

# NIC-Switch

## 1. Versions

Version	Date	User	Comment
0.0.1	Aug 21, 2015	vCO Administrator	

Current version:0.0.1

## 2. Inputs

Name	Type	Description
vm	VC:VirtualMachine	VM to count nic number

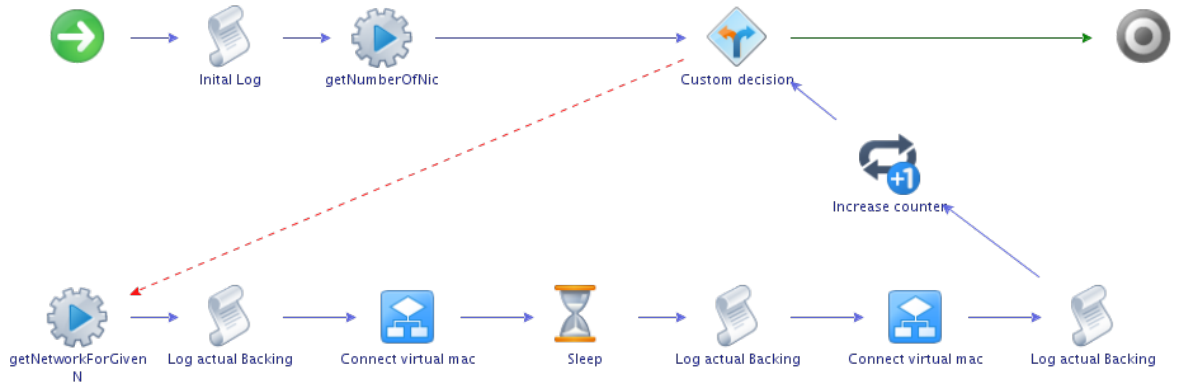
## 3. Attributes

Name	Type	Description
actionResult_nicCount	number	
nicNumber_toProcess	number	1 to 4: the nic number
actionResult_ActualNetwork	VC:Network	
loopCounter	number	
temp_dvPortgroup	VC:DistributedVirtualPortgroup	
sleepTime_5s	number	Time to sleep in seconds
active_dvPortgroup	VC:DistributedVirtualPortgroup	

## 4. Parameter presentation

Parameter	Description	Parameter Info
vm	VM to count nic number	

## 5. Workflow schema



## 6. Workflow items

Name	Type	Next item	Description
	WorkflowItemEnd		
getNumberOfNic	WorkflowItemTask	Custom decision	Get total number of NIC (network interface card) of a VM
Inital Log	WorkflowItemTask	getNumberOfNic	
Custom decision	WorkflowItemCustomCondition		
getNetworkForGivenNic	WorkflowItemTask	Log actual Backing	Retrun the network for a given VM nic
Log actual Backing	WorkflowItemTask	Connect virtual machine NIC number to distributed virtual port group	
Increase counter	WorkflowItemTask	Custom decision	Increment a counter by one

Name	Type	Next item	Description
Sleep	WorkflowItemTask	Log actual Backing	Sleep a given number of seconds
Log actual Backing	WorkflowItemTask	Connect virtual machine NIC number to distributed virtual port group	
Log actual Backing	WorkflowItemTask	Increase counter	
Connect virtual machine NIC number to distributed virtual port group	WorkflowItemLink	Sleep	Reconfigures the network connection of the specified virtual machine NIC number to connect to the specified distributed virtual port group. If no NIC number is specified, the number zero is used.
Connect virtual machine NIC number to distributed virtual port group	WorkflowItemLink	Log actual Backing	Reconfigures the network connection of the specified virtual machine NIC number to connect to the specified distributed virtual port group. If no NIC number is specified, the number zero is used.

## 7. Source code for the used actions

### 7.1. getNumberOfNic

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

### 7.2. Inital Log

```
System.log ("VM to Process: " + vm.name);
```

### 7.3. Custom decision

```
return (loopCounter > actionResult_nicCount);
```

### 7.4. getNetworkForGivenNic

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

### 7.5. Log actual Backing

```
System.log ("Network Name of NIC " + loopCounter + " from total " + actionResult_nicCount  
+ " is: "+ actionResult_ActualNetwork.name);  
System.log ("...Switching to Temp Network.");  
var active_dvPortgroup = actionResult_ActualNetwork;  
System.debug ("active_dvPortgroup: " + active_dvPortgroup);  
System.debug ("temp_dvPortgroup: " + temp_dvPortgroup);
```

### 7.6. Increase counter

```
//Auto-generated script  
counter = counter+1;
```

### 7.7. Sleep

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

### 7.8. Log actual Backing

```
System.log ("Switching to Temp Network Completed.");  
System.log ("...Switching Back.");
```

### 7.9. Log actual Backing

```
System.log ("Switching Back finished.");
```