

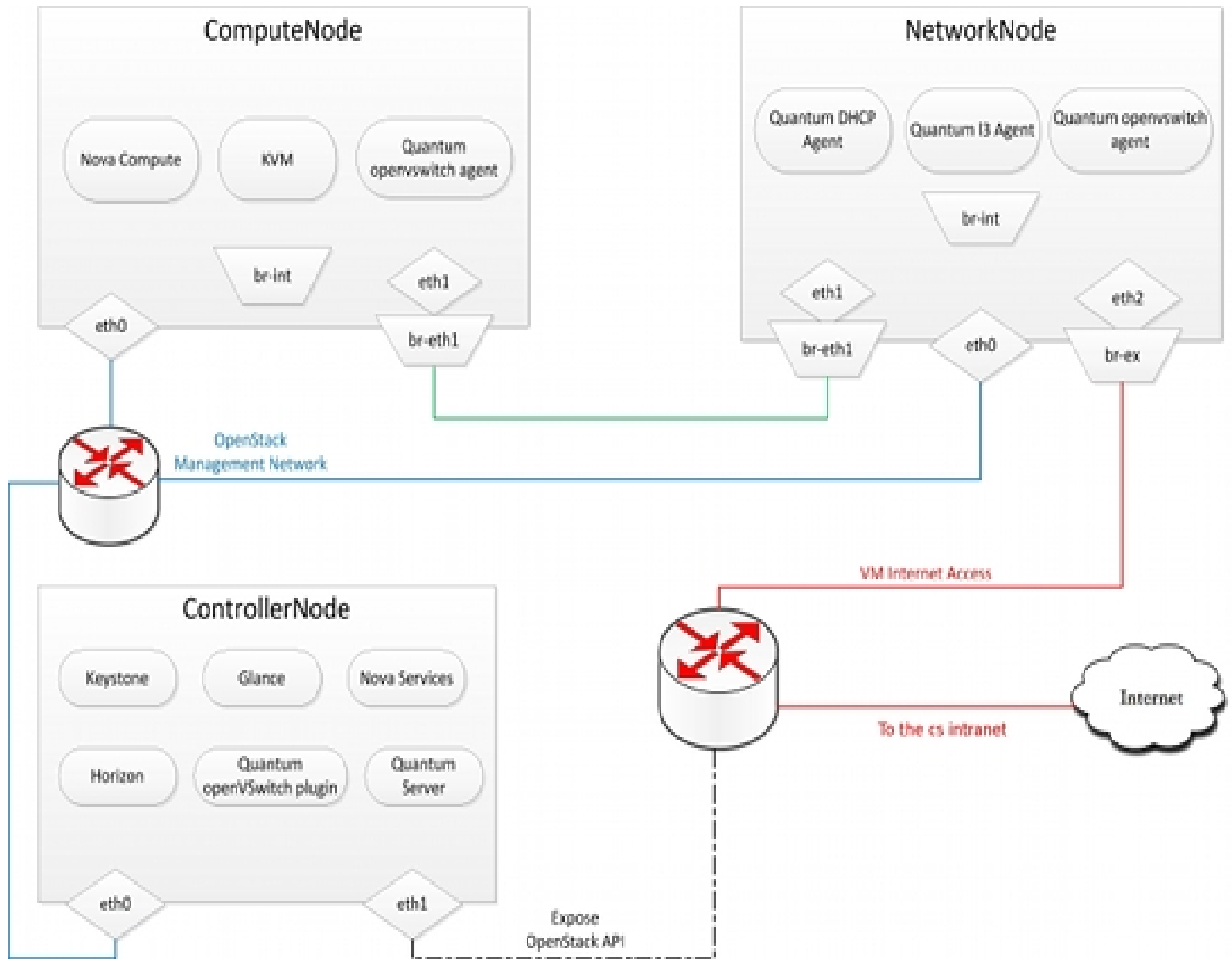
## General Information about Nephelae

Nephelae is a cloud computing cluster running [Ubuntu Server 12.04 LTS](#) and the latests stable release of the [Open Stack](#) (Icehouse).

### Topology setup

Nephelae is currently consisted of six servers.

Currently configured topology puts users facing OpenStack Dashboard. Dashboard communicates with Nova Cloud Controller (on one server), while another back-end server is running Nova Network Controller for network control. The other servers are used for VM hosting (Nova Compute).





Nepheleae's architecture - Nepheleae's hardware  
**Nepheleae's Hardware Specifications**

	CPU Model	CPUs	Total Cores	Total
Nova Cloud Controller				
OpenStack Dashboard	E5620@2.40Ghz	2	16	72
Nova Network Controller	E5620@2.40Ghz	2	16	7
Nova Compute 1	E5620@2.40Ghz	2	16	7
Nova Compute 2	X5650@2.67Ghz	2	24	7

Nova Compute 3	X5650@2.67Ghz	2	24	7
Nova Compute 4	X5650@2.67Ghz	2	24	7
Nova Compute 5	X5690@3.47GHz	2	24	8
<b>Total</b>		<b>14</b>	<b>144</b>	<b>5</b>

Time Period	Instances	RAM MB - Hours	CPU Hours
2013-01-01 - 2013-12-31	194	1262041775.22	514630.34
2014-01-01 - 2014-04-14	50	631989054.54	349108.80

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