

# OpenNebula - Backlog #3954

## Online resize memory for VM

08/28/2015 07:58 AM - Stefan Kooman

<b>Status:</b>	Pending	<b>Start date:</b>	08/28/2015
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Core & System	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Description</b>			
<p>QEMU/KVM/LIBVIRT offer the possibility to resize the amount of memory when in the libvirt XML specification the &lt;currentMemory unit='KiB'&gt;&lt;/currentMemory&gt; is specified besides the "&lt;memory unit='KiB'&gt;&lt;/memory&gt;" for a running VM. For example:</p> <pre>&lt;memory unit='KiB'&gt;1048576&lt;/memory&gt; &lt;currentMemory unit='KiB'&gt;4194304&lt;/currentMemory&gt;</pre> <p>This Would set the amount of available memory for a VM to 1 GB, with a max of 4GB. If OpenNebula would generate deployment files with both memory specifications VM's can be resized online (without) downtime as far as memory is concerned.</p>			
<b>Related issues:</b>			
Related to Feature # 3395: VM capacity resize for running VMs		<b>Closed</b>	<b>12/05/2014</b>
Related to Request # 4832: Support memory ballooning for KVM		<b>Closed</b>	<b>09/29/2016</b>

### History

#### #1 - 08/28/2015 08:00 AM - Stefan Kooman

related to [<http://dev.opennebula.org/issues/3395>] VM capacity resize for running VMs

#### #2 - 08/28/2015 08:33 AM - Carlos Martin

- Related to Feature #3395: VM capacity resize for running VMs added

#### #3 - 09/01/2015 04:32 PM - Ruben S. Montero

- Tracker changed from Feature to Backlog  
- Category set to Core & System  
- Priority changed from Normal to High

#### #4 - 10/03/2016 04:43 PM - Ruben S. Montero

- Related to Request #4832: Support memory ballooning for KVM added

#### #5 - 06/27/2017 03:36 PM - Roy Keene

Perhaps a better approach: [https://medium.com/@juergen\\_thomann/memory-hotplug-with-qemu-kvm-and-libvirt-558f1c635972](https://medium.com/@juergen_thomann/memory-hotplug-with-qemu-kvm-and-libvirt-558f1c635972)

This is similar to what VMware does with ESXi, though libvirt makes you do more work to figure out how to manage your DIMMs.