

*Updated: July 31, 2001*

### **General questions:**

**Q: What is the Virtual PC Test Drive for Mac OS X?**

A: This version of Virtual PC is a technology demonstration; it is designed to provide Virtual PC 4.0 registered users with a preview of Virtual PC on OS X to aid with their migration to Apple's exciting new operating system.

**Q: How can I participate in the Virtual PC Test Drive for Mac OS X?**

A: Virtual PC 4 users can register for the Test Drive and download the application at <http://preview.connectix.com/testdrive/>.

**Q: What if I am a Virtual PC 2.x/3.x user?**

A: Now is the perfect time to upgrade to Virtual PC 4. You can purchase the upgrade from the Connectix online store at [www.connectix.com](http://www.connectix.com) or from your favorite retailer. You will then be able to take advantage of the new features in Virtual PC 4 for Mac OS 9 and you will be able to participate in the Virtual PC Test Drive for Mac OS X.

### **Sales related questions:**

**Q: When will you have a retail version of Virtual PC for Mac OS X? How much will it cost?**

A: Support for Mac OS X will be rolled into the next major release of Virtual PC. We have not yet announced a date or pricing.

**Q: Will there be a migration path from Virtual PC 4 for Mac OS 9 to Virtual PC for Mac OS X?**

A: Yes. Connectix has a long history of helping their customers migrate to the latest versions of their products and will continue to do so.

**Q: If I buy Virtual PC 4 for Mac OS 9 today, will I get the retail version of Virtual PC for Mac OS X for free?**

A: No. However, Connectix will have a migration path to help Virtual PC for Mac OS 9 users migrate to the next major release of Virtual PC.

**Q: How much will the upgrade from Virtual PC 4 for Mac OS 9 to Virtual PC for Mac OS X cost?**

A: Support for Mac OS X will be rolled into the next major release of Virtual PC. We have not yet announced a date or pricing.

**Application related questions:**

**Q: What are the system requirements for the Virtual PC Test Drive for Mac OS X?**

	PC-DOS	Windows 95	Windows 98	Windows Me
<b>Virtual PC 4</b>	Version 4.0.2 and the 0006 Additions			
<b>Processor</b>	Any G3/G4 Mac			
<b>Mac OS X</b>	Version 10.0.4			
<b>Free Hard Disk Space</b>	260 MB	500 MB	1 GB	1 GB
<b>RAM available to VPC</b>	160 MB	192 MB	192 MB minimum 256 MB recommended	192 MB minimum 256 MB recommended

	Windows 2000	Windows NT	Windows XP	Linux
<b>Virtual PC 4</b>	Version 4.0.2 and the 0006 Additions			
<b>Processor</b>	Any G3/G4 Mac			
<b>Mac OS X</b>	Version 10.0.4			
<b>Free Hard Disk Space</b>	1.5 GB	500 MB	1 GB	1 GB
<b>RAM available to VPC</b>	256 MB minimum 320 MB recommended	192 MB minimum 256 MB recommended	256 MB minimum 320 MB recommended	256 MB

**Q: Can I use my Virtual PC 4 drive images?**

A: Yes, instructions on how to use your Virtual PC 4 drive images are included in the Virtual PC Test Drive for Mac OS X documentation.

**Q: What type of support is provided for the Virtual PC Test Drive for Mac OS X?**

A: Discussion forums are available to converse with other Test Drive users. You can also share your Test Drive experiences by using the feedback form to submit your thoughts and suggestions directly to Connectix. *Please note: Connectix does not provide direct end-user support for the Test Drive.*

**Q: Does the Virtual PC Test Drive for Mac OS X application timeout?**

A: Yes, the first Test Drive application will timeout at the end of January 2002.

**Q: Do the Connectix OS Packs work with the Virtual PC Test Drive for Mac OS X?**

A: Yes, the Connectix OS Packs work with the Test Drive. You can purchase OS Packs at the Connectix online store at [www.connectix.com](http://www.connectix.com).

**Q: Are there any feature differences between Virtual PC 4 for Mac OS 9 and Virtual PC for Mac OS X?**

A: Yes, the Virtual PC Test Drive for Mac OS X is a technology demonstration and does not have as full of a feature set as found in Virtual PC 4 for OS 9. Some of the major differences are:

- No USB support. USB devices cannot be used with the Virtual PC Test Drive for Mac OS X. However, mice and keyboards connected to the Mac for normal functionality will be available and utilized in Virtual PC Test Drive for Mac OS X.
- No full-screen mode support.
- Limited networking. Unique IP is not available. Shared IP can be used with some limitations: Users can logon to a domain, browse the web and FTP files but will not be able to browse using Network Neighborhood in Windows.
- No COM or Serial port support.

**Q: Does Windows XP work with the Virtual PC Test Drive for Mac OS X?**

A: Connectix has tested Windows XP Beta 2 build 2462 and earlier and has found them to be compatible with the Test Drive. The later builds of Windows XP are currently undergoing testing.

**Q: Can I install my own operating system in the Virtual PC Test Drive for Mac OS X?**

A: Yes, you can. Follow the instructions provided in your Virtual PC 4 manual.

**Q: Does Linux work with the Virtual PC Test Drive for Mac OS X?**

A: Yes, Connectix has tested both Red Hat Linux 6.1 and Mandrake Linux 8.0 with the Virtual PC Test Drive for Mac OS X.

**Q: Can I use my USB devices with the Virtual PC Test Drive for Mac OS X?**

A: No. However, mice, keyboards, and printers connected to the Mac for normal functionality will be available and utilized in the Virtual PC Test Drive for Mac OS X.

**Q: Can I print from Windows using the Virtual PC Test Drive for Mac OS X?**

A: Yes. The printing emulation works the same as it does in Virtual PC for OS 9. Simply select the printer you want to use from the Print Center in OS X. Using its printer emulation Virtual PC will format the PC printing output for you and spool it to your Mac printer.

**Q: Is the Test Drive as fast under Mac OS X as Virtual PC 4 is under Mac OS 9.x?**

A: It depends on the task you are doing. Due to the architecture of Mac OS X the launching of some of the Windows Operating Systems are slower than OS 9. However, other tasks like running applications within Windows are the same speed.

**Q: Is there support for 3<sup>rd</sup> party upgrade cards?**

A: Yes. However, the Virtual PC Test Drive for Mac OS X only supports the machines and configurations that Apple supports in Mac OS X.

**Q: I need to run the AutoCAD application that is available only for Windows. Is Virtual PC a viable solution?**

A: It depends on the types of activities you are doing within AutoCAD. Users have reported satisfactory results when creating simple wire frame drawings or reviewing previously created images. However, you may find the performance of Virtual PC too slow for creating and rendering complicated multi-layered drawings. *Note: The Virtual PC Test Drive for OS X does not have USB support. Applications (such as some versions of AutoCAD) requiring USB dongles will not work with the Virtual PC Test Drive.*

**Q: I saw the keynote at Macworld Expo New York. How were you able to get the AutoCAD drawing to render so quickly?**

A: The Macintosh used for the keynote demonstration was the new 867 MHz G4 ("QuickSilver") running Mac OS X 10.0.4. The Windows OS used was Windows 98, and the version of AutoCAD was 14.0.

The wire frame rendering that you saw was the actual speed of the Virtual PC Test Drive for Mac OS X on this machine. We had previously launched AutoCAD, and saved the Windows 98 state with it launched. During the demonstration we opened the file and let AutoCAD display the wire frame line by line. In addition, the time it took to restore the saved state was actually the *worst* case, since the first time you restore a saved state takes the longest. Later restorations take much less time, presumably because of an OS X disk cache.

The fully rendered 3d color image took about 40 seconds or so to render, but since we were time limited for the keynote, this would have taken too long. So, the image was computed in a second instance of AutoCAD, minimized in the Windows task bar, and then just maximized in the demo.

**Q: If I run the Virtual PC Test Drive on a multiprocessor machine will it be twice as fast as Virtual PC on a machine with a single processor?**

A: No. Although Virtual PC indirectly benefits from the multiprocessor functionality added to the Mac OS system software, it doesn't make direct use of multiple processors. Benefits can only be gained in multiprocessor systems for problems that are "parallelizable" (i.e. consist of operations that can be broken up and executed simultaneously). Unfortunately, emulation is a very linear process, so multiple processors are of little help.

