VPSBenchmarks Cloud Report

OVHcloud VPS vs. Competition (AWS, MS Azure, Digital Ocean, etc.)

This report was created on May 17, 2021 by VPSBenchmarks using benchmarks that were run between April 01, 2018 and May 11, 2021.

VPSBenchmarks certifies the authenticity of these performance benchmarks.

About VPSBenchmarks

VPSBenchmarks is the world leading service for measuring the performance of cloud servers. Every year, more than 30 providers and 150 servers are tested in depth and their performance is reported at https://www.vpsbenchmarks.com. VPSBenchmarks has been evaluating cloud servers since 2014.

Test Methodology

VPSBenchmarks buys cloud servers directly from cloud providers. It sets them up with Ubuntu 18.04 or 20.04 and installs test software on each new instance. The specifications of tested servers are collected and uploaded to VPSBenchmarks. Four types of benchmarks are run on every instance:

- Web
- Sysbench CPU, storage and memory
- Network Transfers
- Endurance

Numerous metrics are generated from each benchmark and they are grouped into performance categories (Web, CPU, Disk IO, Network and Stability). Then a grade from A to F is calculated in each category for the evaluated server.

Introduction

OVHcloud is a global cloud provider that specializes in delivering cloud solutions with industry-leading performance and a cost-effective way to better manage, secure and scale data.

OVHcloud offers VPS, bare metal servers, hosted private cloud, hybrid and public cloud solutions. The company was recognized in 2020 as a 'Strong performer' in Forrester's Hosted Private Cloud Services in N.A.(2Q2020) and as 'Contender' in IDC Worldwide Public Cloud as a Service Vendor Assessment (2020).

OVHcloud manages 32 data centers across 12 sites on four continents, manufacturing its own servers, building its own data centers and deploying its own fiber-optic global network to achieve maximum efficiency. Through the OVHcloud spirit of challenging the status quo, the company brings transparency, security and innovation to solve data challenges – today and tomorrow.

With a 21-year heritage, OVHcloud is committed to developing responsible, carbon-neutra technology and strives to be the driving force behind the next cloud evolution.
https://www.ovhcloud.com/

Cloud Server Plans

This report compares the performance of the cloud servers with the specifications and prices listed below.

Specifications

	Plan Name	Monthly Price	vCPUs	Memory (GB)	Storage (GB)
	Microsoft Azure - D2ds v4	$81.36	2	8.0	75
	Amazon EC2 - m5a.large	$65.90	2	8.0	40
	Linode - Dedicated 8GB	$60.00	4	8.0	160
	DigitalOcean - CPU Optimized 4GB	$45.00	2	4.0	50
	Google Compute Engine - n2-highcpu-2	$41.87	2	2.0	0
	OVHcloud - VPS Comfort	$23.00	4	8.0	160

Grades

Grades in this table are Price Weighted (PW).

	Plan Name	Score	Web Perf	Raw CPU Power	Perf Stability	Disk IO Perf	Network Perf
	OVHcloud - VPS Comfort $23.00	77	B *PW*	B *PW*	C *PW*	A *PW*	B *PW*
	Google Compute Engine - n2-highcpu-2 $41.87	52	B *PW*	C *PW*	B *PW*	E *PW*	D *PW*
	Microsoft Azure - D2ds v4 $81.36	46	C *PW*	D *PW*	E *PW*	F *PW*	A *PW*
	Amazon EC2 - m5a.large $65.90	42	D *PW*	E *PW*	D *PW*	E *PW*	B *PW*
	DigitalOcean - CPU Optimized 4GB $45.00	41	D *PW*	D *PW*	D *PW*	D *PW*	E *PW*
	Linode - Dedicated 8GB $60.00	40	E *PW*	C *PW*	E *PW*	D *PW*	D *PW*

PW: Price Weighted Grade

Performance Metrics

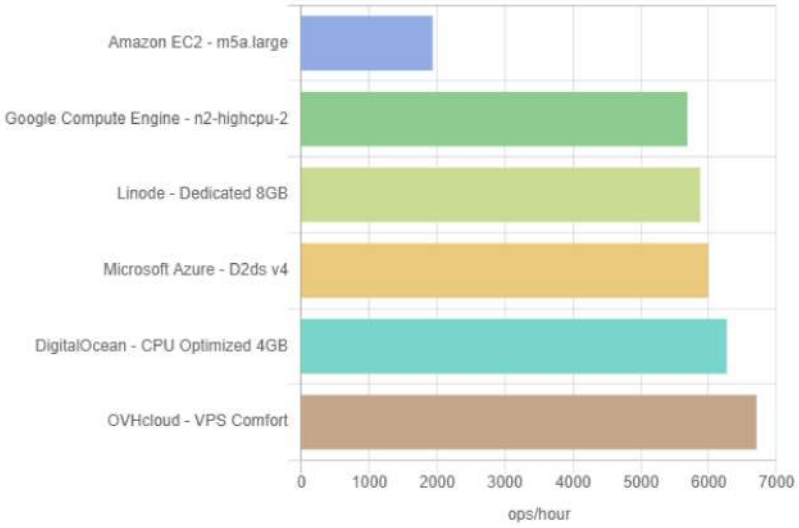
Endurance

The Endurance tests runs a CPU intensive test on the VPS for 24 hours straight. The throughput of the test as well as its stability are measured and collected.

Ops per hour

The amount of work the server can perform over a long period of time.

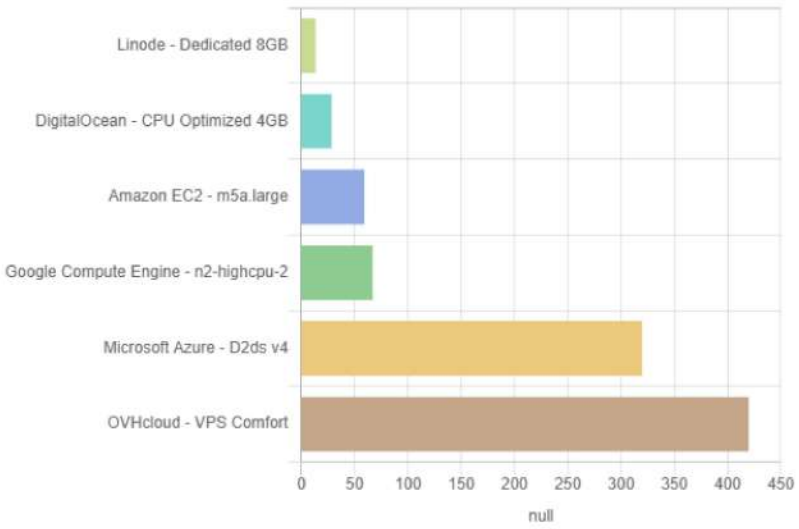
Higher is better



Ops/hour Standard Deviation

The variation of the server performance over a long period of time.

Lower is better



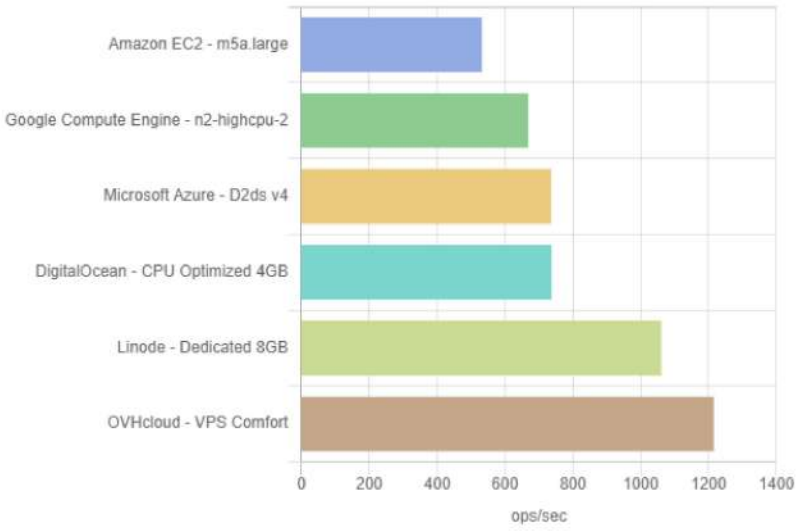
Sysbench

The Sysbench tests measure the performance of the CPU, disk IO and memory on each tested server.

Multi Threaded Ops per second

The maximum amount of multi threaded work the server can perform over a short period of time.

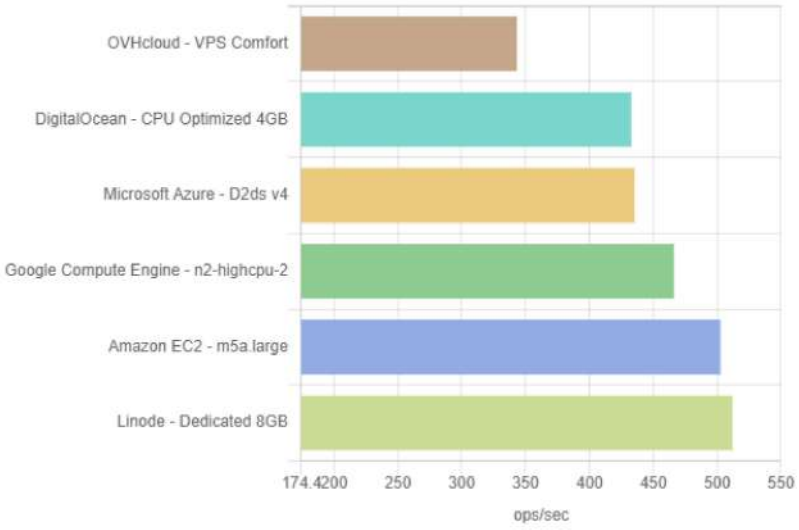
Higher is better



Single Threaded Ops per second

The maximum amount of single threaded work the server can perform over a short period of time.

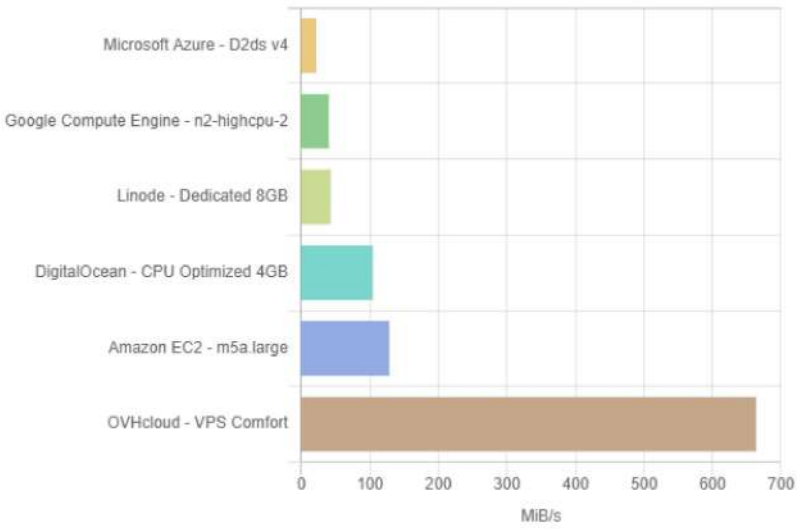
Higher is better



Sequential Disk IO Write Speed

The storage sequential write speed over a short period of time.

Higher is better



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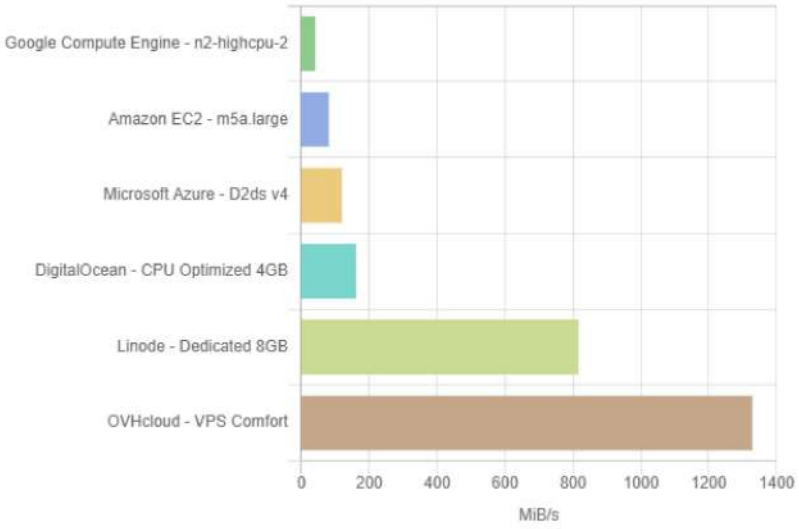
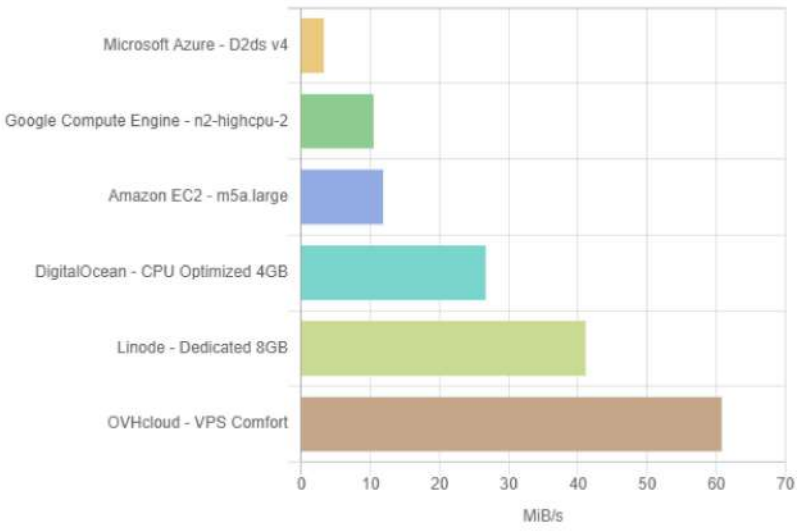


Random Disk IO Write Speed

The storage random write speed over a short period of time.

Higher is better



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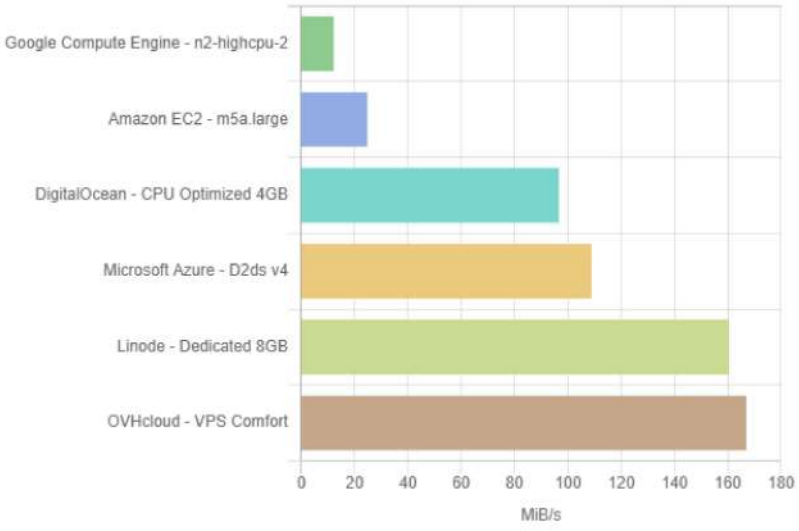
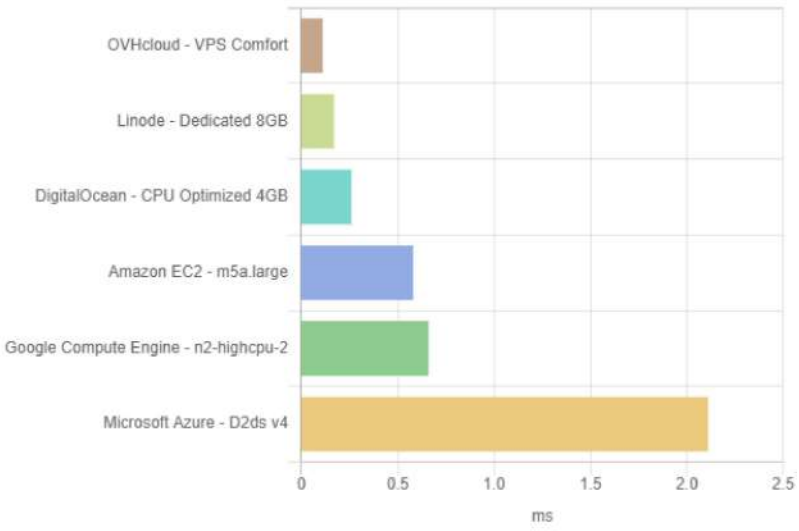


Random Disk IO Write Latency

The average latency of a random write to disk.

Lower is better



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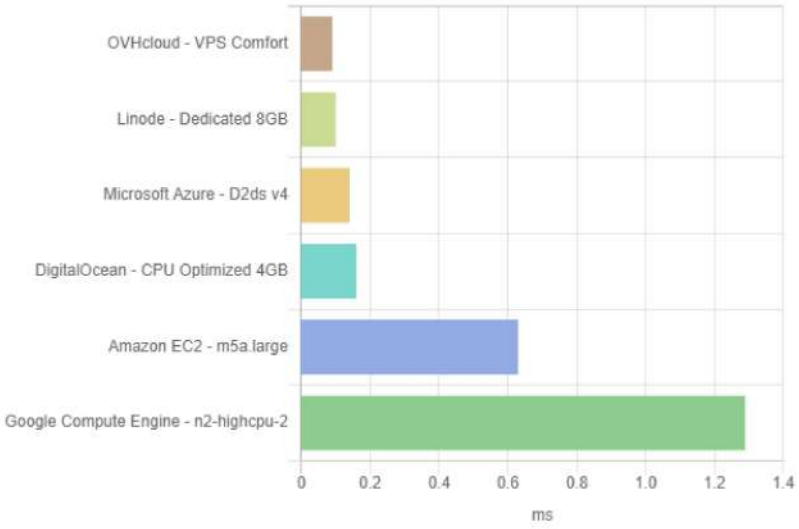
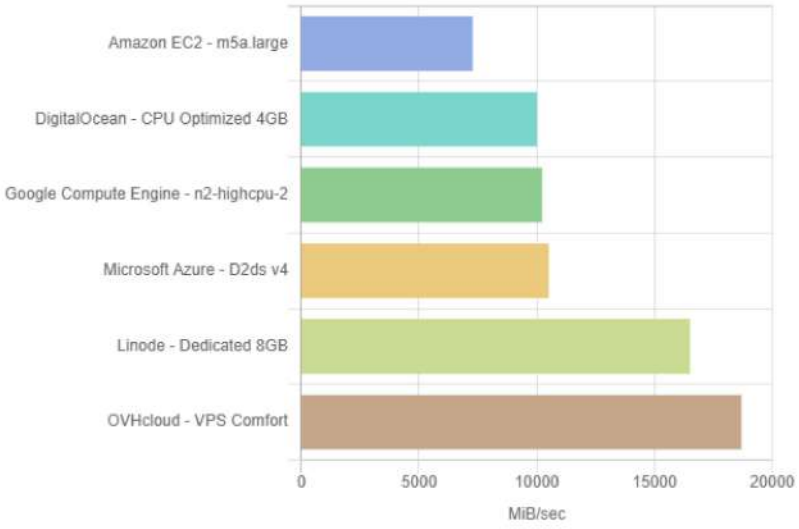


Memory Read Transfer Speed

The memory read speed of 1K blocks over a short period of time.

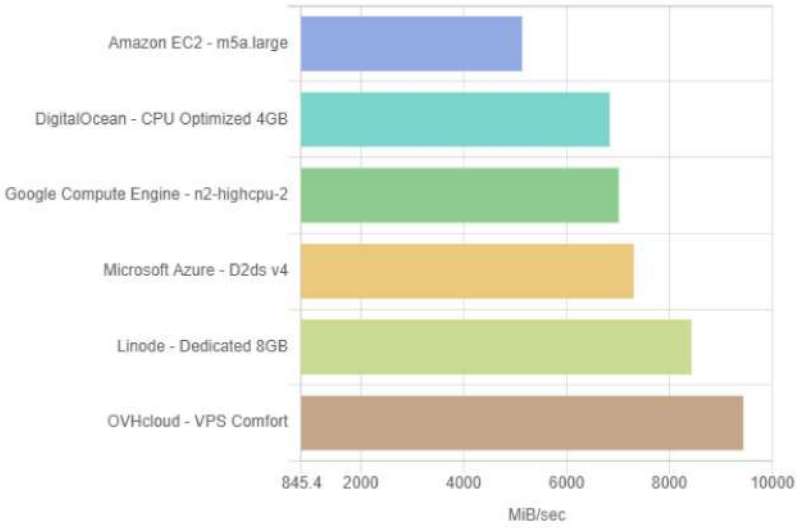
Higher is better



Memory Write Transfer Speed

The memory write speed of 1K blocks over a short period of time.

Higher is better



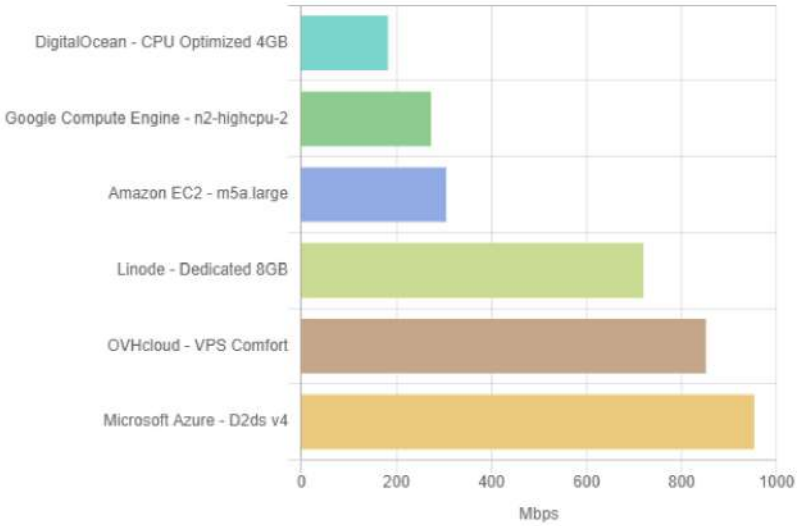
Transfers

Network Transfers measures the network download and upload speeds of transformed performed to and from the closest Speedtest servers.

Network Upload Speed

The maximum bandwidth the server was able to use for uploads.

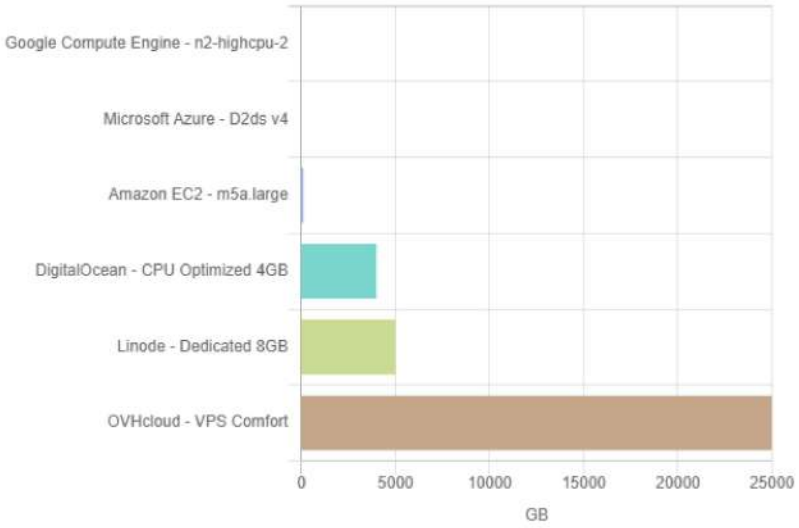
Higher is better



Monthly Included Network Transfers

The volume of network transfers included in the VPS plan per month.

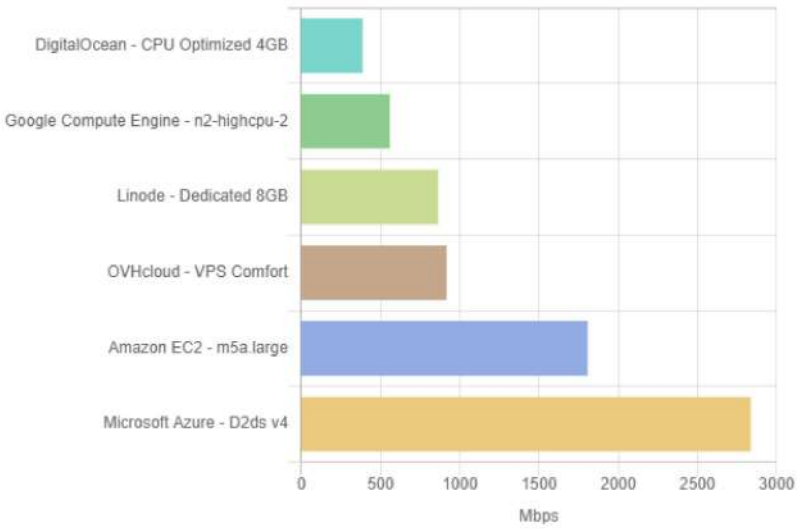
Higher is better



Network Download Speed

The maximum bandwidth the server was able to use for downloads.

Higher is better



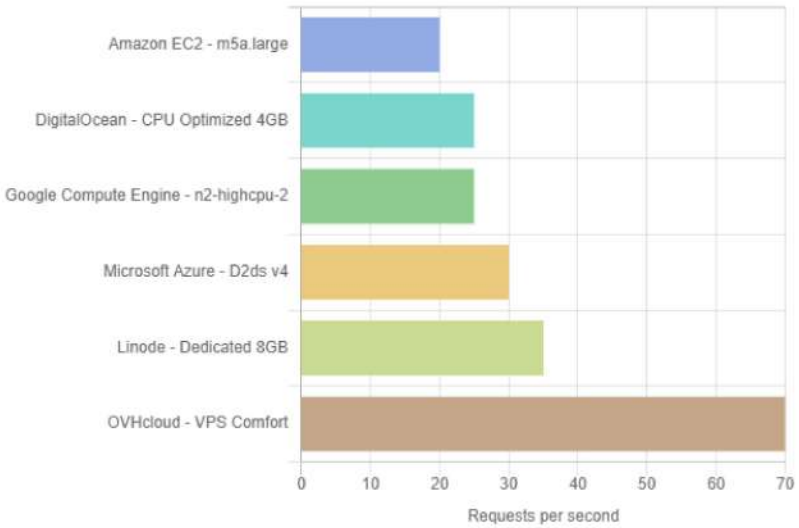
Web Runs

Web Runs are designed to measured the latencies of a web application running on the VPS. The tests are run locally at various rates of requests per second. Latencies and error rates are collected at each load level.

Web Max Request Rate

The maximum rate of HTTP requests the instance was able to serve without returning timeouts or errors.

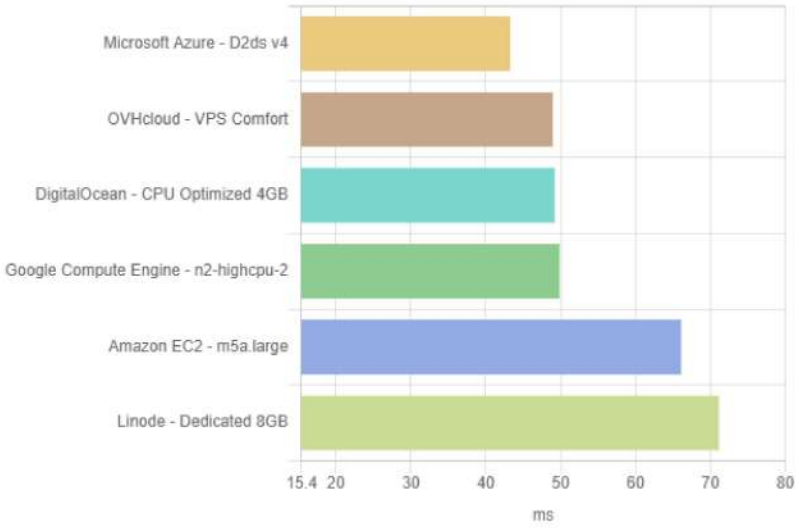
Higher is better



Web Average Latency

The average response time of HTTP requests.

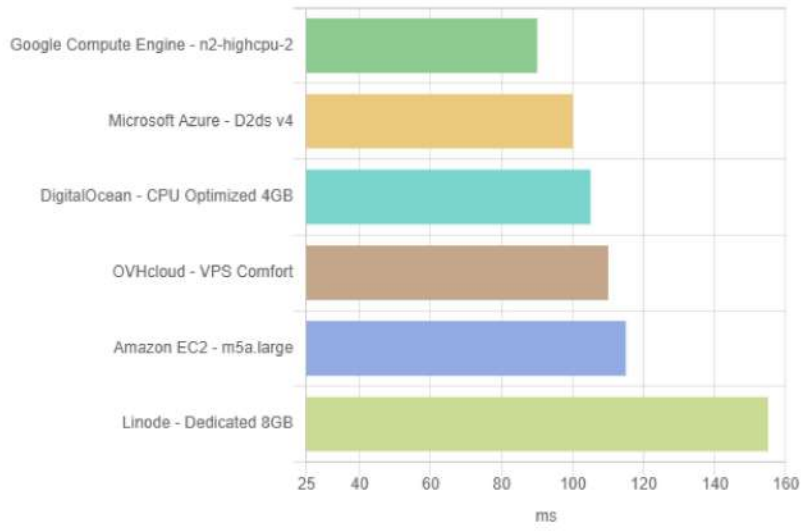
Lower is better



Web P99 Latency

The 99th percentile response time of HTTP requests.

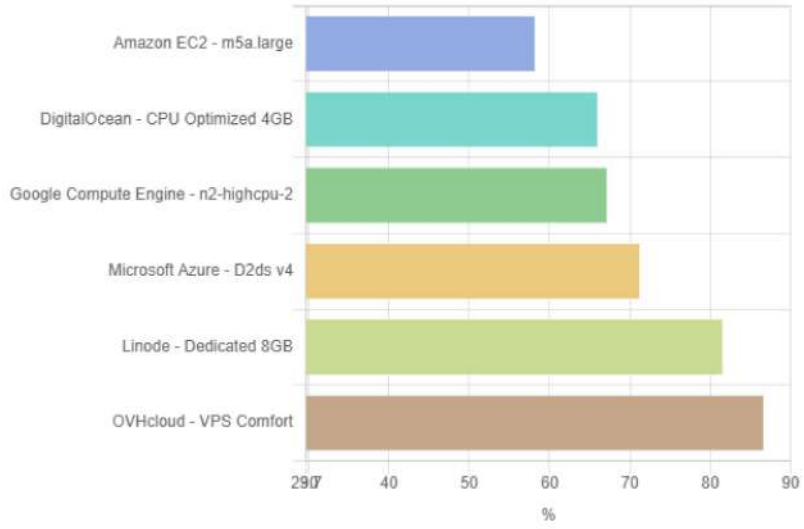
Lower is better



Web CPU Idle

The percentage of CPU that stayed idle during the Web Runs when serving 10 HTTP requests per second.

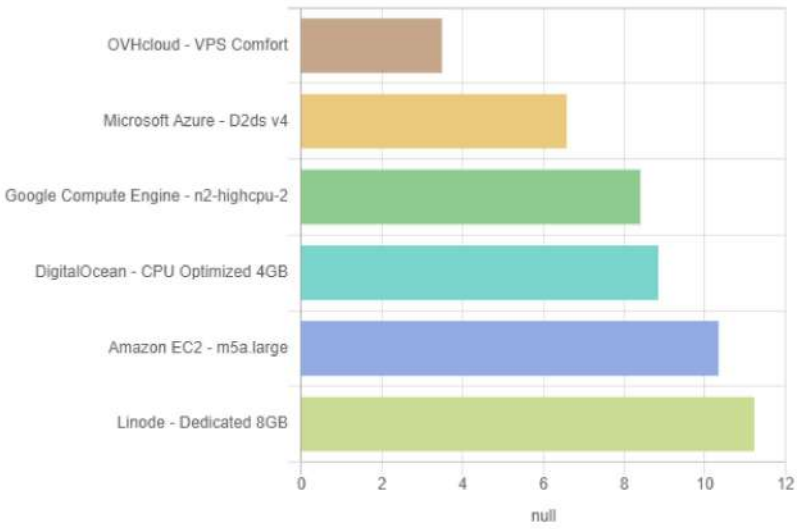
Higher is better



Latencies Standard Deviation

The standard deviation of response times for all rates of requests.

Lower is better



Conclusion

For more details or to purchase any of these VPS instances, please go to:
https://www.ovhcloud.com/en-ca/vps/

If you want to get a quote or talk to a sales representative, contact us at: 1-855-684-5463

VPSBenchmarks
Camino Cielo Cloud Services
122 W Arrellaga St, #10
Santa Barbara, CA 93101

Tel: +1 415 297 8349
Telegram: https://t.me/vpsbenchmarks

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