vmware

Library scope: global

Named arguments: supported

Introduction

provides function for VMware ESXI

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

Shortcuts

Capture Mks Screenshot · **C**lick Mks · **G**et Mks Ticket · **G**et Vm Id · **G**et Vm List · **G**et Vm Power State · **O**pen Console · **P**ower Off · **P**ower On · **R**eset Capture Counter · **S**end Mks Cmd · **S**end Mks Key · **S**et Capture Format

Keywords

Keyword	Arguments	Documentation
Capture Mks Screenshot	*self*, *filename=None*, *extra=*	Captures the current web console to *filename* If *filename* is `None`, the captured filename will be decided by the current `format` with an auto-increment counter and a `extra` at the end. Example: <table><tr><td>*Hypervisor*.Capture MKS Screenshot</td><td># will create a file console_0000000001.png</td><td></td></tr><tr><td>*Hypervisor*.Capture MKS Screenshot</td><td>xxx.png</td><td># will create a file xxx.png</td></tr><tr><td>*Hypervisor*.Capture MKS Screenshot</td><td># will create a file console_0000000002.png</td><td></td></tr></table>
Click Mks	*self*, *xoffset*, *yoffset*	Click on the MKS console at *xoffset,yoffset* coordinate **Notes**: The coordinate (0,0) is at the left corner of the console screen
Get Mks Ticket	*self*, *vm_name*	Returns a MSK ticket for WebConsole
Get Vm Id	*self*, *vm_name*	Returns a VMID of a VM
Get Vm List	*self*	Returns current VM name list of the hypervisor
Get Vm Power State	*self*, *vm_name*	Get vm power status Return `on` of `off`
Open Console	*self*, *vm_name*, *width=None*, *height=None*	Opens a web console for a VM *vm_name* Returns the *width* and *height* of the console Examples: <table><tr><td>Hypervisor.*Set Capture Format*</td><td>console_%010d</td><td></td></tr><tr><td>*Open Console*</td><td>${VM_NAME}</td><td></td></tr><tr><td>Hypervisor.*Capture MKS Screenshot*</td><td></td><td></td></tr><tr><td>*Send MKS Cmd*</td><td>root</td><td></td></tr><tr><td>*Send MKS Cmd*</td><td>password</td><td>wait=10s</td></tr><tr><td>*Send MKS Cmd*</td><td>ls</td><td></td></tr><tr><td>Hypervisor.*Capture MKS Screenshot*</td><td></td><td></td></tr><tr><td>*Send MKS Key*</td><td>${CTRL_L}</td><td></td></tr><tr><td>*Send MKS Cmd*</td><td>whoami</td><td></td></tr><tr><td>Hypervisor.Capture MKS Screenshot`</td><td></td><td></td></tr></table>
Power Off	*self*, *vm_name*, *graceful=True*	Shutdowns a VM If *graceful* is True, a graceful shutdown is tried before a power off. **Note**: if VMware tools is not install on the VM, graceful shutdown is not available
Power On	*self*, *vm_name*	Power on a VM
Reset Capture Counter	*self*	
Send Mks Cmd	*self*, *cmd*, *wait=2s*	Sends command to current web console and wait for a while By default, *wait* time is `2s` and the keyword will automaticall add a `Newline` char after sending the *cmd*
Send Mks Key	*self*, *key*, *wait=1s*	Sends key strokes to current web console Special Ctrl char could be used as `${CTRL_A}` to `${CTRL_Z}` Examples:

		Send MKS Key ${CTRL_L}
Set Capture Format	*self*, *format*	Set console capture format
		Initialized format is `'vmware_%010d'`

Altogether 13 keywords.