



CARPATHIATM

HOSTING, INC.

95th Percentile

What exactly is the 95th Percentile?

The 95th percentile is a mathematical calculation widely used to determine billing rates for Internet connections that are provided as “burstable” (variable rate) bandwidth. Essentially, network data samples are collected every few minutes. Two readings are taken of the total bandwidth used over each time period, one outgoing and one incoming. The higher of these two readings is recorded to create a single bps (bits per second) transfer reading.

At the end of each billing cycle, these readings are sorted and the top 5% of these readings are removed. The next highest reading (called “the 95th percentile”) is the rate that you are billed at.

In many cases usage may be minimal, with all usage falling within the top 5% of the readings. In this case, you are billed for your minimum monthly fee.

The table below is a simple example that illustrates what we mean:

Over a period of 500 minutes, 100 readings are taken of both incoming and outgoing traffic. Assuming the billing period is also 500 minutes, then top 5% of these readings (the top 5, in this case) are ignored, and you are billed at the value of the 95th reading.

Top 10 Entry	Reading	Comment
100	22 Mbps	Ignored (top 5%)
99	19 Mbps	Ignored (top 5%)
98	17 Mbps	Ignored (top 5%)
97	16 Mbps	Ignored (top 5%)
96	15 Mbps	Ignored (top 5%)
95	14 Mbps	** Your “95th Percentile” billing rate entry
94	13 Mbps	
93	13 Mbps	
92	12 Mbps	
91	10 Mbps	

In this case, even though you sometimes sustained traffic at speeds as high as 22 Mbps, you would be billed using the 14 Mbps entry.

Carpathia Hosting is a leading provider of managed hosting services, delivering secure, reliable and compliant IT infrastructure and management for some of the world’s most demanding enterprises and federal agencies. Founded in 2003, Carpathia Hosting is a growing, profitable business run by a seasoned management team with deep experience in delivering enterprise hosting solutions including colocation, managed services and cloud computing. Carpathia’s suite of services is designed for organizations seeking scalable, secure, robust and enterprise-grade hosting solutions that can be quickly provisioned or tailored to meet unique requirements. Backed by its E3 Promise, Carpathia Hosting consistently delivers an experience that exceeds customers’ expectations. Carpathia Hosting qualifies as a small business. Contact Carpathia Hosting at 1.888.200.9494, or visit www.carpathiahosting.com for more information.

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