

# VMware Horizon Mirage Streamlines Windows 7 Migration

## AT A GLANCE

VMware Horizon Mirage™ enables Windows XP to Windows 7 migration across the WAN or LAN, with no loss of user files or personalization.

## KEY BENEFITS

- Save up to 70 percent on migration costs versus traditional tools.
- Reduce end-user downtime to minutes.
- Deliver a standard Windows 7 image across platforms.
- Enable desktop backup and recovery.
- Easily migrate branch and remote office employees without added infrastructure costs.

## Windows 7 Migration Using VMware Horizon Mirage

VMware Horizon Mirage is a layered image-management solution that separates the PC into logical layers, which are owned and managed by either your IT organization or the end user. Now you can update IT-managed layers while maintaining end-user files and personalization. And to maximize end-user productivity, snapshots and backups of layered desktop images enable quick recovery or rollback in case of failure.

Horizon Mirage streamlines the two most common migration approaches: upgrading an existing Windows XP device, in place, to Windows 7—or migrating a user's profile and files in a hardware-refresh process from their previous Windows XP device to a new Windows 7 device.

When performing an in-place upgrade, IT can deploy a Windows 7 base layer (with Win7-compatible apps already built in) to a collection of end users. That base layer will upgrade the local OS to Windows 7, but it will not delete or overwrite the user's personal files or profile. This approach greatly reduces the time IT has to spend getting an end user back up and running, and it greatly reduces end-user downtime.

When leveraging a hardware refresh cycle, IT can seamlessly migrate all of the end user's personal files and profile from the old Windows XP device over to the new Windows 7 device.

In addition, Horizon Mirage takes a full snapshot of the Windows XP system, including OS, applications, data, settings and personalization, before the migration begins. If a failure occurs on any endpoint during the migration, the end user can be quickly restored to their previous system. Following the migration, Horizon Mirage continues to send updates to the IT-managed layers and synchronizes changes made to the end-user managed layers to maintain the latest copy of that end-user system in the datacenter.

With the centralized management provided by Horizon Mirage, IT can perform all of the snapshot, migration and recovery tasks remotely. This significant reduction in manual migration processes accelerates the migration project and reduces IT costs. Horizon Mirage is optimized for performance across the WAN, making it easy to support remote and branch office employees without added infrastructure or costs.

Figure 1 illustrates how Horizon Mirage approaches a Windows 7 migration, compared with a more traditional approach.

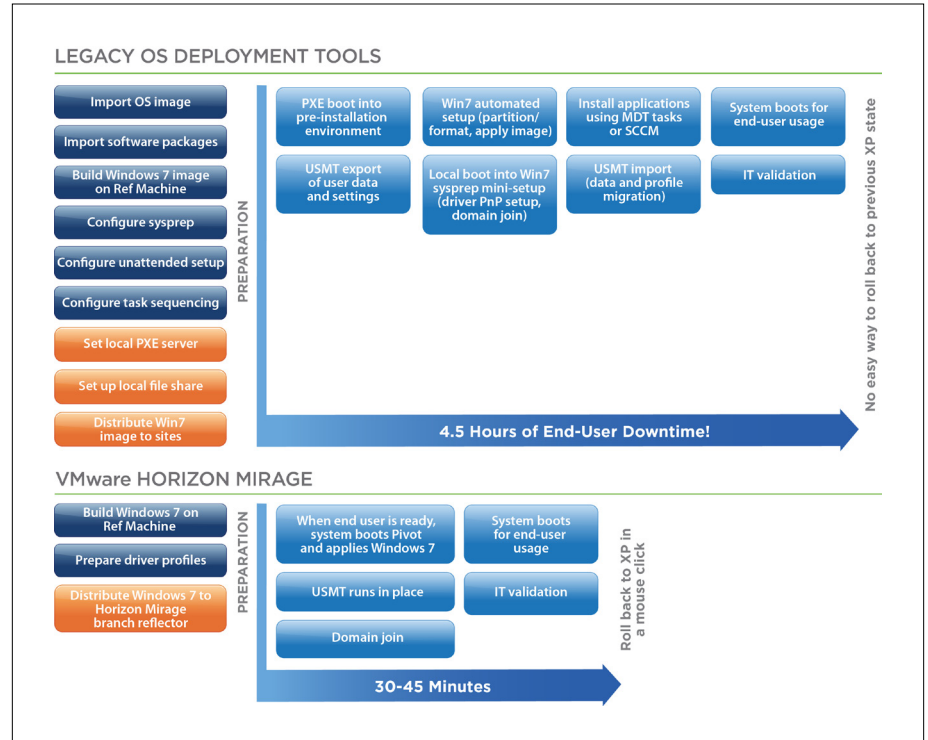


Figure 1: Legacy OS Deployment Tools Compared to VMware Horizon Mirage

## Reduce the Cost of Migration

A manual Windows 7 migration can often take between 4 to 6 hours per PC. Using a data and settings migration tool can cut the time down to 2 to 3 hours per PC, and it allows multiple machines to be migrated concurrently. However, the process still consumes IT resources to monitor and oversee the process and removes users from their PCs during the entire time.

With Horizon Mirage, a single technician can concurrently handle 100 or more migrations per day from the central management console. Your IT staff does not have to touch the PC, and the user downtime is typically only 30 minutes. As a result, IT can reduce the time they spend physically performing migration tasks or remediating a failed migration process on individual PCs. IT can also improve end-user productivity by reducing migration downtime to an average of 30 minutes. Additionally, the snapshots and desktop recovery capabilities enable quick rollback in case of a migration failure.

Using Horizon Mirage to accelerate a Windows 7 migration project with 2,000 endpoints can easily result in a cost savings of up to 70 percent!

MIGRATION PARAMETERS		
Number of Desktop PCs	1000	
Number of Laptops	1000	
Desktop PC Deployment Style	Migrate with New Hardware	
Laptop Deployment Style	Migrate with New Hardware	
Desktop PC Management Profiles	Locked and Well Managed	
Laptop Management Profiles	Moderately Managed	
COST PARAMETERS		
IT Technician - Average Salary	USD \$75,000	
Working Weeks/Year	48	
Working Hours/Week	37.5	
Loading Factor	1.5	
CALCULATIONS	WITHOUT HORIZON MIRAGE	WITH HORIZON MIRAGE
Time to Migrate Desktop PCs (Hours)	1,100	600
Time to Migrate Laptops (Hours)	2,850	600
<b>TOTAL LABOR COSTS</b>	<b>USD \$246,875</b>	<b>USD \$75,000</b>
<b>POTENTIAL LABOR COST SAVING</b>		<b>USD \$171,875</b>
		<b>69.6%</b>

## Learn More

For information or to purchase VMware products, call 1-877-VMWARE (outside North America, dial +1-650-427-5000), visit <http://www.vmware.com/products> or search online for an authorized reseller. For detailed product specifications and system requirements, refer to the product documentation.

