

# vmware

**Library scope:** global  
**Named arguments:** supported

## Introduction

provides function for VMware ESXI

Although this module provides some keywords for interact with the console (WebConsole), they only support very primitive actions. Do not use this to accomplish complex tasks. Instead, using VChannel through a SSH/Telnet channel.

## Shortcuts

**Capture Mks Screenshot** · **Click Mks** · **Get Mks Ticket** · **Get Vm Id** · **Get Vm List** · **Get Vm Power State** · **Open Console** · **Power Off** · **Power On** · **Reset Capture Counter** · **Send Mks Cmd** · **Send Mks Key** · **Send Mks Keys** · **Set Capture Format**

## Keywords

Keyword	Arguments	Documentation																														
<b>Capture Mks Screenshot</b>	<i>self</i> , <i>filename=None</i> , <i>extra=</i>	<p>Captures the current web console to <i>filename</i></p> <p>If <i>filename</i> is <code>None</code>, the captured filename will be decided by the current <code>format</code> with an auto-increment counter and a <code>extra</code> at the end.</p> <p>Example:</p> <table><tr><td><code>Hypervisor.Capture MKS Screenshot</code></td><td><code># will create a file console_0000000001.png</code></td><td></td></tr><tr><td><code>Hypervisor.Capture MKS Screenshot</code></td><td><code>xxx.png</code></td><td><code># will create a file xxx.png</code></td></tr><tr><td><code>Hypervisor.Capture MKS Screenshot</code></td><td><code># will create a file console_0000000002.png</code></td><td></td></tr></table>	<code>Hypervisor.Capture MKS Screenshot</code>	<code># will create a file console_0000000001.png</code>		<code>Hypervisor.Capture MKS Screenshot</code>	<code>xxx.png</code>	<code># will create a file xxx.png</code>	<code>Hypervisor.Capture MKS Screenshot</code>	<code># will create a file console_0000000002.png</code>																						
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<b>Click Mks</b>	<i>self</i> , <i>xoffset</i> , <i>yoffset</i>	<p>Click on the MKS console at <i>xoffset,yoffset</i> coordinate</p> <p><b>Notes:</b> The coordinate (0,0) is at the left corner of the console screen</p>																														
<b>Get Mks Ticket</b>	<i>self</i> , <i>vm_name</i>	Returns a MSK ticket for WebConsole																														
<b>Get Vm Id</b>	<i>self</i> , <i>vm_name</i>	Returns a VMID of a VM																														
<b>Get Vm List</b>	<i>self</i>	Returns current VM name list of the hypervisor																														
<b>Get Vm Power State</b>	<i>self</i> , <i>vm_name</i>	<p>Get vm power status</p> <p>Return <code>on</code> or <code>off</code></p>																														
<b>Open Console</b>	<i>self</i> , <i>vm_name</i> , <i>width=None</i> , <i>height=None</i>	<p>Opens a web console for a VM <i>vm_name</i></p> <p>Returns the <i>width</i> and <i>height</i> of the console Examples:</p> <table><tr><td><code>Hypervisor.<a href="#">Set Capture Format</a></code></td><td><code>console_%010d</code></td><td></td></tr><tr><td><code><a href="#">Open Console</a></code></td><td><code>\${VM_NAME}</code></td><td></td></tr><tr><td><code>Hypervisor.<a href="#">Capture MKS Screenshot</a></code></td><td></td><td></td></tr><tr><td><code><a href="#">Send MKS Cmd</a></code></td><td><code>root</code></td><td></td></tr><tr><td><code><a href="#">Send MKS Cmd</a></code></td><td><code>password</code></td><td><code>wait=10s</code></td></tr><tr><td><code><a href="#">Send MKS Cmd</a></code></td><td><code>ls</code></td><td></td></tr><tr><td><code>Hypervisor.<a href="#">Capture MKS Screenshot</a></code></td><td></td><td></td></tr><tr><td><code><a href="#">Send MKS Key</a></code></td><td><code>\${CTRL_L}</code></td><td></td></tr><tr><td><code><a href="#">Send MKS Cmd</a></code></td><td><code>whoami</code></td><td></td></tr><tr><td><code>Hypervisor.Capture MKS Screenshot`</code></td><td></td><td></td></tr></table>	<code>Hypervisor.<a href="#">Set Capture Format</a></code>	<code>console_%010d</code>		<code><a href="#">Open Console</a></code>	<code>\${VM_NAME}</code>		<code>Hypervisor.<a href="#">Capture MKS Screenshot</a></code>			<code><a href="#">Send MKS Cmd</a></code>	<code>root</code>		<code><a href="#">Send MKS Cmd</a></code>	<code>password</code>	<code>wait=10s</code>	<code><a href="#">Send MKS Cmd</a></code>	<code>ls</code>		<code>Hypervisor.<a href="#">Capture MKS Screenshot</a></code>			<code><a href="#">Send MKS Key</a></code>	<code>\${CTRL_L}</code>		<code><a href="#">Send MKS Cmd</a></code>	<code>whoami</code>		<code>Hypervisor.Capture MKS Screenshot`</code>		
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<b>Power Off</b>	<i>self</i> , <i>vm_name</i> , <i>graceful=True</i>	<p>Shutdowns a VM</p> <p>If <i>graceful</i> is <code>True</code>, a graceful shutdown is tried before a power off.</p> <p><b>Note:</b> if VMware tools is not install on the VM, graceful shutdown is not available</p>																														
<b>Power On</b>	<i>self</i> , <i>vm_name</i>	Power on a VM																														
<b>Reset Capture Counter</b>	<i>self</i>																															
<b>Send Mks Cmd</b>	<i>self</i> , <i>cmd</i> , <i>wait=5s</i>	<p>Sends command to current web console and wait for a while</p> <p>By default, <i>wait</i> time is <code>2s</code> and the keyword will automaticall add a <code>Newline</code> char after sending the <i>cmd</i></p>																														
<b>Send Mks Key</b>	<i>self</i> , <i>key</i> , <i>wait=5s</i>																															
<b>Send Mks Keys</b>	<i>self</i> , <i>keys</i> , <i>wait=5s</i>	<p>Sends key strokes to current web console</p> <p>Special Ctrl char could be used as <code>\${CTRL_A}</code> to <code>\${CTRL_Z}</code></p>																														

		Examples: <div><div>Send MKS Key</div><div>\${CTRL_L}</div></div> <b>Notes:</b> For other usable key value, see Selenium document
<b>Set Capture Format</b>	<i>self, format</i>	Set console capture format Initialized format is 'vmware_%010d'