

## Command-Line Application for Operating Virtual Machines

VMware Workstation includes a separate application, vmrun, for operating teams or virtual machines from the command line. To launch the vmrun application, from the command prompt, enter:

**vmrun COMMAND [OPTION].**

Before using the vmrun command on a Windows host, you must do one of the following:

- Change your working directory to the VMware Workstation directory. The default location is:  
C:\Program Files\VMware\VMware Workstation
- Add the VMware Workstation directory to the system path. On Windows 2000 and XP, you can change this setting at  
Control Panel\System>Advanced>Environment Variables>System variables>Path

Valid vmrun commands and options are described in Table A-2.

If authentication is required in the guest operating system, use the following authentication flags, as appropriate:

-gu <userName in guest OS>

-gp <password in guest OS>

**Table A-2. vmrun Commands and Parameters**

Command	Description	Parameters
<b>General Commands</b>		
list	List all running virtual machines.	None
upgradevm	Upgrade a virtual machine to the current Workstation version.	[Path to .vmx file]
installtools	Install VMware Tools in the guest operating system. In Windows guests, the VMware Tools installer runs automatically. In Linux guests, this command connects the virtual machine's virtual CD-ROM drive to the VMware Tools ISO image for that guest, but the installer does not start automatically. Complete the installation with additional manual steps, as described in <a href="#">Installing VMware Tools on a Linux Guest</a> .	[Path to .vmx file]
<b>Power Commands</b>		
start	Start a virtual machine (.vmx file) or team (.vmtm file).	[Path to .vmx or .vmtm file]
stop	Stop a virtual machine (.vmx file) or team (.vmtm file).	[Path to .vmx or .vmtm file] [hard soft]
reset	Reset a virtual machine (.vmx file) or team (.vmtm file).	[Path to .vmx or .vmtm file] [hard soft]
suspend	Suspend a virtual machine (.vmx file) or team (.vmtm file).	[Path to .vmx or .vmtm file] [hard soft]
<b>Snapshot Commands</b>		

snapshot	Create a snapshot of a virtual machine.	[Path to .vmx file] [snapshot name]
listSnapshots	List all snapshots in a virtual machine.	[Path to .vmx file]
deleteSnapshot	Remove a snapshot from a virtual machine.	[Path to .vmx file] [snapshot name]
revertToSnapshot	<p>Go to a snapshot in a virtual machine.</p> <p>If a snapshot has a unique name within a virtual machine, revert to that snapshot by specifying the path to the virtual machine's configuration file and the snapshot name: [Path to .vmx file][snapshot name]</p> <p>If several snapshots have the same name, you can still specify a snapshot by including a "path name" for the snapshot name. A path name is a series of snapshot names, separated by forward slash characters ( / ). Each name specifies a different snapshot in the tree.</p> <p>For example, suppose you include the path name Snap1/Snap2. This will identify a snapshot named Snap2 that was taken from the state of a root snapshot named Snap1. Because you can use the forward slash in a path name, VMware recommends that you avoid using the slash character when you name a snapshot because this makes it difficult for you to predict which snapshot a path name will identify.</p>	[Path to .vmx file] [snapshot name] or [Path to .vmx file] [snapshot name1/ snapshot name2]

### Guest Operating System Commands

runProgramInGuest	Run a program in the guest operating system.	[Path to .vmx file] [Program [Program arguments]]
fileExistsInGuest	Check whether the specified file exists in the guest system.	[Path to .vmx file] [Path to file in guest]
setSharedFolderState	Modify the location of a folder shared between the host and guest.	[Path to .vmx file] [Share name] [New path to folder on host]
addSharedFolder	Add a folder to be shared between the host and guest.	[Path to .vmx file] [Share name] [Path to folder on host]
removeSharedFolder	Remove a folder shared between the host and guest.	[Path to .vmx file] [Share name]
listProcessesInGuest	List the processes running in the guest operating system.	[Path to .vmx file]
killProcessInGuest	Kill the specified process on the guest operating system.	[Path to .vmx file] [Process ID]
runScriptInGuest	Run a script in the guest operating system.	[Path to .vmx file]

		[Interpreter path script text]
deleteFileInGuest	Delete a file from the guest operating system.	[Path to .vmx file] [Path to file on the guest]
createDirectoryInGuest	Create a directory in the guest operating system.	[Path to .vmx file] [Directory path on the guest]
deleteDirectoryInGuest	Delete a directory from the guest operating system.	[Path to .vmx file] [Directory path on the guest]
listDirectoryInGuest	List the contents of a directory in the guest operating system.	[Path to .vmx file] [Directory path on the guest]
copyFileFromHostToGuest	Copy a file from the host to the guest operating system.	[Path to .vmx file] [File path on the host] [File path on the guest]
copyFileFromGuestToHost	Copy a file from the guest operating system to the host.	[Path to .vmx file] [File path on the guest] [File path on the host]
renameFileInGuest	Rename a file in the guest operating system.	[Path to .vmx file] [Original file name] [New file name]