Using vmrun to Control Virtual Machines

For VMware Workstation 6.5 and VMware Server 2.0
About This Book

This manual, Using vmrun to Control Virtual Machines, introduces the vmrun command, a convenient command to help you manage the collection of virtual machines on a VMware® host.

Revision History

This book is revised with each release of the product or when necessary. A revised version can contain minor or major changes. Table 1 summarizes the significant changes in each version of this guide.

<table>
<thead>
<tr>
<th>Revision</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>20080623</td>
<td>First draft of this manual for the VMware Server 2.0 RC1 and Workstation 6.5 Beta2 releases.</td>
</tr>
<tr>
<td>20080815</td>
<td>Third draft for the VMware Server 2.0 RC2 and Workstation 6.5 RC releases.</td>
</tr>
</tbody>
</table>

Intended Audience

This book is intended for developers and system administrators who want to control virtual machines on various platforms, including VMware Workstation, VMware Fusion, and VMware Server.

API and SDK Documentation

VMware provides many different products targeting different developer communities and platforms. For the most up-to-date information about API and SDK products, this is the place to go:

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Using vmrun to Control Virtual Machines

VMware provides an application called *vmrun* for controlling virtual machines, or teams of virtual machines, from the command line. The *vmrun* command is available on any VMware product that includes the VIX API libraries, or when the libraries are separately installed. This chapter contains the following sections:

- “About the *vmrun* Command,” below.
- “Using *vmrun* on Windows” on page 6
- “Using *vmrun* on Linux” on page 6.
- “Virtual Machine Run Flags” on page 7.
- “Virtual Machine Run Commands” on page 7.
- “Examples of Using *vmrun*” on page 11.

**About the *vmrun* Command**

The *vmrun* command manipulates virtual machines and runs on any VMware platform where you can install the VIX libraries, including VMware Workstation and VMware Server. For information about the facilities that *vmrun* controls, see the documentation for your product, such as the User’s Manual.

This document organizes *vmrun* commands into the six following categories.

**Power Commands**

Virtual machine power operations give you these options: start (power on), stop (power off), reset (reboot), suspend (but allow local work to resume), pause (without interrupting), and unpause (continue).

On some products, you can group virtual machines into teams, so power operations apply to the whole team.

**Snapshot Commands**

A snapshot reproduces virtual machine state at the time of the snapshot, including all data on virtual disks. You can snapshot a virtual machine as you choose, in any power state, and revert to the snapshot at any time. Snapshots are useful for experimentation, and especially useful for backups.

These commands list existing snapshots of a virtual machine, create a new snapshot, delete a snapshot, and revert a virtual machine to its state as of a specific snapshot. VMware Server limits you to one snapshot.

**Record and Replay Commands**

Virtual machine events can be recorded for later replay. The recording is called a snapshot object, but is really more like a movie. At this time, only VMware Workstation supports record and replay.

These commands begin or end the recording of events, and begin or end the replay of a recording.
Using vmrun to Control Virtual Machines

Guest Operating System Commands

These are the most distinctive and useful interfaces in the vmrun command. You can:

- Run an executable program in the guest operating system, or run an interpreted script. These interfaces serve a similar purpose, but runProgramInGuest provides more fine-grained control.
- Check if a file exists in the guest, delete a file, rename a file, list files, and create or delete a directory.
- Copy a file from the host to the guest, or copy a file from the guest to the host.
- Add a shared folder from the host, make a shared folder writable in the guest, remove a shared folder, or capture a screen image from the guest (except on VMware Server).
- List the processes running in the guest operating system, or terminate any process (with permission).
- Read or write a variable into the guest operating system’s environment or virtual machine state.

General Commands

This catch-all category includes commands to list all running virtual machines, upgrade the virtual machine hardware version, and install VMware Tools on the guest.

Additionally, except on VMware Server you can clone any virtual machine image to another virtual machine.

VMware Server allows you to register and unregister virtual machines.

VProbes Commands

These commands support VProbes, a facility for dynamically and statically instrumenting portions of VMware software and a running guest operating system. See the VProbes Programming Reference for details.

Using vmrun on Windows

To use the vmrun command on a Windows system:

1. Locate the vmrun program, which by default is installed here:
   
   C:\Program Files\VMware\VMware VIX

2. Add the install location to your system path. On Windows XP for example, choose:
   
   Computer > Properties > Advanced > Environment Variables > System variables > Path > Edit
   
   Using the right arrow key, move the input pointer to the end of line, add a semicolon, the software location path (as in step 1) and click OK several times.

   If VMware Workstation is already in Path, this step is optional because another vmrun is installed there.

3. In a command window, type the vmrun command in the following form
   
   vmrun <flags> <command> <parameters>


Using vmrun on Linux

To use the vmrun command on a UNIX system:

1. (Optional) As root or superuser, edit the /etc/ld.so.conf file, add a line with the library location default directory below, save the file, and run the ldconfig command.
   
   /usr/lib/vmware-vix/lib

2. In a command or terminal window, type the vmrun command in the following form
   
   vmrun <flags> <command> <parameters>

Virtual Machine Run Flags

On VMware Workstation, vmrun controls guest operating systems on the local host, so you need not specify a remote host name or port. Possibly no flags are required.

In the syntax examples below, flags enclosed in angle brackets indicate variables that you fill in.

For commands that require authentication by the guest operating system, the command description states “valid guest login” required, in which case you must use the following flags:

- gu <userName in guest OS>
- gp <userPassword in guest OS>

To set the host type for remote access to VMware Server 2.0, use the following flags in conjunction:

- T server
- h <hostName>
- P <portNumber>
- u <adminLogin on Server>
- p <adminPassword on Server>

For example, this command lists all running virtual machines on a remote server:

```
vmrun -T server -h https://example.com/sdk -u root -p secretpw list
```

For VMware Workstation, use the -T flag as follows:

```
vmrun -T ws
```

For VMware Server 1.0, use the -T flag as follows:

```
vmrun -T server1
```

NOTE On VMware Workstation, starting a virtual machine with the default gui option requires a window system to be running on the host. VMware Server does not impose this requirement.

VMware Server does not support teams, shared folders, cloning, record and replay, or multiple snapshots. When you try to create a second snapshot, the UI asks if you want to overwrite your existing snapshot.

Virtual Machine Run Commands

VMware stores virtual machines as a package including the virtual machine settings file (<vmname>.vmx) and the virtual disks. When required, you must give vmrun the complete path to the .vmx file. Here are some examples of where the .vmx file might be located:

- On Windows
  - path on VMware Workstation:
    C:\Documents and Settings\<username>\My Documents\My Virtual Machines\Win XP\Win XP.vmx
  - data store on VMware Server:
    [storage1]Win XP/Win XP.vmx

- On Linux
  - path on VMware Workstation:
    /home/<username>/VirtualMachines/Ubuntu/Ubuntu.vmx
  - data store on VMware Server:
    [storage1]Win XP/Win XP.vmx

All the vmrun commands and parameters are grouped and documented in Table 2. Parameters are listed one per line. Parameters enclosed in square brackets are optional. The vertical bar indicates a keyword choice.
Using vmrun to Control Virtual Machines

**Table 2. vmrun Commands and Parameters**

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
<th>Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power Commands</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>start</td>
<td>Start a virtual machine (.vmx file) or team (.vmtm file). The default gui option starts interactively, which is required to display a Workstation user interface. The nogui option suppresses the user interface, including startup dialog box, to allow non-interactive scripting.</td>
<td>&lt;path to .vmx or .vmtm file&gt; [gui</td>
</tr>
<tr>
<td>stop</td>
<td>Stop a virtual machine (.vmx file) or team (.vmtm file). Use the soft parameter to power off the guest after running shutdown scripts. Use the hard parameter to power off the guest without running scripts, as if you pressed the power button. The default is to stop using the powerType specified in the .vmx file, if present.</td>
<td>&lt;path to .vmx or .vmtm file&gt; [hard</td>
</tr>
<tr>
<td>reset</td>
<td>Reset a virtual machine (.vmx file) or team (.vmtm file). Use the soft parameter to run shutdown scripts before rebooting the guest. Use the hard parameter to reboot the guest without running scripts, as if you pressed the reset button. The default is to reset using the powerType specified in the .vmx file, if present.</td>
<td>&lt;path to .vmx or .vmtm file&gt; [hard</td>
</tr>
<tr>
<td>suspend</td>
<td>Suspend a virtual machine (.vmx file) or team (.vmtm) without shutting down, so local work can resume later. The soft parameter suspends the guest after running system scripts. On Windows guests, these scripts release the IP address, while on UNIX guests they suspend networking. The hard parameter suspends the guest without running these scripts. The default is to suspend using powerType specified in the .vmx file, if present. To resume virtual machine operation after suspend, use the start command. On Windows the IP address is retrieved and on Linux networking is restarted.</td>
<td>&lt;path to .vmx or .vmtm file&gt; [hard</td>
</tr>
<tr>
<td>pause</td>
<td>Pause a virtual machine (.vmx file). This is used to pause replay, but can be used in other contexts.</td>
<td>&lt;path to .vmx file&gt;</td>
</tr>
<tr>
<td>unpause</td>
<td>Unpause a virtual machine (.vmx file) and resume operation where it paused.</td>
<td>&lt;path to .vmx file&gt;</td>
</tr>
<tr>
<td><strong>Snapshot Commands</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>listSnapshots</td>
<td>List all snapshots in a virtual machine (.vmx file).</td>
<td>&lt;path to .vmx file&gt;</td>
</tr>
<tr>
<td>snapshot</td>
<td>Create a snapshot of a virtual machine (.vmx file). For products such as Workstation that support multiple snapshots, you must provide the snapshot name. Because the forward slash defines path names, VMware recommends that you avoid using the slash character when naming a snapshot, because that makes it difficult to specify the snapshot path precisely.</td>
<td>&lt;path to .vmx file&gt; [snapshot name&gt;</td>
</tr>
<tr>
<td>deleteSnapshot</td>
<td>Remove a snapshot from a virtual machine (.vmx file). For products such as Workstation that support multiple snapshots, you must provide the snapshot name. The virtual machine must be powered off or suspended. If this snapshot has children, they become children of the deleted snapshot's parent and subsequent snapshots continue as before from the end of chain.</td>
<td>&lt;path to .vmx file&gt; [snapshot name&gt;</td>
</tr>
</tbody>
</table>
### Table 2. vmrun Commands and Parameters (Continued)

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<tbody>
<tr>
<td><strong>revertToSnapshot</strong> (VMware Server always reverts to the root snapshot.)</td>
<td>Set the virtual machine state to a snapshot. 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 (first group of parameters). If several snapshots have the same name, you can still specify the 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. For example, the path name Snap1/Snap2 identifies a snapshot named Snap2 that was taken from the state of a root snapshot named Snap1.</td>
<td><code>&lt;path to .vmx file&gt;</code> &lt;snapshot name&gt; or <code>&lt;path to .vmx file&gt;</code> <code>&lt;snap1/snap2/snapN&gt;</code></td>
</tr>
<tr>
<td><strong>beginRecording</strong> (Recording not supported on VMware Server.)</td>
<td>Begin recording a running virtual machine (.vmx file), storing activity in the specified snapshot object, with optional description. Only one recording or replay can be active at a time.</td>
<td><code>&lt;path to .vmx file&gt;</code> &lt;snapshot object name&gt; [description]</td>
</tr>
<tr>
<td><strong>endRecording</strong></td>
<td>End the recording of a virtual machine (.vmx file) that is in progress, and close its snapshot object.</td>
<td><code>&lt;path to .vmx file&gt;</code></td>
</tr>
<tr>
<td><strong>beginReplay</strong> (Replay not supported on VMware Server.)</td>
<td>Begin replaying the recorded activity of a powered off virtual machine (.vmx file) from a snapshot object. Only one recording or replay can be active at a time.</td>
<td><code>&lt;path to .vmx file&gt;</code> &lt;snapshot object name&gt;</td>
</tr>
<tr>
<td><strong>endReplay</strong></td>
<td>End the replaying of a virtual machine (.vmx file) that is currently underway.</td>
<td><code>&lt;path to .vmx file&gt;</code></td>
</tr>
<tr>
<td><strong>runProgramInGuest</strong></td>
<td>Run a program in the guest operating system. Provide the full path name of a program accessible to the guest. VMware Tools and valid guest login are required. Also provide full accessible path names for any files specified in the program arguments. The -noWait option means to return immediately after the program starts in the guest, rather than waiting for it to finish. This is useful for interactive programs. The -activeWindow flag ensures that the Windows GUI is visible, not minimized. It has no effect on Linux. The -interactive flag forces interactive guest login and is useful for Windows Vista guests, to make the program visible in the console window.</td>
<td><code>&lt;path to .vmx file&gt;</code> [-noWait] [-activeWindow] [-interactive] &lt;program name&gt; [program arguments]&gt;</td>
</tr>
<tr>
<td><strong>fileExistsInGuest</strong></td>
<td>Check whether the specified file exists in the guest operating system. VMware Tools and valid guest login are required.</td>
<td><code>&lt;path to .vmx file&gt;</code> <code>&lt;path to file in guest&gt;</code></td>
</tr>
<tr>
<td><strong>setSharedFolderState</strong> (VMware Server does not support shared folders.)</td>
<td>Modify the writeability state of a folder shared between the host and a guest virtual machine (.vmx file). The share name is a mount point in the guest file system. The path to folder is the exported directory on the host. A shared folder can be made writable or read-only.</td>
<td><code>&lt;path to .vmx file&gt;</code> <code>&lt;share name&gt;</code> <code>&lt;path to folder on host&gt;</code> writable</td>
</tr>
<tr>
<td><strong>addSharedFolder</strong> (VMware Server does not support shared folders.)</td>
<td>Add a folder to be shared between the host and guest. The share name is a mount point in the guest file system. The path to folder is the exported directory on the host.</td>
<td><code>&lt;path to .vmx file&gt;</code> <code>&lt;share name&gt;</code> <code>&lt;path to folder on host&gt;</code></td>
</tr>
<tr>
<td><strong>removeSharedFolder</strong> (VMware Server does not support shared folders.)</td>
<td>Remove a guest virtual machine's access to a shared folder on the host. The share name is a mount point in the guest file system.</td>
<td><code>&lt;path to .vmx file&gt;</code> <code>&lt;share name&gt;</code></td>
</tr>
<tr>
<td><strong>listProcessesInGuest</strong></td>
<td>List all processes running in the guest operating system. VMware Tools and valid guest login are required.</td>
<td><code>&lt;path to .vmx file&gt;</code></td>
</tr>
</tbody>
</table>
### Table 2. vmrun Commands and Parameters (Continued)

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<thead>
<tr>
<th>Command</th>
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<th>Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>killProcessInGuest</td>
<td>Stop the specified process in the guest operating system. VMware Tools and valid guest login are required. Take process ID from the number listed after pid in the output of listProcessesInGuest.</td>
<td>&lt;path to .vmx file&gt; &lt;process ID&gt;</td>
</tr>
<tr>
<td>runScriptInGuest</td>
<td>Run a command script in the guest operating system. VMware Tools and valid guest login are required. The interpreter path is the command that run the script. Give the complete text of the script, not a filename.</td>
<td>&lt;path to .vmx file&gt; &lt;interpreter path&gt; &lt;script text&gt;</td>
</tr>
<tr>
<td>deleteFileInGuest</td>
<td>Delete the specified file from the guest operating system. VMware Tools and valid guest login are required.</td>
<td>&lt;path to .vmx file&gt; &lt;path to file on guest&gt;</td>
</tr>
<tr>
<td>createDirectoryInGuest</td>
<td>Create specified directory in the guest operating system. VMware Tools and valid guest login are required.</td>
<td>&lt;path to .vmx file&gt; &lt;directory path on guest&gt;</td>
</tr>
<tr>
<td>deleteDirectoryInGuest</td>
<td>Delete a directory from the guest operating system. VMware Tools and valid guest login are required.</td>
<td>&lt;path to .vmx file&gt; &lt;directory path on guest&gt;</td>
</tr>
<tr>
<td>listDirectoryInGuest</td>
<td>List directory contents in the guest operating system. VMware Tools and valid guest login are required.</td>
<td>&lt;path to .vmx file&gt; &lt;directory path on guest&gt;</td>
</tr>
<tr>
<td>copyFileFromHostToGuest</td>
<td>Copy a file from the host to the guest operating system. VMware Tools and valid guest login are required. Specify source file (host) before destination file (guest).</td>
<td>&lt;path to .vmx file&gt; &lt;file path on host&gt; &lt;file path in guest&gt;</td>
</tr>
<tr>
<td>copyFileFromGuestToHost</td>
<td>Copy a file from the guest operating system to the host. VMware Tools and valid guest login are required. Specify source file (guest) before destination file (host).</td>
<td>&lt;path to .vmx file&gt; &lt;file path in guest&gt; &lt;file path on host&gt;</td>
</tr>
<tr>
<td>renameFileInGuest</td>
<td>Rename or move a file in the guest operating system. VMware Tools and valid guest login are required. Specify source name (original) before destination (new).</td>
<td>&lt;path to .vmx file&gt; &lt;original filename&gt; &lt;new filename&gt;</td>
</tr>
<tr>
<td>captureScreen</td>
<td>Capture the screen of the virtual machine to a local file. The specified output file on the host is in PNG format. A valid guest login is required.</td>
<td>&lt;path to .vmx file&gt; &lt;output path on host&gt;</td>
</tr>
<tr>
<td>writeVariable</td>
<td>Write a variable into the virtual machine state or guest. You can set either runtime configuration in the .vmx file, or environment variables in the guest operating system. The latter requires VMware Tools and valid guest login. Provide the variable name and its value.</td>
<td>&lt;path to .vmx file&gt; [runtimeConfig</td>
</tr>
<tr>
<td>readVariable</td>
<td>Read a variable from the virtual machine state or guest. You can get either runtime configuration in the .vmx file, or environment variables in the guest operating system. The latter requires valid guest login.</td>
<td>&lt;path to .vmx file&gt; [runtimeConfig</td>
</tr>
</tbody>
</table>

### General Commands

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
<th>Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>list</td>
<td>List all running virtual machines.</td>
<td>None</td>
</tr>
<tr>
<td>upgradevm</td>
<td>Upgrade a virtual machine to the current version of virtual hardware. Has no effect if already current.</td>
<td>&lt;path to .vmx file&gt;</td>
</tr>
<tr>
<td>installtools</td>
<td>Prepare to install VMware Tools in the guest operating system. In Windows guests with autorun enabled, the VMware Tools installer starts by itself. In Linux guests without autorun, this command connects the virtual CD-ROM drive to the VMware Tools ISO image suitable for the guest, but the installer does not start, so you must complete the installation with additional manual steps, as described in your product documentation.</td>
<td>&lt;path to .vmx file&gt;</td>
</tr>
</tbody>
</table>
Table 2. vmrun Commands and Parameters (Continued)

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<thead>
<tr>
<th>Command</th>
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</tr>
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<tbody>
<tr>
<td>register</td>
<td>Register a virtual machine (.vmx file), adding it to the host's inventory. Path format depends on the product. For VMware Server 2.0, “[storage1]vm/vm.vmx” (starting with data store) is typical.</td>
<td>&lt;path to .vmx file&gt;</td>
</tr>
<tr>
<td>unregister</td>
<td>Unregister a virtual machine (.vmx file), removing it from the host's inventory. Path format depends on the product. For Server 2.0, “[storage1]vm/vm.vmx” (starting with data store) is typical.</td>
<td>&lt;path to .vmx file&gt;</td>
</tr>
<tr>
<td>clone</td>
<td>Create a copy of the virtual machine and guest operating system. Provide the source .vmx file path name, and the destination .vmx file path name. You can create either a normal full clone, or a linked clone. If you want to make the clone from this snapshot, rather than from the current virtual machine state, specify a snapshot name.</td>
<td>&lt;path to .vmx file&gt;</td>
</tr>
<tr>
<td>vprobeVersion</td>
<td>Show VProbes version.</td>
<td>&lt;path to .vmx file&gt;</td>
</tr>
<tr>
<td>vprobeLoad</td>
<td>Load VProbes script.</td>
<td>&lt;path to .vmx file&gt;</td>
</tr>
<tr>
<td>vprobeReset</td>
<td>Disable all VProbes.</td>
<td>&lt;path to .vmx file&gt;</td>
</tr>
<tr>
<td>vprobeListProbes</td>
<td>List active VProbes.</td>
<td>&lt;path to .vmx file&gt;</td>
</tr>
<tr>
<td>vprobeListGlobals</td>
<td>List VProbes global variables.</td>
<td>&lt;path to .vmx file&gt;</td>
</tr>
</tbody>
</table>

VProbes Commands

(VMware Server does not support VProbes.)

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<td>Show VProbes version.</td>
<td>&lt;path to .vmx file&gt;</td>
</tr>
<tr>
<td>vprobeLoad</td>
<td>Load VProbes script.</td>
<td>&lt;path to .vmx file&gt;</td>
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<td>vprobeReset</td>
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<td>vprobeListProbes</td>
<td>List active VProbes.</td>
<td>&lt;path to .vmx file&gt;</td>
</tr>
<tr>
<td>vprobeListGlobals</td>
<td>List VProbes global variables.</td>
<td>&lt;path to .vmx file&gt;</td>
</tr>
</tbody>
</table>

Examples of Using vmrun

Most examples work on any either VMware Workstation. The –T ws and –T fusion options are synonymous. You can derive the guest operating system type in examples by distinguishing / for Linux and \ for Windows.

New Examples

Start an X terminal on a Linux guest (requires –display option to appear on the console):

```
vmmrun -gu <user> -gp <password> runProgramInGuest Ubuntu/Ubuntu.vmx /usr/bin/xterm "-display :0"
```

List processes in a Linux guest on Workstation, and kill the process numbered 20001:

```
vmmrun -T ws -gu guestUser -gp guestPassword listProcessesInGuest Ubuntu/Ubuntu.vmx
vmmrun -T ws -gu guestUser -gp guestPassword killProcessesInGuest Ubuntu/Ubuntu.vmx 20001
```

Run a batch script on a Windows guest using Workstation:

```
vmmrun -T ws -gu guestUser -gp guestPassword runProgramInGuest WinXP.vmx "C:\Workarea\script.bat"
```

Run a command script on a Windows guest using Workstation:

```
vmmrun -T ws -gu guestUser -gp guestPassword runProgramInGuest WinXP.vmx C:\Windows\System32\cmd.exe "/c C:\Workarea\script.cmd"
```

Run a Perl script in a Linux guest to remove DOS-style carriage returns from a file:

```
vmmrun -T ws -gu guestUser -gp guestPassword runScriptInGuest Linux.vmx "/usr/bin/perl -pi" "open(DOS, '/tmp/dos.txt'); while (<DOS>) { s/\r\n/\n/; print <DOS>}"
```

Run a Perl script in a Windows guest to insert DOS-style carriage returns into a file:

```
vmmrun -T ws -gu guestUser -gp guestPassword runScriptInGuest WinXP.vmx "C:\cygwin\bin\perl.exe -pi" "open(UNIX, 'C:\Temp/unix.txt'); while (<UNIX>) { s/\n/\r\n/; print <UNIX>}"
```
Examples From the Usage Message

Start a virtual machine with VMware Workstation on a Windows host:

```
vmmrun -T ws start "c:\my VMs\myVM.vmx"
```

Stop a virtual machine with Server on a Linux host:

```
vmmrun -T server -h https://myHost.com/sdk -u hostUser -p hostPasswd stop "[storage1] vm/myVM.vmx"
```

Run a program in a virtual machine with a Windows host with a Windows guest:

```
vmmrun -T ws -gu guestUser -gp guestPassword runProgramInGuest "c:\my VMs\myVM.vmx"
"c:\Program Files\myProgram.exe"
```

Run a program in a virtual machine with VMware Server on a Linux host with a Linux guest:

```
vmmrun -T server -h https://myHost.com/sdk -u hostUser -p hostPasswd -gu guestUser -gp guestPasswd runProgramInGuest "[storage1] vm/myVM.vmx" /usr/bin/X11/xclock -display :0
```

Create a snapshot of a virtual machine with VMware Workstation on a Windows host:

```
vmmrun -T ws snapshot "c:\my VMs\myVM.vmx" mySnapshot
```

Revert to a snapshot with VMware Workstation on a Windows host:

```
vmmrun -T ws revertToSnapshot "c:\my VMs\myVM.vmx" mySnapshot
```

Delete a snapshot with VMware Workstation on a Windows host:

```
vmmrun -T ws deleteSnapshot "c:\my VMs\myVM.vmx" mySnapshot "C:\Program Files\VMware\VMware Workstation"
```

Examples from Workstation Manual

Reset a virtual machine on Linux:

```
vmmrun reset /usr/local/VMs/<virtual_machine_name>.vmx soft
```

Reset a virtual machine on Windows:

```
vmmrun reset C:\Virtual Machines\<virtual_machine_name>.vmx soft
```

Disabling Dialog Boxes

With virtual machines that require input through a VMware Workstation dialog box, the vmmrun command might time out and fail. To disable Workstation dialog boxes, insert the following line into the configuration file (.vmx) for a virtual machine:

```
msg.autoAnswer = TRUE
```