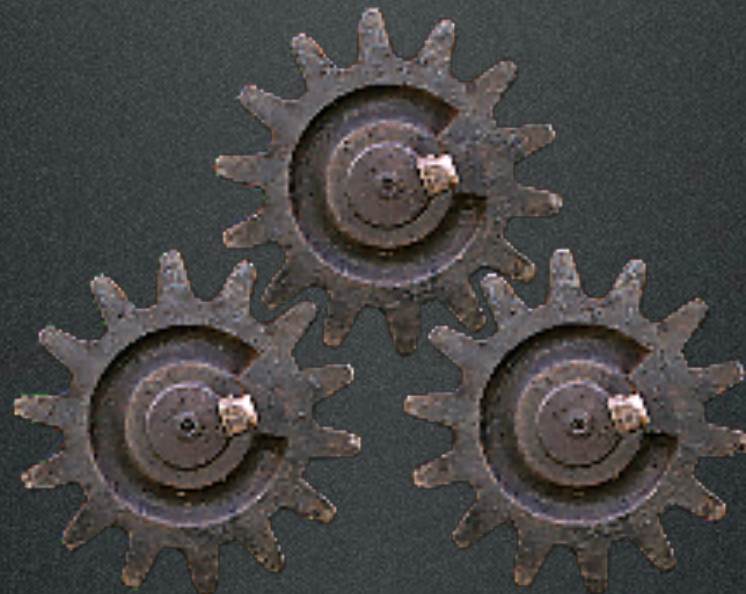


Business Technologies: Mobility, Virtualization and Windows

Russell Poucher

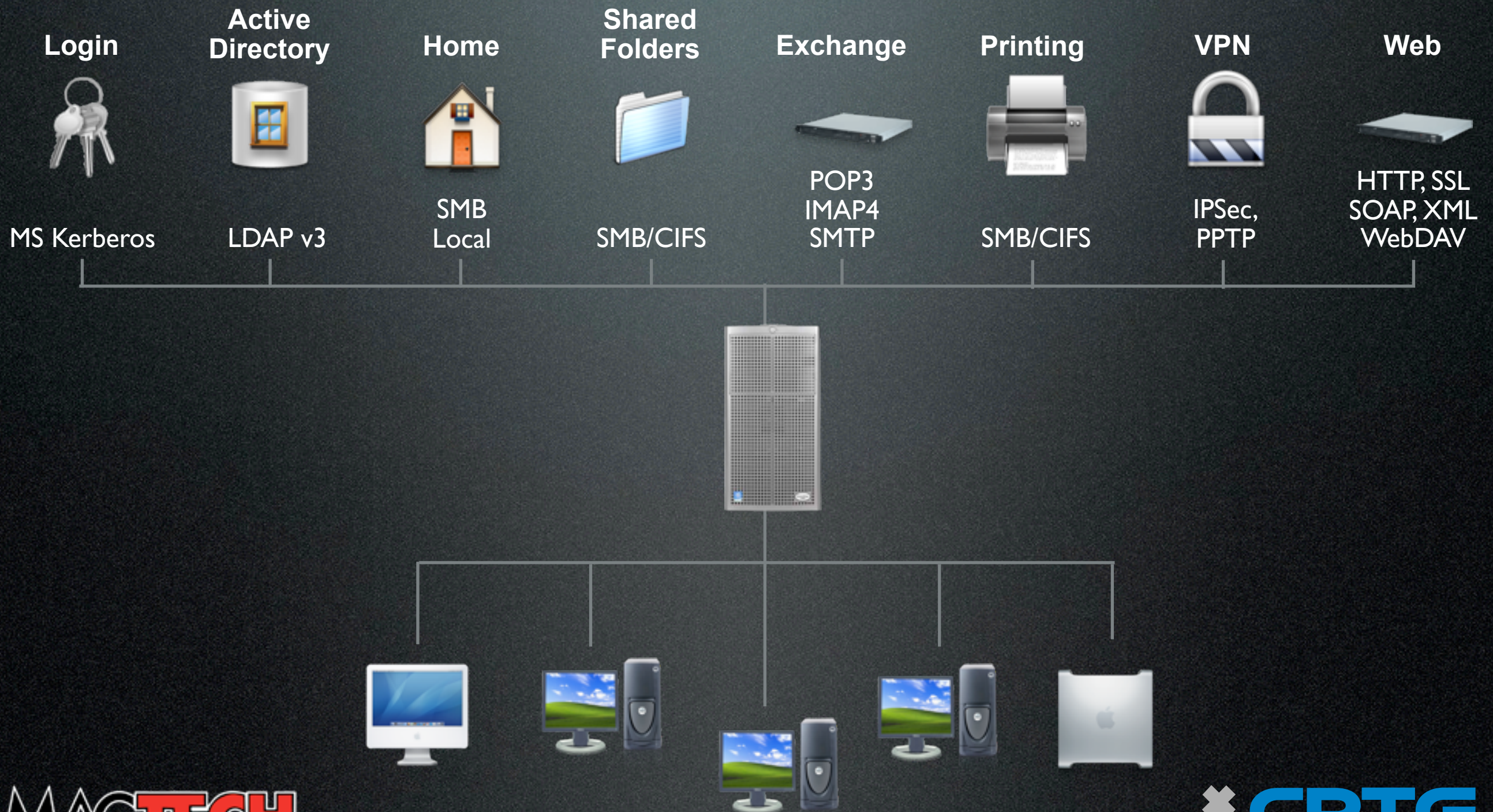
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MACTECH

CRTG
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TECHNOLOGY GROUP

Add Macs into a Windows World



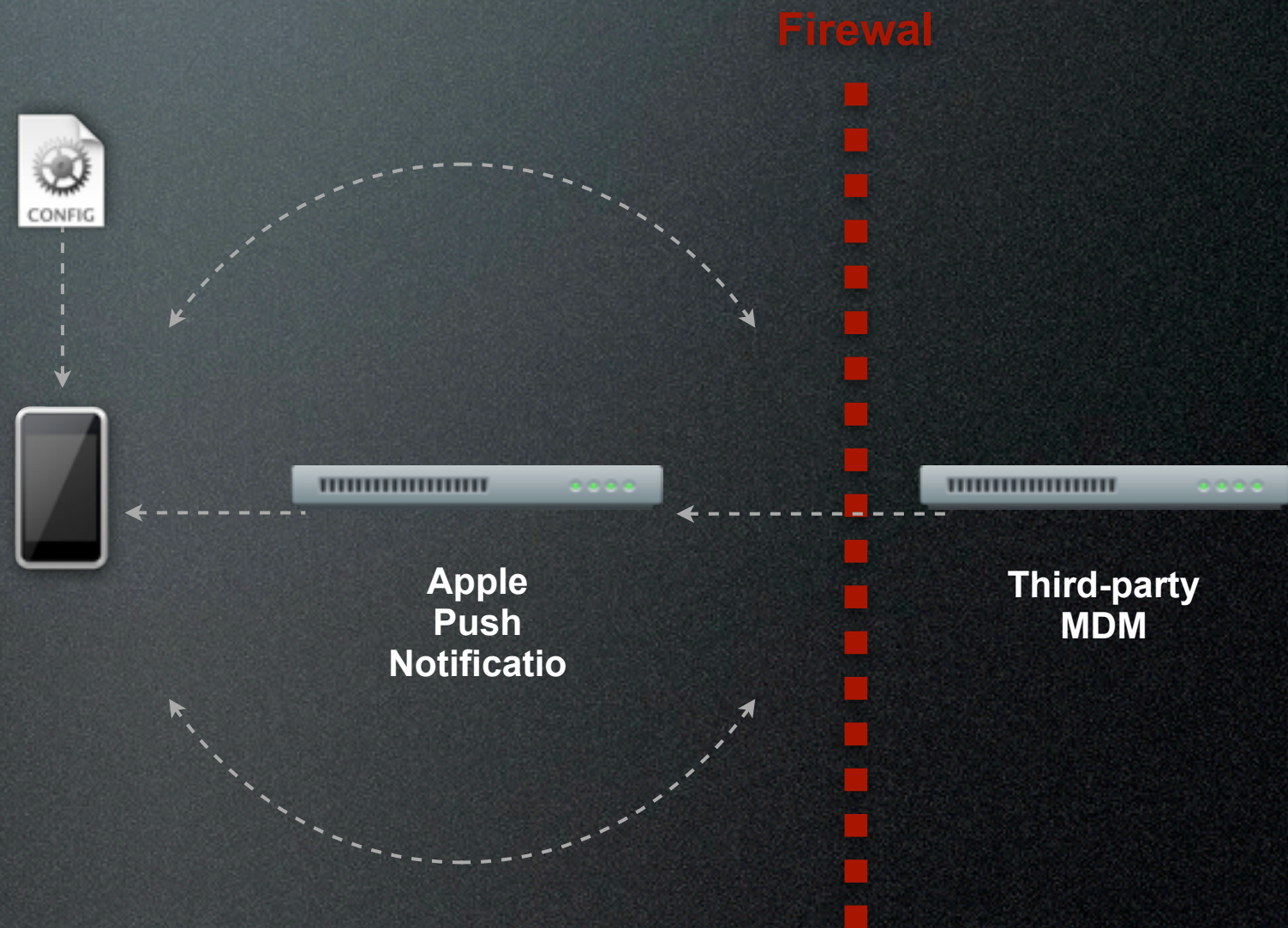
Mobility Main Players:

Pros and Cons of each

- Communication and Collaboration Players
- Hosted vs. Managed Solutions
- Which is appropriate?
- Apple Server Software

Mobile Device Management Process

- 1 A Configuration Profile containing MDM server information is sent to the device.**
User is presented with information on what
- 2 User installs profile to opt-in to device being managed.**
- 3 Device enrollment takes place as the profile is installed. The server**
- 4 Server sends push notification prompting device to check in for tasks or queries.**
- 5 Device connects directly to server over HTTPS. Server sends down**



Mobile Device Management



Configure



Enroll



Query



Manage

Profile Manager



- Profile configuration
- iOS and OS X Lion
- Mobile device management
- Web-based administration
- Self-service portal

Profile Manager

- Over-the-air enrollment
- No tethering required
- Push notification service
- Directory Service integration
- User portal
- Enroll and download profiles
- Remote lock and wipe



MDM Options

- Why? Control over how the devices used
- Huge Industry
- New competitors popping up monthly
- http://enterpriseios.com/wiki/Comparison_MDM_Providers
- <http://www.gartner.com/technology/media-products/reprints/airwatch/211101.html>

MDM Players

- Choose based on customer needs
- Some vendors do minimal MDM
- Vendors that are iOS only (Casper)
- Leaders: AirWatch, MobileIron, Good Technology
- Get educated - MTC

Common Apps Your Customers Want

- Apps to peak your customers interests
- Vertical market solutions
- Airprint





iOS as Remote Control for Various Devices

- AirPlay, BlueSLR, Mobile Mouse
- Reflections
- VNC Viewer, L5 Remote, Savant Commercial and Home Automation Systems, iDriver, X Commander, Luminair

Security and Encryption

- VPN connections and SSL
- PPTP
- Cisco IPSec
- Common problems with Apple Airport Base Station (e.g., L2TP)



Security and Encryption

- Device security
- Data security
- Network security
- App security



Enterprise Support for iOS

- Provisioning
- Best Practices
- Distribute Profiles:
Pros and Cons of each
- Things to Consider

Enterprise Support for iOS

- Exchange ActiveSync
 - Supported versions
 - Supported features
 - Authentication





Integration



Security



Deployment



**App Development
and Distribution**



Exchange Alternatives

Apple's Offerings

- Calendar Server
- Contact Server
- Mail



Kerio Connect

- Easy setup and use
- SMB Market is sweet spot
- Inexpensive
- Stable, but 32 bit



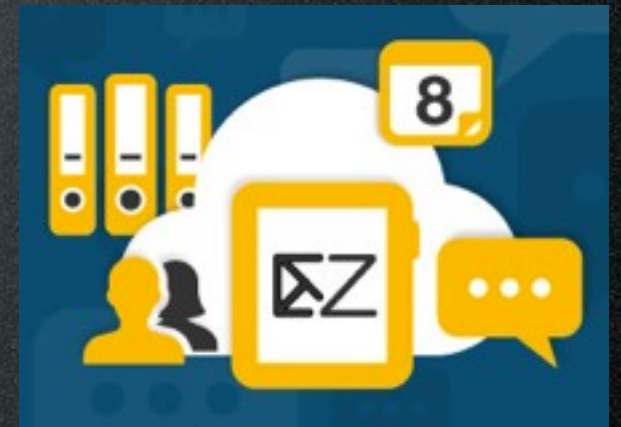
CommuniGate Pro

- Excellent alternative
- Attractive pricing
- Awkward updates
- SIP?



Zimbra

- Powerful architecture
- Excellent pricing model
- Now owned by VMWare



Exchange Support

- Outlook and Apple Mail
- Take note of version of Exchange Server
- Exchange 2003 Server or above (2007+ preferred)



Mail
• IMAP

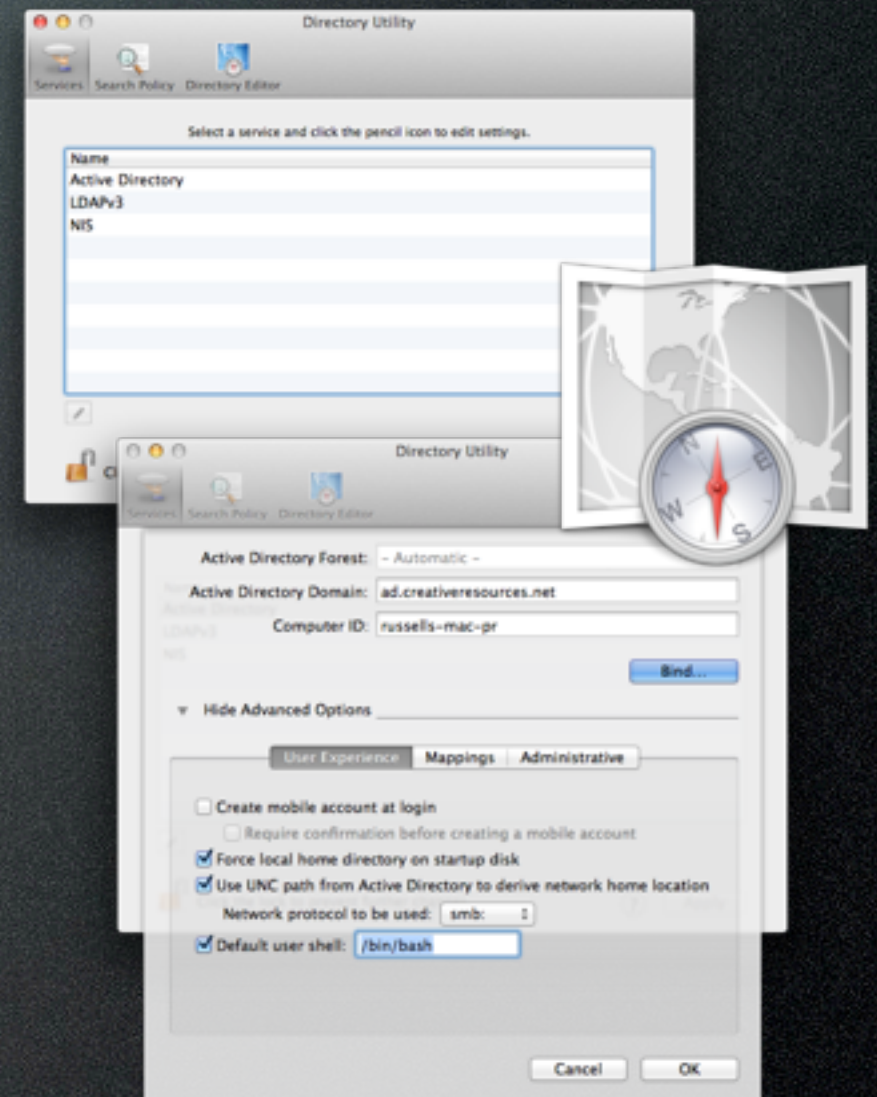


Exchange
Server

Address Book/

Authenticating with Active Directory

- Why is this useful?
 - Kerberos v5 integration
 - Single sign-on
 - Offline user authentication
 - Change password
 - Force change password



Why Windows

- Switchers, mission critical software, makes A/P happy
- Help to reduce risk of switching
- Many software titles still not available on the Mac platform

SMB

- What do you use it for?
- Enterprise level products
 - Centrify
 - Extreme Z-IP
 - SCCM (System Center Configuration Manager)
 - Lumension



Extreme**Z-IP**®

Third Party Products and Installing Windows on a Mac

- Needs
- Options
- MacTech Benchmarks
- Full virtualization

Third Party Products

- Thursby's DAVE & ADmit Mac
- CodeWeaver's Crossover
- Parallels Desktop for Mac
- VMWare Fusion
- Oracle's VirtualBox
- Apple's Boot Camp



Crossover Mac



- Windows software not needed
- Programs run natively on the Mac
- Doesn't work with all apps
- Keeps security of the Mac in tact



Parallels/VirtualBox/Fusion

- Lots of RAM
- Performs at about 95% the speed of BootCamp
- Full version of Windows
- Keep security in place



Apple's Bootcamp

- Must restart to use
- Only one environment at a time
- Very fast
- Full copy of Windows



Dealing with Viruses, malware, and updating Windows OS

- Must install protection
- Security
- Updating the OS
- OS Market share drives whether there's viruses on a platform
- Educate your customers



Integrating a complete PC and Mac Security plan

- Protecting your Mac from your virtual machine
- Run Mac versions of programs, when possible



Best Practices

- Image of Boot Camp partition
- Make a snapshot of your VM
- Store your working data on a non-Windows partition
- Apply

Troubleshooting Common Problems in Parallels and VMware

- OEM Windows Licenses
- Install optimizes after 3 days
- Sharing printers
- Viruses

Questions



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Support Professional



Certified
Technical Coordinator



Certified
System Administrator

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