

OpenNebula - Feature #4647

Add network monitoring to vCenter drivers

07/15/2016 11:03 AM - OpenNebula Systems Support Team

Status:	Closed	Start date:	07/15/2016
Priority:	Normal	Due date:	
Assignee:	Miguel Ángel Álvarez Cabrerizo	% Done:	100%
Category:	vCenter	Estimated time:	0.00 hour
Target version:	Release 5.2	Pull request:	
Resolution:	fixed		
Description			
to present nettx and netrx per VM			

Associated revisions

Revision 334c1d2e - 10/14/2016 10:14 AM - vagrant

F #4647. Add network monitoring to vCenter drivers

Revision 245f780e - 10/14/2016 01:55 PM - Tino Vázquez

Merge pull request #128 from n40lab/F4647

F #4647. Add network monitoring to vCenter drivers

History

#1 - 08/17/2016 08:23 AM - Ruben S. Montero

- *Category set to vCenter*

#2 - 10/14/2016 10:37 AM - Miguel Ángel Álvarez Cabrerizo

- *Status changed from New to Closed*
- *Assignee set to Miguel Ángel Álvarez Cabrerizo*
- *% Done changed from 0 to 100*
- *Resolution set to fixed*

The vcenter driver now collects data from the Performance Manager using rbvmomi. vCenter's way of providing data using averages instead of byte numbers and how to select the interval make it difficult to recreate vCenter's network graphs, so an approximation has been applied. Real-time data collects data every 20 seconds up to 1 hour.

After several tests only net.bytesRx and net.transmitted provide valuable data. In each poll, samples from the latest poll are gathered and summed up to calculate how many bytes have been transmitted or received in that period.

As Sunstone uses poll times in x axis while vCenter uses sample times, upload and download graphs can't be equal as depicted data is generated in a different way.

#3 - 10/14/2016 11:14 AM - Miguel Ángel Álvarez Cabrerizo

PR uploaded for code and documentation

