



VMware Workstation 5

Fixed Bugs

Updated September 18, 2007

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Bugs Fixed in VMware Workstation 5.5.5

Release date: September 18, 2007

Bug number	Description
157869	A problem caused Workstation 5.5.x to incorrectly display Workstation 6.0 virtual machines as Current virtual machines for Workstation 5.5.x.
162799	A security vulnerability could allow a guest operating system user with administrative privileges to cause memory corruption in a host process, and thus potentially execute arbitrary code on the host. The Common Vulnerabilities and Exposures project (cve.mitre.org) assigned the following name to this issue: CVE-2007-4496.
163135	A security vulnerability could allow a guest operating system user without administrator privileges to cause a host process to become unresponsive or exit unexpectedly, making the guest operating system unusable. The Common Vulnerabilities and Exposures project (cve.mitre.org) assigned the following name to this issue: CVE-2007-4497.

© 2007 VMware, Inc. All rights reserved. Protected by one or more of U.S. Patent Nos. 6,397,242, 6,496,847, 6,704,925, 6,711,672, 6,725,289, 6,735,601, 6,785,886, 6,789,156, 6,795,966, 6,880,022, 6,944,699, 6,961,806, 6,961,941, 7,069,413, 7,082,598, 7,089,377, 7,111,086, 7,111,145, 7,117,481, 7,149,843, 7,155,558, 7,222,221, 7,260,815, 7,260,820, 7,269,683, 7,275,136, 7,277,998, 7,277,999, 7,278,030, 7,281,102, and 7,290,253; patents pending.

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Bug number	Description
168236	<p>Several security vulnerabilities in the VMware DHCP server could enable a malicious web page to gain system-level privileges.</p> <p>The Common Vulnerabilities and Exposures project (cve.mitre.org) assigned the following names to these issues: CVE-2007-0061, CVE-2007-0062, CVE-2007-0063.</p>
176801, 180181	<p>A security vulnerability existed in which Workstation was starting registered Windows services such as the Authorization service with "bare" (unquoted) paths, such as c:\program files\vmware\.... Applications and services in Windows must be started with a quoted path. This vulnerability could allow a malicious user to escalate user privileges.</p>
179485	<p>A problem prevented VMware Player from launching. This problem was accompanied by the error message VMware Player unrecoverable error: (player) Exception 0xc0000005 (access violation) has occurred. This problem could result in a security vulnerability from some images stored in virtual machines downloaded by the user.</p>
181349	<p>A problem prevented template virtual machines stored in read-only directories from being opened.</p>
181478	<p>A security vulnerability could allow a malicious remote user to exploit the library file vielib.dll to overwrite files in a system.</p> <p>The Common Vulnerabilities and Exposures project (cve.mitre.org) assigned the following names to this issue: CVE-2007-4155.</p>
181493	<p>A security vulnerability could allow a malicious remote user to exploit the library file IntraProcessLogging.dll to overwrite files in a system.</p> <p>The Common Vulnerabilities and Exposures project (cve.mitre.org) assigned the following name to this issue: CVE-2007-4059.</p>

Bugs Fixed in VMware Workstation 5.5.4

Release date: April 26, 2007

Bug number	Description
147252	<p>Virtual machines can be put in various states of suspension, as specified by the ACPI power management standard. When returning from a sleep state (S2) to the run state (S0), the virtual machine process (VMX) collects information about the last recorded running state for the virtual machine. Under some circumstances, VMX read state information from an incorrect memory location. This issue could be used to complete a successful Denial-of-Service attack where the virtual machine would need to be rebooted. The Common Vulnerabilities and Exposures project (cve.mitre.org) assigned the name CVE-2007-1337 to this issue.</p>

Bug number	Description
148912	Some VMware products support storing configuration information in VMware system files. Under some circumstances, a malicious user could instruct the virtual machine process (VMX) to store malformed data, causing an error. This error could enable a successful Denial-of-Service attack on guest operating systems. The Common Vulnerabilities and Exposures project (cve.mitre.org) assigned the name CVE-2007-1877 to this issue.
141804	Some VMware products managed memory in a way that failed to gracefully handle some general protection faults (GPFs) in Windows guest operating systems. A malicious user could use this vulnerability to crash Windows virtual machines. While this vulnerability could allow an attacker to crash a virtual machine, we do not believe it was possible to escalate privileges or escape virtual containment. The Common Vulnerabilities and Exposures project (cve.mitre.org) assigned the name CVE-2007-1069 to this issue.
152159	In a 64-bit Windows guest on a 64-bit host, debugging local programs could create system instability. Using a debugger to step into a syscall instruction may corrupt the virtual machine's register context. This corruption produces unpredictable results including corrupted stack pointers, kernel bugchecks, or vmware-vmx process failures. The Common Vulnerabilities and Exposures project (cve.mitre.org) assigned the name CVE-2007-1876 to this issue.
154114	Shared Folders is a feature that enables users of guest operating systems to access a specified set of folders in the host's file system. A vulnerability exists that could allow an attacker to write arbitrary content from a guest system to arbitrary locations on the host system. In order to exploit this vulnerability, the VMware system must have at least one folder shared. Although the Shared Folder feature is enabled by default, no folders are shared by default, which means this vulnerability is not exploitable by default. The Common Vulnerabilities and Exposures project (cve.mitre.org) assigned the name CVE-2007-1744 to this issue.
142230 27791	A problem with VMware Tools caused the guest to run out of memory.

Bugs Fixed in VMware Workstation 5.5.3

Release date: November 16, 2006

Bug number	Description
8465	This fix improves performance when a virtual machine is booting from a CD.
76609	The Copy and Paste commands do not work in Microsoft Vista Beta guests.
81629	The HGFS driver (hgfs.sys) is not properly updated when VMware Tools are upgraded.
85614	The user is unable to attach a USB flash drive to the guest when logged into a Windows host as limited non-admin.
86017	A virtual machine might crash while it is shutting down or suspending.

Bug number	Description
92443	After the guest disconnects from a USB device on a Linux host, Workstation fails to automatically reconnect the USB device to the host.
104046	After the user adds a USB controller to a Windows virtual machine on a Windows host and boots the virtual machine, the USB controller fails to initialize, with the message "A supported host USB driver not found."
108064	Windows host system crash occurs rarely on a system with SMP virtual machines or heavy network traffic, or after long periods of continuous operation
108453	When the user attempts to connect to an external Fritz!Card USB DSL/ISDN device, the virtual machine displays the message: "protocol error 1 cable not plugged in."
109199	In a virtual machine configured with USB, installation of Microsoft Windows Vista Beta 2 Build 5456 is extremely slow and hangs.
109222	In rare cases, dragging and dropping files between the Windows host and Windows guest causes high CPU usage and slows the virtual machine.
115320	When the user connects a USB memory stick to a Windows host, and then tries to connect that device to the virtual machine, it crashes. This partial fix does not make the device work, but prevents the virtual machine from crashing in this situation.
115796	In Windows guests, the automatic VMware Tools upgrade does not update driver files.
116123	When the user attempts to synch a Blackberry 7230 USB device in a virtual machine, the device continually disconnects and reconnects, with the log message: "USBG warning: setcfg(0): can't get cfg desc."
117260	In rare cases, uninstalling Workstation on a Windows XP host causes host to crash with the message: "DRIVER_UNLOADED_WITHOUT_CANCELLING_PENDING_OPERATIONS."
117529	Microsoft Windows Vista Beta build 5472 (and higher) cannot be installed in Workstation 5.5.2 virtual machines.
119891	Under specific, rare circumstances, running 16-bit DOS applications in a Windows guest causes direct execution errors in V8086 mode. This fix prevents direct execution errors that are caused by the sysenter instruction being improperly handled, and thus enables DOS applications to execute properly.
121463	In rare cases, VMwareService.exe crashes on Windows Vista Ultimate..

Bugs Fixed in VMware Workstation 5.5.2

Release date: August 3, 2006

Bug number	Description
17656	Tools never resynch time if the guest is ahead of the host.
24936	In KVM mode, the fit-guest-to-window operation loses one pixel horizontally.
26312	On Linux hosts, when a virtual machine has the mouse/keyboard focus grabbed, the screensaver/lock screen is prevented from starting.
40762	In Windows 95 guests, Japanese file names are corrupted after a drag-and-drop operation.
53156	An assert occurs when the user is taking a snapshot of a virtual machine.
55542	Windows 64 installation fails with an assert. This assert can occur in other contexts, such as when a virtual machine is resuming from hibernation.
57105	Resuming a suspended virtual machine causes the error: "NOT_IMPLEMENTED /build/mts/release/bora-11608/bora/devices/mainmem/mainMemPosix.c:370"
59391	Wildcards do not work in shared folders when accessed through the command line.
68812	Unhandled async transaction failure occurs in the VMware Player user interface.
69191	Pre-compiled tools are needed for Red Hat Enterprise Linux AS 2.1 Update 7
71018	NOT_IMPLEMENTED devices/lsilogic/lsilogic_monitor.c:893
74750	Windows 2000 Advanced Server SP4 virtual machines experience a delay at the screen "Setup is starting Windows 2000"
75196	Installing Solaris 10 is slow.
75836	Workstation should check the free space on host before upgrading a growable virtual disk.
76357	A virtual machine directory created on a network is not removed when the virtual machine is deleted. (An empty .vmem file is not deleted.)
79255	FXRSTOR doesn't restore xmm8-xmm15 in compatibility mode
80885	Running a kernel compile test in Red Hat Enterprise Linux 2.1 Update 6 virtual machines causes a MONITOR PANIC: ASSERT /mmu/mmu.c:884.
81216	Single-stepping over 64-bit SYSCALL causes panic in BT_CopyExcFrame2VCPU
82433	After patch cluster 118844-19 is applied, Solaris fails to boot in the virtual machine, with an error indicating that the CPU is too fast:
82433	Windows 2000 Advanced Server SP4 virtual machines experience a delay at the screen "Setup is starting Windows 2000"
82573	Windows 2000 Advanced Server hugememory Buslogic autoinstalls fail while waiting for the welcome_setup screen.
83254	Single stepping in a debugger can result in an assert.

Bug number	Description
84177	Workstation can crash while informing the user about a fault in the virtual machine and requesting how to proceed.
84510	Windows server 2003 checked with SP1 will not boot on Intel CPUs
86848	Virtual machine migrated with P2V assistant crashes with error; NOT_IMPLEMENTED F(700):812
87080	#GP on setting DR7 in a Windows Server 2003 x64 Edition installation.
87609	SUSE Linux Enterprise Server 9 SP3 Raw Device Mapping virtual machine does not boot after installation.
87649	Running dtrace script in a Solaris 10 guest operating system results in a monitor crash with "ASSERT bt.c:350."
88954	A malicious guest can hang a VT system with #AC loop.
89323	Windows 2000 Advanced Server hugememory Buslogic autoinstalls fail while waiting for the welcome_setup screen.
89419	Attempting to power on a virtual machine on a SUSE 10 host (kernel 2.6.13-15.7-smp) results in an incorrect assert.
89473	Workstation components vmmon and vmmemctl do not build on Linux kernel 2.6.16-rc1.
89552	Running VMware Tools script with power operations disables VMware Tools.
89941	On Red Hat Enterprise Linux 4 and SUSE Linux Enterprise Server 9 SP2 virtual machines, pressing a key once results in more than one keystroke.
90472	ASSERT vmcore/vmm64/bt/translator.c:1096
90779	ASSERT vmcore/vmm64/bt/bte1000.c:316
91168	ASSERT vmcore/decoder/decoder.c:1336
91426	Virtual machines freeze when the host is attached to a docking bay without any USB devices plugged into the bay.
91478	The host and client CD-ROM device list does not update dynamically
92139	Hosted products and VMware Tools cannot be installed on Linux kernel 2.6.16-rc2
92147	The frame buffer size for the SVGA device is different in ESX Server 3.x, VMware Server 1.0, and Workstation 5.x from the frame buffer size in ESX Server 2.x, GSX Server 3.x, and Workstation 4.x. This difference causes legacy virtual machines to fail when resumed in ESX Server 3.x, VMware Server 1.0, and Workstation 5.x.
92187	ASSERT in vmm64/bt/translator.c:1094
92610	REXX and REXB prefixes are not stripped by monitor.
92626	Running a kernel compile test in Red Hat Enterprise Linux b2.1 Update6 virtual machines causes a MONITOR PANIC: ASSERT /mmu/mmu.c:884.

Bug number	Description
93298	Attempting to install BeOS R4 results in vcpu-0:ASSERT vmcore/vmm/intr/apic.c:1684
93368	NOT_IMPLEMENTED devices/scsi/scsiDisk.c:356. This issue occurs when a virtual disk with 256 or more heads is being used.
93795	The Workstation user interface crashes at startup on some Linux distributions, including Ubuntu.
94753	Frobos tests fail (release build only) vcpu-0:VMM fault: regs=0x2b9c, exc=12, eip=0x89166
95032	vcpu-1:ASSERT vmcore/vmm/mmu/mmuInfo.c:2198
95365	Running a kernel compile on a highly over committed system results in Monitor "ASSERT /mmu/mmu.c:887."
96348	vmnet must test existence of WIRELESS_EXT before testing its value
96947	CodeMap leaks CPL0 entries to BT/CPL3
97493	Reverting to a snapshot can delete shared disk files.
97549	Virtual processor suffers from AMD erratum 109 in Solaris 10 Update 1 installation.
98744	Checkpoint operation (suspend/resume, VMotion, snapshot) of a 64-bit guest that uses SYSCALL/SYSRET causes a performance problem for the guest.
99014	ASSERT vmcore/vmm64/bt/dispatch.c:122
104456	If no browser is installed in FreeBSD, clicking Help produces no result.
105931	A prebuilt module is not available for Mandriva Linux 2006.
106488	VMware tools installation fails: vmware-config-tools.pl aborts with compilation error.
108730	vmware-user does not start automatically on SUSE 10.1.

Bugs fixed in VMware Workstation 5.5

Release date: November 23, 2005

Bug number	Description
4459	Adding a sound adapter to a Linux guest and connecting at startup increases the host volume level.
6894	Workstation terminates unexpectedly with the error message "VMware PANIC: (VMX) ASSERT FAILED devices/scsi/lisilogic.c:496."
12248	Attempting to connect to a USB MP3 player causes Workstation to hang after error message "ASSERT FAILED F(906):2225"
18979	Pressing a key once on the keyboard sometimes produces more than one keystroke in the virtual machine.
22231	Windows hgfs (Network driver V:\) capacity displays incorrect information.
25000	On Linux hosts with Windows guests, copying and pasting text from guest to host fails.
43257	Enabling administrative lockout on Windows hosts fails to lock out features in virtual network editor (Edit > Virtual Network Settings)
45876	FreeBSD guest fails to boot after legacy version of VMware Tools is upgraded.
51626	Running a USB 2.0 scanner causes a Windows XP Pro guest to terminate unexpectedly.
53823	On Linux hosts, starting Workstation fails with relocation error.
54154	In Windows 98 and Windows XP guests, some Blackberry PDAs fail when attempting to sync.
55800	In Windows 98 and Windows 98 SE guests, at the command prompt, pressing a key once on the keyboard produces more than one keystroke in the virtual machine.
56031	Command line (vmrun) option to specify team path does not work.
56178	On a Linux host with a Windows guest, non-ASCII characters in shared folder names are not correctly transformed, preventing the creation of files in shared folders.
56210	On Linux hosts, bridged networking does not work with wireless networks.
56606	On Linux hosts, after adding an IDE hard drive that uses the same disk file as ide0:0, attempting to power on produces the incorrect error message "Unable to change virtual machine state: Check for missing files failed: The snapshot files are in an inconsistent state."
58850	Deploying a virtual machine in the Windows 2003 Automated Deployment Services while using the vmxnet adapter causes the virtual machine to terminate unexpectedly.
59402	On Linux hosts, Workstation terminates unexpectedly with the error message "Unable to initialize host: memory."
59485	In a Windows guest on a Linux host, Workstation terminates unexpectedly with the error message "Caught Caught signal 6 -- pid 19342 ."

Bug number	Description
60302	In Windows XP guests, resuming or reverting to a snapshot causes Workstation to terminate unexpectedly with the error message "VMware Workstation unrecoverable error: (vmx) NOT_IMPLEMENTED"
60535	On a Windows XP Pro Japanese host with Windows XP Pro Japanese guest, selecting text from right to left causes guest to terminate unexpectedly.
61412	In a virtual machine running DOS, the system beep lasts more than six seconds.
61564	In Linux guests, vmxnet driver does not reserve pnet32 ports on morphed hardware.
61692	In a host running the Japanese version of Windows XP, the virtual machine support script (vm-support.vbs) does not work properly.
61708	Enabling administrative lockout fails to lock out features Delete from Disk, Take Snapshot, and Snapshot Manager.
62972	After installing Remote Console for Windows while Workstation for Windows is running, restarting Workstation fails with the error message "Application failure. hr = 0x80004003: (null)."
63588	On Windows hosts, Workstation does not recognize a port with a USB-to-serial converter installed.
63602	In Windows guests, after the host machine is restored from sleep mode, the virtual machine fails to boot with the error message "VMware Workstation internal monitor error."
63692	On Windows hosts, in Windows guests, reverting to a snapshot on power-off fails when the virtual machine is closed from the command line using command "vmware -q".
64180	Workstation 5.5 does not have prebuilt modules for SUSE 9.3 32-bit hosts and guests.
65671	On Windows hosts, powering on multiple Windows guests with different wireless adapters causes the virtual machines to terminate unexpectedly.
66966	On Linux hosts, pressing Ctrl-Alt-Tab causes Workstation to terminate unexpectedly.
68931	Attempting a P2V reconfiguration of a Windows 2003 SP1 system sometimes fails with the warning message "symmpi.sys not found."
69401	After establishing connection from a Windows host to a Linux host via SecureCRT + Exceed, changing to full screen mode in the guest causes the guest to terminate unexpectedly with the error message "VMware Workstation unrecoverable error: (mks) Unexpected signal: 11"
70241	On Windows hosts with Windows guests, transferring a 64-byte packet from a virtual machine to a USB device fails when transfer times out.
71351	On Windows hosts with Windows guests, attempting to connect to a USB Bluetooth adapter fails with the error message "NOT_IMPLEMENTED C:/ob/bora-15197/bora/lib/left/pollLeft.c:3314."
74198	On hosts running Red Hat Linux 9.0, in a guest running Windows 2000 Professional SP4, pressing the Enter key once in the command console produces multiple Enter commands in the virtual machine.

Bug number	Description
76563	In a virtual machine with snapshot files stored in a directory other than the default directory, attempting to create a full clone fails with the error message "A needed file was not found."
83135	On Windows XP hosts with Windows XP guests, attempting to connect to a Compaq iPAQ USB device in a Windows XP guest is unacceptably slow.