m1.ubuntu64 clone and launch

1. Versions

Version	Date	User	Comment
0.0.1	Feb 16, 2013	brian	
0.0.2	Feb 16, 2013	brian	
0.0.3	Feb 16, 2013	brian	
0.0.4	Feb 16, 2013	brian	
0.0.5	Feb 16, 2013	brian	
0.0.6	Feb 16, 2013	brian	
0.0.7	Feb 16, 2013	brian	
0.0.8	Feb 16, 2013	brian	
0.0.9	Sep 1, 2013	brian	
0.0.10	Sep 1, 2013	brian	
0.0.11	Sep 1, 2013	brian	
0.0.12	Sep 1, 2013	brian	
0.0.13	Sep 1, 2013	brian	
0.0.14	Sep 1, 2013	brian	
0.0.15	Sep 1, 2013	brian	
0.0.16	Sep 29, 2013	brian	

Current version:0.0.16

2. Inputs

Name	Type	Description
name	string	New virtual machine name
memory	number	New memory value
vcpu	number	New vCPU number

3. Outputs

Name	Type	Description
actionResult2	VC:Task	
actionResult3	VC:Task	

4. Attributes

Name	Type	Description
folder	VC:VmFolder	Virtual machine folder
vm	VC:VirtualMachine	Virtual machine to clone
powerOn	boolean	Specifies whether or not the new virtual machine should be powered on after creation
template	boolean	Specifies whether or not to mark the new virtual machine as a template
datastore	VC:Datastore	Datastore in which to store the virtual machine. If not specified, the current datastore is used
host	VC:HostSystem	(Optional) Host on which to create the virtual machine
pool	VC:ResourcePool	(Optional) Resource pool in which to create the virtual machine
doSysprep	boolean	Run the Sysprep operations and wait for the task to complete. Not used if the virtual machine is marked as template
network	VC:Network	Network on which to attach the virtual network interface
dnsServerList	Array/string	(Optional) List of DNS servers for a virtual network adapter with a static IP address

Name	Type	Description
dnsDomain	string	(Optional) DNS domain suffix such as vmware.com
dhcp	boolean	Use a DHCP server to configure the virtual network adapter
gateway	Array/string	(Optional) List of gateways, in order of preference
ipAddress	string	Fixed, valid IP address
macAddress	string	(Optional) The MAC address of a network adapter being customized. If it is not included, the customization process maps the settings from the virtual machine's network adapters, in PCI slot order
subnetMask	string	[Optional] Subnet mask for this virtual network adapter
newVM	VC:VirtualMachine	The newly created virtual machine
sleepTime	number	Time to sleep in seconds

5. Parameter presentation

Parameter	Description	Parameter Info
name	Hostname	
memory	Memory (Mbytes)	
vcpu	vCPU count	

6. Workflow schema

7. Workflow items

Name	Type	Next item	Description
	WorkflowItemEnd		
Clone, Linux with single NIC	WorkflowItemLink	changeVMRAM	Clones a Linux virtual machine, performs the guest operating system customization, and configures one virtual network card.
Start virtual machine and wait	WorkflowItemLink	Sleep	Starts a virtual machine and waits for VMware Tools to start.
changeVMvCPU	WorkflowItemTask	Start virtual machine and wait	Change the number of vCPUs in the VM.
changeVMRAM	WorkflowItemTask	changeVMvCPU	Change the VM memory size.
Reboot guest OS	WorkflowItemLink		Reboots the virtual machines's guest operating system. Does not reset nonpersistent virtual machines. VMware Tools must be running.
Sleep	WorkflowItemTask	Reboot guest OS	Sleep a given number of seconds

8. Source code for the used actions

8.1. changeVMvCPU

```
//Auto generated script, cannot be modified !
actionResult = System.getModule("com.vmware.library.vc.vm").changeVMvCPU(vm,vcpu) ;
```

8.2. changeVMRAM

```
//Auto generated script, cannot be modified !
actionResult = System.getModule("com.vmware.library.vc.vm").changeVMRAM(vm,memory) ;
```

8.3. Sleep

```
//Auto-generated script
if ( sleepTime != null )  {
  System.sleep(sleepTime*1000);
}
else  {
  throw "'sleepTime' is NULL";
}
```