wireless Solution

- Deliver near gigabit-speed connect rates to Wi-Fi client
- Offer superior range, density and coverage
- Industry First three-spatial stream 802.11n dual-radio AP
- CRN 2011 Tech-Innovation Award winner

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What elements shall be included



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Management application

- Integrated wired and wireless management
- 24x7 wireless monitoring and protection
- EAD wireless access
- Roving user behavior management
- H3C 11n WLAN adapter

Controller

- WX3010E/3024E
- WX5004
- WX6103
- WX6100E
- Latest generation of core wireless routing switch
- S5800 module
- S7500E/S9500E modules
- RF optimization service engine

Access Point

- 802.11a/b/g indoor AP
- 802.11n 300M indoor AP
- 802.11n 450M indoor WLAN AP
- 802.11ac 1G indoor WLAN AP
- Indoor distributed high gain models
- WA2200 series
- WA2600 i/E series
- WA2612-AGN
- WA2110-GN
- WA3600i series
- WA4600i series
- WA1208E-GP (Single channel)
- WA1208E-GN (Dual channel)

AP/WMAN

- WA2220X-AGP/AGE Outdoor high gain WLAN AP
- H3C WA2600x Series 802.11n Outdoor high gain WLAN AP
- WB2360X-ANP802.11n outdoor High gain enhanced WLAN bridge
- WB524 Wireless bridge/CPE

Bring Your Own Device
 Simple
 Scalable
 Secure

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