

# Parallels Desktop® 6 Switch to Mac Read Me

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Welcome to Parallels Desktop 6 Switch to Mac build 6.0.11820. This document contains the information you should know to successfully install Parallels Desktop 6 Switch to Mac and transfer your physical Windows or Linux computer to a Parallels virtual machine.

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## 1. About Parallels Desktop 6 Switch to Mac

Parallels Desktop 6 Switch to Mac enables you to transfer the whole of your PC, with all its applications and files, to a Parallels virtual machine and run Windows applications you need right on your Mac side by side with your Mac OS X applications.

Built on Parallels' award-winning hypervisor-based virtualization technology, Parallels Desktop 6 Switch to Mac enables you to:

- transfer the whole of your PC (Windows- or Linux-based) to a virtual machine on your Mac
- create powerful and easy to use virtual machines
- use 32-bit and 64-bit operating systems inside your virtual machines
- use Windows and Linux applications side by side with your Mac OS X applications, without restarting your Mac
- concurrently work with the files and applications from your Mac and your virtual machine
- import VMware, Microsoft Virtual PC, or VirtualBox virtual machines

To enhance your experience of running more than one operating system on your Macintosh computer, Parallels Desktop includes several utilities: Parallels Tools for seamless integration between your Mac and the virtual machine, Parallels Transporter® for moving from PC to Mac, and Parallels Mounter for accessing your virtual machine's files and folders without starting it.

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## 2. What's New

Parallels Desktop Switch to Mac (build 6.0.11820) includes the following new features and enhancements.

### STABILITY AND PERFORMANCE ENHANCEMENTS

#### Performance

- Improved overall performance.
- Reduced CPU usage and improved battery life.
- 64-bit virtual machine process for improved performance of virtual machines, especially of those with more than 1 GB of memory.
- Improved 3D performance - up to 80% faster than in Parallels Desktop 5.
- Improved disk I/O performance - up to 35% faster Windows 7, Windows Vista, and Windows XP virtual machines than in Parallels Desktop 5.
- Shared Folders perform two times faster.
- Faster Windows startup and shutdown.
- Reduced time for resuming paused and suspended virtual machines on Macs with powerful configurations.
- Extended support for new Macs with Intel i5 and i7 CPUs.
- Better performance of Linux in virtual machines.
- Faster Parallels Tools installation.

#### Virtual Devices

- Support for IPv6, the next-generation version of the Internet Protocol, in shared, bridged and host-only networking.
- Support for the Intel Pro/1000 (e1000) network interface for faster network performance and compatibility.
- Intel AES-NI support for virtual machines running on Macs with Intel Core i5 and i7 processors.
- Virtual SATA interface support for hard disk drives of newly created virtual machines.
- Virtual SATA interface support for CD/DVD drives of virtual machines.
- Using SATA emulation for hard drive connectivity in Boot Camp virtual machines instead of changing a SATA drive to an IDE drive.
- Virtual USB mouse for smooth transition between Mac and the virtual machine even when Parallels Tools are not installed.
- Better handling of keyboard indicator lights when working in Mac OS and the virtual machine.
- Improved handling of keyboard modifiers and system shortcuts when working in Mac OS and the virtual machine.

#### Security

- Dual antivirus protection included: complimentary antivirus software subscription is now available for both Windows and Mac.
- Virtual machine encryption using the AES algorithm for better security of your data

(empowered by Intel AES-NI hardware support on i5 and i7 CPUs).

- Virtual CPU now supports NX bit (No eXecute), which allows enabling Data Execution Prevention (DEP) in Windows.
- Mac OS Parental Controls are automatically applied to the virtual machine for managing children's computer usage. Any restrictions set for Mac OS will be also enforced in the virtual machine as well.

### New Guest Operating Systems

- Ubuntu 10.4
- Fedora 13
- Open SUSE 11.3
- Windows Server 2008 R2 Core
- Windows Server 2008 Core

## IMMERSIVE GAMING AND GRAPHICS

### Video

- 80% faster 3D graphics in the Coherence, Full Screen, and Window modes.
- Enhanced DirectX 9 support for better gaming experience.
- Support for OpenGL extensions available in Mac OS X v10.6.4 Snow Leopard.
- Support for Xorg 1.8 in Linux virtual machines, including Fedora 13 and Open SUSE 11.3.
- Fixed OpenGL support in Ubuntu 10.04 virtual machines.

### Sound

- Immerse yourself in games, movies, and music with surround sound 5.1 support for Windows 7, Windows XP, and Windows Vista: use any external surround sound 5.1 USB or FireWire devices simultaneously in your Mac and the virtual machine.

## SIMPLE, SMART, AND SEAMLESS EXPERIENCE

### Enhanced Appearance

- Improved user interface and new look and feel.
- Preferences dialog has been simplified and now fully conforms to the Mac OS style: no OK or Cancel buttons - all changes are applied on the fly.
- Virtual machine configuration dialog has been simplified and redesigned according to the Mac OS Preferences style.
- New Virtual Machine assistant is now easier to use.
- Redesigned USB connection dialog makes connecting USB devices simpler than ever.
- Improved animation when switching between the Coherence, Full Screen, and Window modes.
- Refined user interface with Quartz animation disabled.
- Enhanced Activation and Registration dialogs.

### Enhanced Logic

- Boot Camp virtual machines can now be suspended and then resumed.
- SmartGuard now has a backup mode that optimizes the virtual machine for Time

## Machine backups.

- Import of third-party virtual machines has been integrated into the main application: now it's available through the File > Open menu.
- Parallels Image Tool has been integrated into the main application: now all its functions are available in the Virtual Machine Configuration dialog.
- Parallels Transporter is now accessible through the "Import Virtual Machines" option on the Welcome Screen or the File > Import menu.
- Choose the level of integration between Windows and Mac by choosing the "Like a Mac" or "Like a PC" option when creating a new Windows virtual machine.
- Open your Windows applications without seeing Parallels Desktop interface elements even when your virtual machine is powered off.
- Shut down Windows and its applications in Coherence without seeing Parallels Desktop interface elements.
- Automatic generation of support code for easier access to Parallels Support.
- Keyboard shortcut (F6 or Fn + F6) for hiding/showing Parallels Desktop and all its windows.
- Improved support for Boot Camp partitions using multiple disks.
- Automatic SmartGuard snapshots taken after a timeout if the user does not respond to the prompts.
- Improved active screen corners behavior in Full Screen mode.
- Scaling of the virtual machine screen when its window is resized, if Parallels Tools are not installed or inactive.
- Windows applications can be set as the default applications for handling CDs and DVDs inserted into the Mac.
- The Num Lock key was added to the Send Keys menu.

## Enhanced Windows Applications Handling

- Access to Windows applications from anywhere in the world with the help of Parallels Mobile for iPad, iPhone, and iPod touch.
- Windows Applications folders in the Dock now contain "My computer", "Control Panel" and other useful shortcuts that are usually present in the Windows Start menu.
- Applications icons in the Windows Applications folders are no longer marked with black arrows.
- Windows Applications folders don't reappear in the Dock after you remove them manually.
- Spotlight search support for Windows applications.
- Progress for downloads and other operations is now displayed on the Windows 7 applications icons in the Dock.
- Windows 7 Jump Lists are supported for Windows applications in the Dock: view your recent documents by right-clicking the application icon in the Dock.
- Grouping of all windows of a single Windows application under the same application icon in the Dock.
- Windows applications icons can be configured not to appear in the Dock using the "Show icons in Dock" option in the virtual machine configuration.

## Enhanced Coherence

- Improved graphics performance in Coherence and enhanced compatibility with 3D

applications.

- Improved logic of Crystal and Coherence view modes. Now Crystal mode is an extension for Coherence.
- Arrow icon in the Mac menu bar for customizing Windows tray icons in Coherence.
- Mac OS shortcuts (Cmd+W, Cmd+Q, Cmd+~, Cmd+M, Cmd+H, Cmd +Alt+H) can be used to manage Windows applications when using Coherence with enabled Crystal mode.
- "Formatted text" and "Shared Clipboard" options can now be disabled via the Virtual Machine Configuration dialog.

## SWITCHER FOCUSED FEATURES

- Simplified and improved Parallels Transporter user interface.
- "Like a Mac" migration option that allows you to transfer your documents, photos, and music from PC to the corresponding folders on your Mac.
- Migration of the Internet bookmarks and settings from Internet Explorer, Firefox, or Chrome on PC to the default browser on the Mac.
- Supports import of Boot Camp partition into a Parallels virtual machine.
- Windows automatic login support for enhanced switcher experience.
- Automatic firewall detection during the migration from PC to Mac.
- Supports import of Virtual Box 3.1.2 and 3.1.4 virtual machines.
- Faster and smoother import of VMware, Virtual PC, and VirtualBox virtual machines.

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## 3. System Requirements

For successful migration of your PC to a virtual machine on your Mac, both computers should comply with the following requirements.

### Mac Requirements

- Any Macintosh computer with an Intel processor (1.66 GHz or greater). To run 64-bit operating systems in virtual machines, an Intel Core 2 or higher processor is required.
- Minimum 1 GB of memory, 2 GB of memory is recommended.
- 1 GB of disk space on the boot volume for Parallels Desktop 6 Switch to Mac installation.
- About 15 GB of disk space for each virtual machine.
- Supported Mac OS versions: Mac OS X Snow Leopard v10.6.3 or later, Mac OS X Leopard v10.5.8 or later.

Note: Mac OS X Tiger v10.4.x is not supported in this version of Parallels Desktop.

To get information about your Mac OS X version, type of processor, and amount of memory, choose About This Mac from the Apple menu.

### PC Requirements

- 700 (or higher) MHz x86 or x64 processor (Intel or AMD).
- 256 MB or more of RAM.
- 50 MB of hard disk space for installing Parallels Transporter Agent.
- Ethernet or WiFi network adapter for migrating over network.
- USB port for migrating using the Parallels USB cable.
- Supported Windows and Linux versions: Windows 7, Windows Vista, Windows XP, Windows Server 2003, Windows 2000, Red Hat Enterprise Linux 5, Ubuntu Linux 8.04.

For more detailed system requirements, please refer to the *Parallels Desktop Switch to Mac: Getting Started* guide.

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#### 4. Supported Guest Operating Systems

In addition to transferring your PC to a virtual machine on your Mac, you can create new virtual machines with the following operating systems:

##### 32-bit Operating Systems

- Windows 7
- Windows Vista® SP 0, SP 1, SP 2
- Windows Server® 2008 R2, SP2, SP1, SP0
- Windows Server® 2003 R2, SP2, SP1, SP0
- Windows XP Professional SP3, SP2, SP1, SP0
- Windows XP Home SP3, SP2, SP1, SP0
- Windows 2000 Professional SP4
- Windows 2000 Server SP4
- Windows NT 4.0 Server SP6
- Windows NT 4.0 Workstation SP6
- Windows ME
- Windows 98 SE
- Windows 95
- Windows 3.11
- MS-DOS 6.22
- Red Hat Enterprise 5.x, 4.x
- Fedora 13, 12
- Ubuntu 10.04, 9.10, 9.04, 8.10
- CentOS 5.x, 4.x
- Debian 5.0
- Suse Linux Enterprise Server 11, 10 SP2
- Suse Linux Enterprise Desktop 11
- OpenSUSE Linux 11.x
- Mandriva 2010, 2009
- Solaris 10
- Open Solaris 2009.06

- FreeBSD 8.x, 7.x
- OS/2® Warp 4.5, 4
- eComStation™ 1.2
- Mac OS X Leopard Server 10.5.x
- Mac OS X Snow Leopard Server 10.6.x

### 64-bit Operating Systems

- Windows 7
- Windows Vista® SP 0, SP 1, SP 2
- Windows Server® 2008 R2, SP2, SP1, SP0
- Windows Server® 2003 R2, SP2, SP1, SP0
- Windows XP Professional SP2
- Red Hat Enterprise 5.x
- Fedora 13, 12
- Ubuntu 10.4,9.10,9.04,8.10
- CentOS 5.x
- Debian 5.0
- Suse Linux Enterprise Server 11, 10 SP2
- Suse Linux Enterprise Desktop 11
- OpenSUSE Linux 11.x
- Mandriva 2010, 2009
- Solaris 10
- Open Solaris 2009.06
- FreeBSD 8.x,7.x
- Mac OS X Leopard Server 10.5.x
- Mac OS X Snow Leopard Server 10.6.x

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## 5. Installing Parallels Desktop 6 Switch to Mac

Insert the installation disc into the optical drive of your Mac. Open the Parallels Desktop 6 Switch to Mac DMG package and double-click Install.

Parallels Desktop 6 Switch to Mac will connect to the Parallels update server and check for available Parallels Desktop 6 Switch to Mac updates. If there is a Parallels Desktop 6 Switch to Mac version newer than yours, you will see the message offering you to install the current boxed version or to install the latest version of Parallels Desktop 6 Switch to Mac.

- If you click Install current, the base version of Parallels Desktop 6 Switch to Mac will be installed.

- If you click Download and install the new version, the latest version of Parallels Desktop 6 Switch to Mac will be downloaded to your Mac and installed.

- If there are no updates available or your Mac is not connected to the internet, the base version will be installed.

### Installation

To install Parallels Desktop 6 Switch to Mac:

1. In the Welcome window, click Continue.
2. In the Important Information window, read the product Readme file. Click Print to print the document or Save to save it for future reading. When finished, click Continue.

Note: You can return to the previous steps by clicking the Go Back button.

3. In the Software License Agreement window, carefully read the License Agreement. We recommend to print the license agreement for your records using the Print button or to save it for future reading using the Save button. Click Continue when finished.

To proceed with the installation, you must agree with the terms and conditions of the License Agreement.

4. In the Customer Experience Program window, read carefully the information about the program that will help us improve Parallels Desktop 6 Switch to Mac according to your experience. Click Continue when finished.

In the pop-up dialog, click Yes if you want to participate in the program, otherwise, click No.

5. In the next window, click Install to start the installation.

Enter your password when prompted and click OK.

6. The installation progress will be displayed in the Installing Parallels Desktop 6 Switch to Mac window.

7. When the installation is complete, click Close to quit the Installer.

After the installation you can launch Parallels Desktop 6 Switch to Mac from the Applications folder on your Mac.

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### 6. Installing Parallels Transporter Agent on Your PC

Insert the installation DVD into the optical drive of your PC and install Parallels Transporter Agent.

If your optical drive cannot read DVD discs, you can download Parallels Transporter agent from [the Parallels website](#).

Otherwise, you can find the installation file in the following location on your Mac: /Library/Parallels/Parallels Transporter Agent for Windows.exe, copy it to a CD, an external storage device, or other media, and transfer it to your PC.

When Parallels Transporter Agent is installed, you can transfer your PC to a virtual machine on your Mac.

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## 7. Migrating From a Remote PC Using the Parallels USB Cable

Parallels Desktop 6 Switch to Mac allows you to transfer a Windows physical computer to a Parallels virtual machine using the Parallels USB cable which is supplied with your Parallels Desktop 6 Switch to Mac kit.

Note: This migration scenario is available for Windows 7, Windows XP, and Windows Vista source physical computers.

To perform this type of migration:

1. On your Mac, go to the /Applications folder and open Parallels Desktop. When the Welcome screen appears, click Migrate Windows from PC. This will open Parallels Transporter that will transfer your PC to a virtual machine on your Mac.
2. On your PC, start Parallels Transporter Agent.
3. Connect your PC to your Mac using the Parallels USB cable.
4. Follow the Parallels Transporter instructions.
5. Parallels Transporter will transfer the source PC to a Parallels virtual machine on your Mac.

After the migration is complete, you can use this virtual machine in Parallels Desktop 6 Switch to Mac.

For detailed information on migrating from a remote computer using the Parallels USB cable, please refer to *Parallels Desktop Switch to Mac: Getting Started*.

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## 8. Activating Parallels Desktop 6 Switch to Mac

To fully run Parallels Desktop 6 Switch to Mac, you should activate it with an activation key. You can find the activation key printed either on the installation DVD sleeve or on a card.

Once you activate your copy of Parallels Desktop 6 Switch to Mac, you can run virtual machines, install operating systems, and applications in them.

To activate Parallels Desktop 6 Switch to Mac:

1. Launch Parallels Desktop 6 Switch to Mac.
2. Choose Activate Product from the Parallels Desktop menu.
3. In the Activate Product dialog, specify your name and your company name and type the activation key into the Activation Key field. Click the OK button when finished.

Now that your copy of Parallels Desktop 6 Switch to Mac is activated, you can create virtual machines, install operating systems in them, and work with the virtual

machines' applications side by side with the applications of your Mac.

After activating your copy of Parallels Desktop, it is recommended that you register it. Only registered users are able to download regular updates and stay current with the latest improvements.

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## 9. Copyright Notice

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## 10. Contact Information

Product website: <http://www.parallels.com/>