

## OpenNebula - Bug #5300

### Disk size is not monitored (qcow2)

08/02/2017 03:56 PM - Kristian Feldsam

<b>Status:</b>	Closed	<b>Start date:</b>	08/02/2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Vlastimil Holer	<b>% Done:</b>	0%
<b>Category:</b>	Drivers - Monitor	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Release 5.4.1	<b>Pull request:</b>	
<b>Resolution:</b>	fixed		
<b>Affected Versions:</b>	OpenNebula 5.4		

**Description**

After upgrade to 5.4, real disk size is not monitored. In sunstone for ex. I see only -/10GB and not 2.3GB/10GB

In VM xml is missing DISK\_SIZE section like was in 5.2

```
<DISK_SIZE>
  <ID><![CDATA[0]]></ID>
  <SIZE><![CDATA[10956]]></SIZE>
</DISK_SIZE>
```

#### Associated revisions

##### Revision 6faed83d - 09/05/2017 11:18 AM - Ruben S. Montero

B #5300 Write disk monitor information

##### Revision 3f7b20ef - 09/05/2017 03:21 PM - Ruben S. Montero

B #5300: Counter is stored per datastore

##### Revision 0b765130 - 09/05/2017 04:12 PM - Ruben S. Montero

B #5300: Update monitor information on VMs

##### Revision 55317502 - 09/05/2017 04:21 PM - Ruben S. Montero

B #5300 Write disk monitor information

(cherry picked from commit 6faed83d43d05a11927d8bf888c4c8b8fc4dc6ff)

##### Revision 7544db12 - 09/05/2017 04:21 PM - Ruben S. Montero

B #5300: Counter is stored per datastore

(cherry picked from commit 3f7b20efcc414cdd907c987241f9f722edc4c473)

B #5300: Update monitor information on VMs

(cherry picked from commit 0b76513078788d10af98e42c1eee18bd9973ce2e)

## History

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### #1 - 08/04/2017 09:51 AM - Ruben S. Montero

- Assignee set to Javi Fontan
- Target version set to Release 5.4.1

### #2 - 08/14/2017 10:22 AM - Javi Fontan

- Assignee changed from Javi Fontan to Vlastimil Holer

### #3 - 08/16/2017 08:57 PM - Vlastimil Holer

- Assignee changed from Vlastimil Holer to Ruben S. Montero

The problem is, that the VM metrics generated by the datastore probes aren't stored in the database, but only left in the memory. On 5.4 (with disabled caching), such metrics are unfortunately lost between the monitoring tasks.

Here are the examples of a VM monitored by 2 different probes, see the **update\_db** parameter. KVM monitoring doesn't see any metrics from previous DS monitoring.

## DS

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```
Wed Aug 16 20:30:12 2017 [Z0][InM][D]: Monitoring datastore system (0)
Wed Aug 16 20:30:12 2017 [Z0][VMM][D]: VH: VirtualMachineManagerDriver::process_poll with update_db=0
Wed Aug 16 20:30:12 2017 [Z0][VMM][D]: VM 10 debug before update:
```

```
Wed Aug 16 20:30:12 2017 [Z0][VMM][D]: VM 10 debug after update:
DISK_SIZE=ID=0,SIZE=481
DISK_SIZE=ID=1,SIZE=1
```

```
Wed Aug 16 20:30:12 2017 [Z0][VMM][D]: VM 10 successfully monitored: DISK_SIZE=[ID=0,SIZE=481] DISK_SIZE=[ID=1,SIZE=1]
Wed Aug 16 20:30:12 2017 [Z0][InM][D]: Datastore system (0) successfully monitored.
```

## KVM

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```
Wed Aug 16 20:30:27 2017 [Z0][InM][D]: Monitoring host centos7-kvm-nfs-6bb5b-2.test (1)
Wed Aug 16 20:30:30 2017 [Z0][InM][D]: Host centos7-kvm-nfs-6bb5b-2.test (1) successfully monitored.
Wed Aug 16 20:30:30 2017 [Z0][VMM][D]: VH: VirtualMachineManagerDriver::process_poll with update_db=1
Wed Aug 16 20:30:30 2017 [Z0][VMM][D]: VM 10 debug before update:
```

```
Wed Aug 16 20:30:30 2017 [Z0][VMM][D]: VM 10 debug after update:
CPU=98.02
DISKRDBYTES=39140352
DISKRDIOPS=2388
DISKWRBYTES=0
DISKWRIOPS=0
MEMORY=524288
NETRX=0
NETTX=0
STATE=a
```

```
Wed Aug 16 20:30:30 2017 [Z0][VMM][D]: VM 10 successfully monitored: STATE=a CPU=98.02 MEMORY=524288 NETRX=0 NETTX=0
DISKRDBYTES=39140352 DISKWRBYTES=0 DISKRDIOPS=2388 DISKWRIOPS=0
```

This part in the core

<https://github.com/OpenNebula/one/blob/37dc649fd73d46616a71b8dcb6ebc49310d627a2/src/vmm/VirtualMachineManagerDriver.cc#L728-L738> needs to be changed, so that the `vmpool->update_monitoring` is done even if `update_db` isn't requested. Looks like the `update_db` parameter is now

obsolete.

Reassigning to Ruben to propose the changes.

**#4 - 09/05/2017 11:23 AM - Ruben S. Montero**

- Assignee changed from Ruben S. Montero to Vlastimil Holer

**#5 - 09/06/2017 10:28 AM - Ruben S. Montero**

- Status changed from Pending to Closed

- Resolution set to fixed