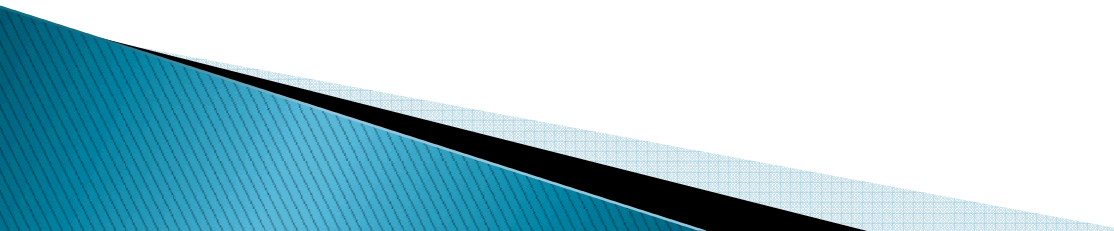


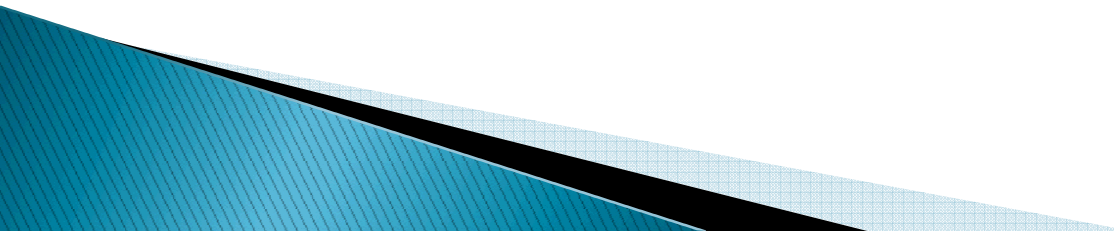
Application Virtualization using VMware Thinapp

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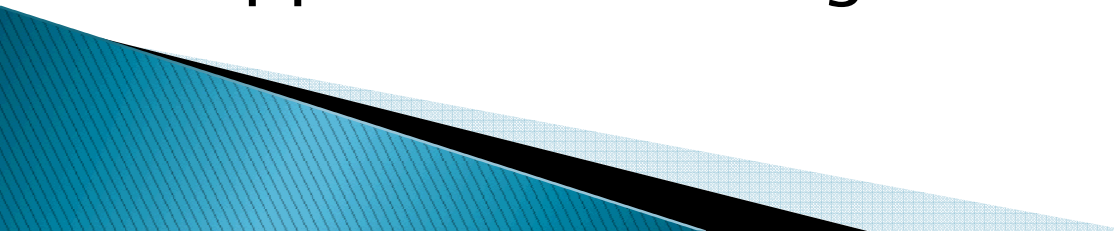
Agenda

- ▶ Introduction
 - ▶ Product overview
 - ▶ Features and Benefits
 - ▶ Limitations
 - ▶ Virtual Applications usage
 - ▶ Q&A
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Product Overview

- ▶ Thinapp is an agent-less solution created using snap-shot technology
 - ▶ Windows applications can be packaged, distributed, and executed as a single .exe without affecting the local registry or file system
 - ▶ Once virtualized the application can be run from multiple devices (Desktop, LAN, USB)
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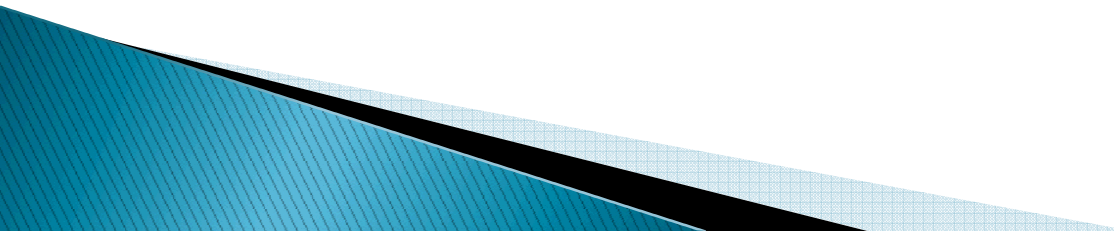
Features and Benefits

- ▶ Reduces compatibility issues
 - ▶ Runs in user mode
 - ▶ Supports 32/64 bit operating systems
 - Windows XP, Vista, Win7, Citrix XenApp, Terminal Services
 - ▶ Packages deployable via SMS, BMC, Altris etc
 - ▶ Application Isolation
 - Executes in a sandbox
 - ▶ Application Sync
 - ▶ Application Linking
- 

Application Sync

- ▶ Continuous and consistent updating of applications
 - Customizable settings (timing and messages)
 - Rollback options
 - Denial of availability if out of sync

Application Link

- ▶ Link multiple applications together
 - ▶ Example: Virtual browser links to virtual .NET/Java runtimes
 - ▶ Consistent and secure versions of web plug-ins
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The Sandbox

- ▶ Core of functionality
 - Created on first launch
 - Customizable
 - All updates/changes happen here
- ▶ Sandbox Locations
 - XP
 - c:\documents and settings\%userid%\appdata\thinstall\%apptitle%
 - Vista / Windows 7
 - c:\users\%userid%\appdata\roaming\thinstall\%apptitle%

Methods of distribution

- ▶ Streamed execution (.exe)
 - Runs off a network share
 - Create /deploy shortcut on the desktop
 - Central point of updating
 - Multi-user functionality
- ▶ Deployed Execution (.msi)
 - Transportable (i.e. laptops)
 - Copies .exe to local machine
 - Creates entry in add/remove programs
 - File association
 - Appsync functionality
 - Phones home for updates

Limitations

- ▶ OS dependant applications
 - Diskkeeper
 - Media Player
 - Administrative tools snap-ins
- ▶ Device Driver tie-in
 - Example Adobe distiller

Virtual application usage

▶ Real world examples

- External training course with specific requirements
 - Firefox app sync'd with Java, Flash and Adobe reader app-linked
- Adobe reader
- Microsoft Project/Visio
- Access 2003
 - Utilized during Office 2007 migration
 - Bundled with specialized version of ODBC drivers
- Internet Explorer 6
 - Utilized for older web applications

Troubleshooting Tips

- ▶ Delete the sandbox and re-launch the app
 - Know your application
 - are there customized settings
 - Ie. Favorites, bookmarks, additional add-ons
 - These will need to be pulled from the sandbox first
 - All settings applied to the app happen in the sandbox

Questions?

