Migration to XenApp and XenDesktop 7.5

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Enterprise and Service Provider Division
XenApp
Windows app virtualization
Mobilize Windows apps for maximum security, control and performance
Remote access/LOB budget
Project-based initiatives
Shorter sales cycles
Simple channel play

XenDesktop
Windows app and desktop virtualization
Deliver virtual Windows desktops with the best cost, performance and security for every business need
Capture desktop/PC refresh budget
All workforce use cases
Broader sales scope
More services opportunities
Today: Separation of Owners & Roles
Different Desktops & Apps Architectures

Web Interface

Delivery Services Console

EdgeSight Console

PCM Console

PVS Console

XenApp Controller

Power & Capacity Mgmt

Provisioning Services

Server OS Workers

XenApp 6.5 Farm (IMA)

Citrix Studio

Delivery Controller

VDA

Desktop OS Workers

XenDesktop 5.6 FP1 Site (FMA)

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FlexCast: Unified Service Delivery Team
FlexCast Management Architecture
FMA Brings Delivery & Management Flexibility

- XenApp 6.x (IMA)
- XenApp 7.5 (FMA)

Delivery Controller

- Delivery Agent
  - Applications & Desktop
  - WS08R2
- Delivery Agent
  - Applications & Desktop
  - WS12
- Delivery Agent
  - Applications & Desktop
  - Win8
XenApp 7.5 – New Features

- Eliminate CAPEX for seasonal needs
- Leverage global clouds for proximity to users
- Same management consoles and skillsets
- Easier than competitors to deploy and manage
- Publish dozens of apps in less than a minute
- Built-in performance monitoring
- Multi-touch experience
- High-performance over mobile networks
- Mobile Device Management
- P2V App Migration
- Hosted Mobile Mail
- Free XenMobile MDM or 20% off XenMobile Enterprise

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XenDesktop 7.5 – New Features

- Hybrid cloud provisioning
  - Eliminate CAPEX for seasonal needs
  - Leverage global clouds for proximity to users
  - Same management consoles and skillsets

- Remote PC Wake-on-LAN
  - Enables broader support for unplanned remote access scenarios using SCCM
  - Offers users more flexibility in the event of power outages

- AppDNA Complete App Migration Toolkit
  - P2V App Migration
  - Full AppDNA feature set

- Platinum Mobility Promotions
  - Free XenMobile MDM or 20% off XenMobile Enterprise
Hybrid Cloud Provisioning

Only XenApp and XenDesktop enable you to easily harness the flexibility, elasticity and economics of the largest, most popular public clouds.
New Platinum Feature: Automated App P2V analysis with AppDNA

Analyze app for virtualization

Simple green-amber-red status

Up to 90% faster than manual
XenApp and XenDesktop 7.5 Now Supports Web Interface 5.4

• Facilitate a longer runway for end users to transition from Web Interface to StoreFront

• Enable IT more time to plan their backend & infrastructure changes from Web Interface to StoreFront

• Farm aggregation to help customers adopt XenApp and XenDesktop 7.5, and continue to support existing environments

• No enhancements or new OS support to Web Interface 5.4
Single Server Scalability (SSS)
8% increase in user density for Hosted Shared Desktops

Windows Server 2008 R2 (hosted desktops)

- XenApp 6.5
- XenApp on FMA
User Experience & Scalability
Best experience (ICA w/ H.264) with negligible scalability impact
XenDesktop 7.1:

“...Finally, we definitely enjoy being able to have one product to manage VDI and XenApp based desktops and XenApp based Apps publishing.”

D. C., Director Technology Services
Higher Education in Southeast U.S.
FlexCast Management Architecture
Three key takeaways:

1. Reduces cost for delivering apps and desktop

2. Delivers IT agility and management flexibility

3. Enables scalability & cloud
Remote PC Access
Mobility to existing desktops – Now with Wake on LAN

• Brilliant HDX user experience to any device
• Secured by Netscaler without complex VPNs
• Automated assignment and deployment model
• Accelerate desktop virtualization deployments
• Wake on LAN integration with Microsoft SCCM 2012
Migration Paths & Options
Why is it painful today?

Agony is a combination of:
1. End user disruptions
2. Cost (opex, capex, emotional)
3. Service downtime
## Migration Paths for XenApp & XenDesktop Customers

### XenApp Customers

<table>
<thead>
<tr>
<th>XenApp 6.x &amp; earlier</th>
<th>XenApp 7.5</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>In-place upgrade, single management and Director support</td>
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</table>

### XenDesktop Customers

<table>
<thead>
<tr>
<th>XenDesktop 5.x</th>
<th>XenDesktop 7.5</th>
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<table>
<thead>
<tr>
<th>XenDesktop 4.x</th>
<th>XenDesktop migration tool</th>
</tr>
</thead>
</table>
3 Common Upgrade & Migration Scenarios

1. Keep my existing servers/farm running, and deploy new XenApp 7.5 site for new apps

2. Move my existing XenApp & XenDesktop servers to the cloud

3. Re-use my XenApp 6.5 servers, but managed under XenApp-FMA
Farm Aggregation with StoreFront and Web Interface

Citrix Receiver

Web Interface

StoreFront

XenApp farm

XenDesktop App site
Farm Aggregation with StoreFront and Web Interface

Benefits:

• Greater roll-out flexibility with minimum user disruption
  ◦ XenApp 6.x & earlier, along side XenApp and XenDesktop 7.5
• StoreFront allows for enterprise mobility, endpoint/device flexibility, smart card and SmartAccess

Considerations:

• Multiple farms are managed and supported separately
2 Farm Migration to Cloud
Benefits:

- **Optimize CAPEX**: Seasonal workers/capacity needs
- **Build for Speed**: M&A on-boarding, capacity growth
- **Think Differently**: “Don’t Own Stuff” - migrate entire environment to the public cloud

Considerations:

- App migration planning (partner opportunity)
“XenApp migration is painful! I would like a way to upgrade quickly and with minimal cost”

XenApp Upgrade & Migration Tools

- Run Upgrade utility
- Delivery Controller
- Delivery Agent
  - Applications & Desktop
    - WS08R2
- Delivery Agent
  - Applications & Desktop
    - Win 8.1
- Delivery Agent
  - Applications & Desktop
    - WinSvr 12R2

StoreFront

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### XenApp Upgrade & Migration Tools

<table>
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<tr>
<th>XenApp 6.5</th>
<th>XenApp – FMA</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application</td>
<td>Application</td>
<td>Can migrate server-hosted apps and most basic settings, such as: executable and arguments. No streamed or App-V</td>
</tr>
<tr>
<td>Group Policy</td>
<td>HDX Policy</td>
<td>XD7 group policy engine is largely compatible.</td>
</tr>
</tbody>
</table>

Settings and policies that won’t migrate can be exported and admins can re-assign or re-map the settings manually.
XenApp Upgrade & Migration Tools

Benefits:
• Enables “adding” XenApp 6.5 servers to the new XenApp 7.x on FMA
• Mitigates server-rebuilds and lengthy apps re-validation processes
• Simplifies migration of commonly used Applications (local) and Policies settings

Considerations:
• Targeted for XenApp 6.5 servers
• IMA settings that cannot be migrated can be available for manual re-config.
• Machines can only be members of 1 Delivery Group
Work better. Live better.