

# 7 Steps to Windows® 7 with Symantec™

Migrate with confidence

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Symantec can help you meet the migration challenge—and capture the opportunity. With over a decade of experience and more than 300 million successful deployments and migrations, Symantec solutions streamline the migration process and keep you in control. Our migration and deployment solutions cut the expense, delay, and disruption of your migration. And when you apply those savings to advanced Symantec solutions for security, virtualization, data protection, and management, you secure not only the one-time rewards from a smooth migration, but also long-term reliability, productivity, and security from an up-to-date, efficient, manageable IT environment.

## Symantec's 7-step process

Based on our experience with previous OS migrations, Symantec has developed a 7-step process for migrating to Windows 7:

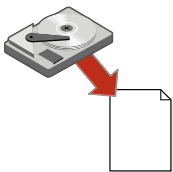
### 1. Assess the environment and plan your deployment



The first step includes discovering and evaluating hardware and software applications in your end-user environment, and identifying which ones will support Windows 7 and which ones need to be upgraded.

Symantec solutions include pre-built reports that help you determine readiness and overcome infrastructure barriers for a smooth migration.

### 2. Build standard Windows 7 images



Deploying standard hard disk images is the fastest, most consistent way to install a new operating system. You can also choose to create a single hardware-independent image or a small set of base images. A best practice is to keep images as small and generic as possible, adding only applications that must be installed on all computers.

Symantec supports its own native file- and sector-based image format, Ghost images, and the Microsoft® WIM format, so you can select what works best in your environment.

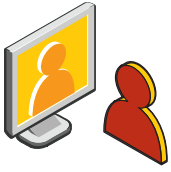
### 3. Prepare your applications



Applications are the core of user productivity. Most commercial applications will eventually support Windows 7, but you will need to verify and remediate or replace legacy and custom applications. Up-front testing and consistent packaging reduce requirements for intervention and desktop visits.

Symantec provides expertise with application repackaging to validate conflicts prior to migration, and application virtualization to ultimately resolve application compatibility problems.

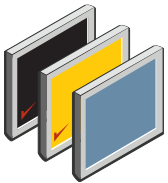
#### 4. Capture user settings and personality variables



Corporate computer users don't like change. They want to start up their new computers and see exactly what they saw on their old machines—the same printer settings, background pictures, Internet favorites, and everything they've personalized. Capturing these settings and applying them to the Windows 7 environment are necessary requirements to maintain productivity and accelerate acceptance.

Symantec takes the mystery out of the process with pre-built templates for more than 60 applications, as well as a custom personality builder that fully automates the creation of templates for other commercial or homegrown applications.

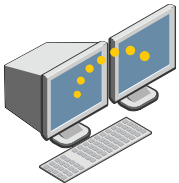
#### 5. Automate and assemble the migration process



Now that the pieces are in place, you need to hook them together and encapsulate the templates and files into an automated job or workflow sequence. This process ensures that when one task completes, the next is triggered automatically.

Symantec provides pre-defined sample jobs and wizards that guide you through the process, ensuring your ultimate success.

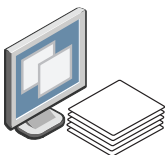
#### 6. Migrate systems



Before you can successfully migrate on a large scale, you need to know what is in front of you. A pilot project is the best way to simulate each step. Once you've proved the migration process is sound, you are ready to migrate your entire organization based on a defined rollout schedule. One click and it's time to sit back and relax.

Symantec solutions let you create groups of test systems for the pilot and then stage the rollout based on your priorities. More importantly, you can utilize integrated backup technologies to ensure a risk-free process that allows you to easily revert back to the previous system in case of an unexpected failure.

#### 7. Measure and report



Once your automated migration is complete, an important step remains: post-migration reporting and analysis. Good reporting helps your executive team track your migration from a distance, and helps you capture what you've learned for the next time.

Symantec solutions include customizable reports and dashboards that let you evaluate the effectiveness of the rollout. You can easily determine how many machines were migrated as well as how long the process took, and track any reported problems. These metrics help you demonstrate that the project was delivered on time and under budget.

### Ways to maximize your migration process

Your Windows 7 migration is an ideal time to upgrade to new levels of efficiency, manageability, and cost-effectiveness that can sustain your IT environment in the years ahead. It's the perfect time to wipe the slate clean—to implement standard configurations and structured change management procedures that will help ensure the long-term rewards that come from a manageable, sustainable environment.

You should also consider how you can:

- **Increase your security posture**—Your migration is an ideal time to replace patchwork legacy security measures with an integrated solution that combines multiple layers of protection.
- **Protect your corporate data**—Using an information management solution helps ensure a risk-free migration by backing up data, but it also provides long-term protection for any future system failures, human errors, or disasters.
- **Implement endpoint virtualization technologies**—Virtualization technologies facilitate a more dynamic and responsive environment. You can layer applications to mitigate software conflicts, stream applications for on-demand delivery, and customize personal workspaces that follow the user across multiple devices.

### *Increase your security posture*

Windows 7 is Microsoft's most secure OS yet and includes an improved security foundation. However, it still requires additional security software for complete protection. Based on a long history of working with Microsoft, Symantec is able to build on the security features of Windows 7 and Internet Explorer 8, providing a comprehensive set of security technologies that combine multiple layers of protection to defend your assets.

Symantec's antivirus, antispysware, firewall, device and application control, and behavior-based blocking (TruScan™) technology protects computers from "unknown" threats not yet identified by security vendors; and it complements the more traditional signature-/fingerprint-based protection technologies that protect against "known" threats. With added layers of intrusion prevention, Symantec also provides vulnerability-based Web protection, protecting from drive-by downloads and attacks against Web browsers and Web browser plug-ins.

Regardless of the security solution that you currently use, it will need to be updated to support Windows 7. Symantec™ Endpoint Protection, delivered via a single, integrated agent that is administered from a single management console, is easy to deploy and manage.

If you want even more email and Web protection, Symantec Protection Suite adds additional capabilities on top of Endpoint Protection, allowing you to block spam and automatically back up desktops and laptops based on the current security ThreatCon threat level or a scheduled point in time. In the event of a breach, you can rest assured that your systems and your data are backed up and easy to restore.

## Overview: Endpoint Management

### 7 Steps to Windows 7 with Symantec

Tip: If you plan to use the Windows 7 XP Mode to alleviate application compatibility issues, remember that you will now have two operating system versions to protect on each desktop or laptop. Symantec will help you reduce costs by requiring only one Symantec Endpoint Protection\* license to manage both instances of the OS on a PC.

#### *Protect Your corporate data*

Policy-based end-user data backup is another example of an initiative to consider as part of your migration.

While many organizations encourage end users to back up their own data to file servers, much of their intellectual property only resides on end users' computers. Symantec can help ensure a risk-free migration by backing up end-user data prior to a migration, ensuring that you can quickly recover from failed upgrades or user errors.

Symantec backup solutions can also provide long-term protection for any future system failures, human errors, or disasters. Since you will be backing up data as part of the migration anyway, now is an optimal time to put a backup solution in place on each device to ensure that data is continuously protected. With Symantec backup solutions, you can restore individual data files or complete Windows 7 desktops and laptops in minutes—even to dissimilar hardware.

#### *Implement endpoint virtualization technologies*

When migrating to a new operating system, significant cost and effort are associated with re-packaging and re-testing applications for deployment and use in the new environment. Once again, this is a perfect opportunity to change your desktop strategy for the better.

Symantec offers solutions to create OS-agnostic software packages that move easily from one device to another—even if the new device has a newer operating system—simplifying your migration now and in the future. These solutions can also provide streaming as an alternative way to deploy applications that are not included in the gold image. Streaming offers an exceptional user experience, delivering applications significantly faster than traditional installation, and it gives you the flexibility to offer your users software self-provisioning or the option to provision applications for occasional use.

Unlike some application virtualization technologies, software delivered via Symantec's endpoint virtualization products is visible to standard asset and security solutions, as well as to other software running on your machine. With Symantec endpoint virtualization products, you can be confident that all of your applications will run as you expect. In the rare instance that you need to hide applications from each other, that option is just a right click away.

\* Symantec Endpoint Protection Small Business customers would need an additional license.

## Overview: Endpoint Management 7 Steps to Windows 7 with Symantec

### Superior solutions for Windows 7

#### *Migration and endpoint management*

- Altiris™ Client Management Suite from Symantec
- Altiris™ Deployment Solution from Symantec
- Symantec Ghost™ Solution Suite

#### *Security and data loss prevention*

- Symantec Endpoint Protection
- Symantec™ Protection Suite
- Symantec™ Data Loss Prevention

#### *Backup and recovery*

- Symantec Backup Exec™ System Recovery
- Symantec Backup Exec Desktop Edition
- Veritas NetBackup™ Desktop and Laptop Option

#### *Application packaging and virtualization*

- Symantec™ Endpoint Virtualization Suite
- Wise Package Studio® from Symantec

### More information

#### *Learn More About Symantec and Windows 7*

<http://www.symantec.com/windows7>

#### *About Symantec*

Symantec is a global leader in providing security, storage and systems management solutions to help consumers and organizations secure and manage their information-driven world. Our software and services protect against more risks at more points, more completely and efficiently, enabling confidence wherever information is used or stored.

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