PERFORMANCE MATTERS.
Comparing OpusCloud, a robust VMware and HPE solution that delivers optimized performance, with AWS and Azure.
IT’S A MATTER OF PERFORMANCE.

Not every cloud is the right cloud for your business needs. Performance and pricing are key considerations in the public cloud industry. Together they have a substantial impact on your annual operating costs.

Using fewer resources on better-performing services can lower costs. Since many users only consider price and not price-performance, they may pay more because they require additional resources to achieve a desired level of performance. While some providers try to differentiate offerings by cutting prices, others try to differentiate by focusing on improved performance and user experience. Finding the right mix is key.

The OpusCloud network is a robust VMware and HPE solution that delivers optimized performance. To show how our cloud compares, Opus Interactive commissioned third-party analysts from Cloud Spectator to measure and compare OpusCloud price, performance, and price-performance value with the most recognizable cloud providers in the industry:

- Amazon Web Services
- Microsoft Azure

Study results show that the OpusCloud demonstrated strong performance and price-performance value for storage and internal network. We pair that with multi-cloud strategies to distribute workloads to where they make the most sense for your performance needs.

Methodology
Raw VM performance was examined over a 48 hour period to evaluate the component attributes of processor, memory, disk, and internal network on each provider’s VMs. The purpose of the study was to understand, from an end-user perspective, performance among cloud providers with similarly sized VMs.

To view the full report, contact sales@opusinteractive.com.
The performance of all applications is highly dependent on the CPU. The CPU is responsible for the processing and orchestration of all applications. The relationship between CPU performance and RAM is also observed by examining RAM bandwidth. While memory performance is not considered one of the key bottlenecks in performance for many applications, a subset of applications—particularly HPC and in-memory databases—is highly dependent on large sustained memory bandwidth.

Cloud Spectator evaluated vCPU performance by benchmarking the VMs using Geekbench 3, a suite of benchmark tests that simulate tasks such as encoding and image processing. Testing occurred over the course of a 48-hour testing period.
Because most applications and all data reside on the disk, having fast disk performance is a key consideration for best application performance in many cases.

**Key Opus Findings:**
- Opus VMs offered the highest median and maximum disk performance.
- Opus provided the highest storage price-performance value examined in the study.
INTERNAL NETWORK BANDWIDTH

In a cloud environment, network performance is a critical piece. Scalability, in many cases, is dependent on the availability of additional VMs that must maintain a strong network backbone.

Key Opus Findings:
- Opus VMs achieved the highest internal network throughput of all the VMs examined in the study.
- Opus provided the highest internal network price-performance value of all the VMs examined in the study.
PRICE PERFORMANCE

For enterprise IT, the demand to do more with less is expanding. Forrester predicts that AWS, Google, and Microsoft will capture 76% of all cloud platform revenue in 2018. Ensuring that you’re getting the best performance for the price can make all the difference for your budget.

Results from Cloud Spectator’s study show high return values for the OpusCloud across CPU, Network, and Storage.

Pricing Considerations:
- Regional pricing based off Oregon data center location
- Prices are based on On-Demand or Pay-as-You-Go pricing
CONCLUSION

Results from this study show that OpusCloud displayed strong overall performance and offered high price-performance value. OpusCloud demonstrated the highest performance for storage and internal network as well as in price-performance.

Performance in the industry cannot be assumed to be equal or even similar. When examining processor and memory bandwidth performance, tiered providers such as AWS and Azure varying performance depending on the family/series of the VM, despite having equivalent amounts of vCPUs and similar amounts of memory.

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For general inquiries about our products and services, please contact Opus at sales@opusinteractive.com.

About Opus Interactive
Founded in 1996, Opus Interactive provides cloud hosting, managed services and colocation from Tier III+ data centers in Hillsboro, Portland, Dallas and Virginia (coming online in 2018. Through close partnerships with industry-leaders and a commitment to customer satisfaction, Opus Interactive has earned a reputation for customized IT solutions that fit unique requirements for equipment, scalability, budget and future growth needs of its customers.

Headquartered in Portland, Oregon, Opus Interactive is an accredited member of the International Managed Services Provider Alliance and is PCI-DSS, HIPAA, and SSAE16 audited.

About Cloud Spectator
Cloud Spectator is a cloud analyst agency focused on cloud Infrastructure-as-a-Service (IaaS) performance. The company actively monitors several of the largest IaaS providers in the world, comparing VM performance (i.e., CPU, RAM, disk, internal network, and workloads) and pricing to achieve transparency in the cloud market. The company helps cloud providers understand their market position and helps business make intelligent decisions in selecting cloud providers and lowering total cost of ownership. The firm was founded in early 2011 and is located in Boston, MA.

For questions about this report, to request a custom report, or if you have general inquiries about our products and services, please contact Cloud Spectator at +1 (617) 300-0711 or contact@cloudspectator.com.