What does amazon aws mean by "network performance"?



When choosing an amazon aws instance type to launch, there is a property of each type which is "Network Performance" which is either "Low", "Moderate", or "High". I'm wondering what this exactly means. Will my ping be lower if I choose low? Or will it be ok as long as many users aren't logged in at once?



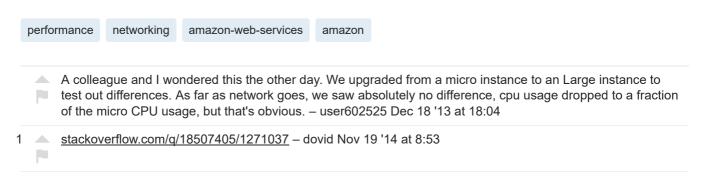
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I'm launching a real time multiplayer game and I am so I am curious as to exactly what is meant under "network performance". I actually need fairly low memory and processing power, but instances with those criteria usually have "low" network performance.

Has anyone experience with the different network performances or have more information?

Thanks!





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It's not oficial, but Serhiy Topchiy did a benchmark with different instance types:

http://epamcloud.blogspot.com.br/2013/03/testing-amazon-ec2-network-speed.html



For US-EAST-1, it seems that LOW corresponds to 50Mb/s, Moderate corresponds to 300Mb/s and High corresponds to 1Gb/s.

very interesting :) – Hesky Jul 16 '15 at 2:17



12 ____ It's a bit more complex than that, I'm afraid. - network links are more or less tiered by instance size, but with quite a bit of variation by generation and family. "Low" is anywhere from 50 MBit to 300 MBit, "moderate" is 300-900 MBit (with fairly predictable numbers by instance type), "High" is 0.9-2.2 GBit. I did a metanalysis using public benchmarks. - BobMcGee Mar 7 '16 at 13:48



I believe it was mentioned at the reInvent 2013 conference that the different properties are related to the underlying network connection: Some servers have 10GB connections (High) some have 1GB (Moderate) and some have 100MB (Low).



I cannot find any on-line documentation to confirm this, however.

Edit: There is an interesting article on Packet per second limit available here

Since this question was first posed, AWS has released more information on the networking stack, and many of the newer instance families can support up to 25Gbps with the appropriate ENA drivers. It looks like much of the increased performance is due to the new Nitro system.

