

## **What's New in VMware Fusion 4 – (September 14, 2011)**

VMware Fusion 4 is packed with more than 90 new features and enhancements

### **True Mac Installation Experience**

- Drag and drop to install VMware Fusion to your folder of choice
- Double-click to upgrade from earlier versions of VMware Fusion
- New DMG / disc design
- Drag and drop to Trash to remove, no uninstaller needed
- USB key included with box product to install on Macs without optical drives

### **64-bit Cocoa App Top to Bottom**

- 64-bit VMware Fusion app
- 64-bit VMware Fusion Start Menu app
- 64-bit VMware Fusion Services app
- 64-bit USB Arbitration tool
- 64-bit ThinPrint
- 64-bit core virtualization engine (first introduced in VMware Fusion 3.x)

### **Less Impact on Your Mac**

- Zero impact on Mac resources when VMware Fusion & Start Menu are not running
- Completely self contained Cocoa app
- Run from any folder you choose
- Dynamically load and unload services on-demand
- Dynamically load and unload kernel modules on-demand

### **Get Started and Get Out of The Way – All New Virtual Machine Library**

- New iTunes inspired Welcome to VMware Fusion to get you up and running quickly
- Refined experience to show only the information you care about and get out the way
- Show more virtual machines at once without needing to scroll
- Start virtual machine and virtual machine library goes away automatically

### **More Room To Work – All New Single Window View**

- New smaller default toolbar to see more of your VM
- Remove status bar combined with smaller toolbar gives you more 44% more work space  
(54 Pixels New - 20+76 = 96 Old)
- Adds active device status and device settings to toolbar
- Ability to quickly show and hide active device status and device settings
- New optional "Send Ctrl-Alt-Delete" toolbar button
- New optional "Pause" toolbar button

### **Change Settings in a Familiar Way – All New Virtual Machine Settings**

- Works like the Mac's System Preferences
- Overlay to make it clear which virtual machine settings you are changing
- New General overview category with insight on disk space used & clean up option
- Applications Menu broken out as separate category
- Default Applications broken out as separate category
- Startup disk broken out as a separate category
- Hard Disk category simplified to put what you care about front & center and hide less relevant
- New Compatibility category for virtual machine upgrade/downgrade

### **Run More 3D Windows Apps and Games – Improved 2D/3D Graphics**

- Greatly improved 3D graphics performance, up to 2.5X faster on OS X Lion
- Greatly improved 3D graphics reliability and performance for Windows XP virtual machines
- Support for AutoCAD 2010, 2011, 2012 for Windows XP
- Support for AutoCAD 2012 for Windows 7
- Greatly improved performance with Solidworks. Solidworks 2011 SP3 or later recommended.
- Greatly improved performance with Altium Designer
- Improved support for DOS style VGA games on Windows

### **Run Windows Apps Even More Like Mac Apps - Unity Gets Better**

- Automatically add user installed Windows Apps to Mac Applications folder
- Automatically add user installed Windows Apps to Launchpad
- Add any selected apps to Mac Applications folder and Launchpad
- Remove specific apps from Mac Applications folder
- Search user installed and user chosen Windows apps in Spotlight
- High resolution icons up to 512x512
- Support for Mission Control
- Improved support for Spaces
- Improved support for Expose

### **Share More Easily - Shared & Mirrored Folders Improvements**

- Downloads available as Mirrored Folder
- Movies available as Mirrored Folder
- Faster browsing of Shared and Mirrored Folders
- Updates to Mac folders now available without refresh in Windows

### **Lion on Lion - OS X Lion in a virtual machine**

- Run OS X Lion in a virtual machine
- Run OS X Lion Server in a virtual machine
- Support for sound in OS X Lion virtual machines
- Just drag "Install Mac OS X Lion.app" onto New VM Assistant to start install

### **Snapshots and AutoProtect Improvements**

- All new Time Machine inspired user interface to get more of snapshots
- Show snapshot trees and dependencies
- Zoom to find by date
- Resize snapshots to meet your needs
- AutoProtect defaults now optimized for optimal Time Machine compatibility
- See time of next AutoProtect snapshot in Snapshot window
- AutoProtect settings now in Snapshot window for easier setup

### **Virtual Disk Management Improvements**

- New disk space usage break-down in General pane of Virtual Machine Settings
- Shrink Windows virtual disks with snapshots (snapshots must be created in Fusion 4 or later)
- Shrinking Windows virtual disk faster than previous versions of VMware Fusion
- Ability to resize Mac virtual disks and then update virtual partition size with Apple's Disk Utility

### **PC Migration Improvements**

- Fastest PC Migration solution now works when running on OS X Lion

### **Transition Animations All New**

- Switch Full Screen to Unity
- Switch Single Windows to Full Screen
- Bring Up Settings
- Bring Up Snapshots

**Networking Improvements**

- NAT: Handle changes between wired and wireless networking more seamlessly
- NAT: Improved proxy detection

**USB Improvements**

- Option to set devices to connect to Mac by default, ask, or connect to Windows

**Bluetooth All New**

- Virtual Bluetooth support
- Connect phone to a virtual machine, sharing with Mac

**Encrypted Virtual Machines All New**

- AES encrypted virtual machines for when security is needed
- Password required to open encrypted virtual machines

**Pause Your Virtual Machines All New**

- Pause your full screen & single window VMs to give you more resources when you need them

**Remote Disc All New**

- Remote Disc drive support to install OS & software on MacBook Airs from a remote CD/DVD

**Audio Improvements**

- HD Audio with up to 5.1 Audio
- Improved support for audio and video conferencing applications on Windows 7

**Optimized for latest multicore Macs**

- Improved virtual SMP performance lets you get the most of new quad core Macs

**CPU Improvements**

- Optimized support for latest Intel processors including Intel Sandy Bridge
- Support for AVX multimedia instructions with Intel Sandy Bridge

**Other**

- Suspend virtual machines without prompt when closing virtual machines or quitting app
- Updated Quick Look plug-in for virtual machines
- Open and Run menu option to add a virtual machine to Virtual Machine Library and run it

**Learning Center**

- New online learning center to get the most of VMware Fusion

**New Guest Operating Systems Supported**

- Mac OS X 10.7
- Mac OS X Server 10.7
- CentOS 6.0
- Debian 6.0
- FreeBSD 8.2
- Mandriva 2010
- openSUSE 11.4
- SUSE Linux 11 SP1
- RHEL 6.0
- VMware ESX 5