

Using VMware WS Pro - the vmrun CLI

vmrun version 1.17.0 build-7528167

Usage: **vmrun** [AUTHENTICATION-FLAGS] **COMMAND** [PARAMETERS]

AUTHENTICATION-FLAGS

These must appear before the command and any command parameters.

- **-T** <hostType> (ws|fusion|player)
- **-vp** <password for encrypted virtual machine>
- **-gu** <userName in guest OS>
- **-gp** <password in guest OS>

POWER COMMANDS	PARAMETERS	DESCRIPTION
start	Path to vmx file [gui nogui]	Start a VM or Team
stop	Path to vmx file [hard soft]	Stop a VM or Team
reset	Path to vmx file [hard soft]	Reset a VM or Team
suspend	Path to vmx file [hard soft]	Suspend a VM or Team
pause	Path to vmx file	Pause a VM
unpause	Path to vmx file	Unpause a VM

SNAPSHOT COMMANDS	PARAMETERS	DESCRIPTION
listSnapshots	Path to vmx file [showTree]	List all snapshots in a VM
snapshot	Path to vmx file Snapshot name	Create a snapshot of a VM
deleteSnapshot	Path to vmx file Snapshot name [andDeleteChildren]	Remove a snapshot from a VM
revertToSnapshot	Path to vmx file Snapshot name	Set VM state to a snapshot

GUEST OS COMMANDS	PARAMETERS	DESCRIPTION
runProgramInGuest	Path to vmx file [-noWait] [-activeWindow] [-interactive] Complete-Path-To-Program [Program arguments]	Run a program in Guest OS
fileExistsInGuest	Path to vmx file Path to file in guest	Check if a file exists in Guest OS
directoryExistsInGuest	Path to vmx file Path to directory in guest	Check if a directory exists in Guest OS
setSharedFolderState	Path to vmx file Share name Host path writable readonly	Modify a Host-Guest shared folder
addSharedFolder	Path to vmx file Share name New host path	Add a Host-Guest shared folder
removeSharedFolder	Path to vmx file Share name	Remove a Host-Guest shared folder

GUEST OS COMMANDS	PARAMETERS	DESCRIPTION
enableSharedFolders	Path to vmx file [runtime]	Enable shared folders in Guest
disableSharedFolders	Path to vmx file [runtime]	Disable shared folders in Guest
listProcessesInGuest	Path to vmx file	List running processes in Guest OS
killProcessInGuest	Path to vmx file process id	Kill a process in Guest OS
runScriptInGuest	Path to vmx file [-noWait] [-activeWindow] [-interactive] Interpreter path Script text	Run a script in Guest OS
deleteFileInGuest	Path to vmx file Path in guest	Delete a file in Guest OS
createDirectoryInGuest	Path to vmx file Directory path in guest	Create a directory in Guest OS
deleteDirectoryInGuest	Path to vmx file Directory path in guest	Delete a directory in Guest OS
CreateTempfileInGuest	Path to vmx file	Create a temporary file in Guest OS
listDirectoryInGuest	Path to vmx file Directory path in guest	List a directory in Guest OS
CopyFileFromHostToGuest	Path to vmx file Path on host Path in guest	Copy a file from host OS to guest OS
CopyFileFromGuestToHost	Path to vmx file Path in guest Path on host	Copy a file from guest OS to host OS
renameFileInGuest	Path to vmx file Original name New name	Rename a file in Guest OS
typeKeystrokesInGuest	Path to vmx file keystroke string	Type Keystrokes in Guest OS
connectNamedDevice	Path to vmx file device name	Connect the named device in the Guest OS
disconnectNamedDevice	Path to vmx file device name	Disconnect the named device in the Guest OS
captureScreen	Path to vmx file Path on host	Capture the screen of the VM to a local file
writeVariable	Path to vmx file [runtimeConfig guestEnv guestVar] variable name variable value	Write a variable in the VM state
readVariable	Path to vmx file [runtimeConfig guestEnv guestVar] variable name	Read a variable in the VM state
getGuestIPAddress	Path to vmx file [-wait]	Gets the IP address of the guest

GENERAL COMMANDS	PARAMETERS	DESCRIPTION
list	List all running VMs	
upgradevm	Path to vmx file	Upgrade VM file format, virtual hw
installTools	Path to vmx file	Install Tools in Guest
checkToolsState	Path to vmx file	Check the current Tools state

GENERAL COMMANDS	PARAMETERS	DESCRIPTION
deleteVM	Path to vmx file	Delete a VM
clone	Path to vmx file	Create a copy of the VM
	Path to destination vmx file full linked [-snapshot=Snapshot Name] [-cloneName=Name]	

Template VM COMMANDS	PARAMETERS	DESCRIPTION
downloadPhotonVM	Path for new VM	Download Photon VM

Examples:

- Starting a virtual machine with Workstation on a Windows host

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

- Running a program in a virtual machine with Workstation on a Windows host with Windows guest

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

- Creating a snapshot of a virtual machine with Workstation on a Windows host

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

- Reverting to a snapshot with Workstation on a Windows host

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

- Deleting a snapshot with Workstation on a Windows host

```
vmrun -T ws deleteSnapshot "c:\my VMs\myVM.vmx" mySnapshot
```

- Enabling Shared Folders with Workstation on a Windows host

```
vmrun -T ws enableSharedFolders "c:\my VMs\myVM.vmx"
```