

# Process up to 1.25x the WordPress Database Transactions with Intel® Xeon® processor-backed Alibaba G7 Instances vs. Alibaba G6 Instances

## Get Better Value with Alibaba G7 Instances Featuring 3<sup>rd</sup> Gen Intel Xeon Scalable Processors

If you use the cloud to host your WordPress websites, you seek compute-intensive instances that will support more web traffic and provide a better experience for your customers and internal users. Selecting instances with the right processor can help you get the greatest return on your cloud investment.

In WordPress tests comparing three sizes of Alibaba instances (see Figure 1), new Alibaba G7 Instances enabled by 3<sup>rd</sup> Gen Intel® Xeon® Scalable processors delivered up to 1.25x the number of requests per second of G6 instances with 2<sup>nd</sup> Gen Intel Xeon Scalable processors, while also delivering greater performance per dollar. For your website hosting needs, choose new G7 Instances enabled by 3<sup>rd</sup> Gen Intel Xeon Scalable processors.

Table 1. Names of the tested Alibaba instances with their vCPU configurations

Instance name		vCPUs
<b>G7</b> 3 <sup>rd</sup> Gen Intel Xeon Scalable processors	<b>G6</b> 2 <sup>nd</sup> Gen Intel Xeon Scalable processors	
g7.2xlarge	g6.2xlarge	8
g7.4xlarge	g6.4xlarge	16
g7.8xlarge	g6.8xlarge	32

The G7 instances featuring 3<sup>rd</sup> Gen Intel Xeon Scalable processors not only handled 1.25x the requests per second of G6 instances, but they also delivered better value than G6 instances with the performance gains outweighing the small cost increases. When you select G7 instances that do more database work per instance, you can support the needs of your ecommerce users with fewer cloud instances, which is a boon to your bottom line.

**WordPress**

**Complete up to  
1.25x the WordPress  
requests per second on  
G7 instances with 3<sup>rd</sup>  
Gen Intel Xeon Scalable  
processors**  
*vs. G6 instances*

**Get better value with  
G7 instances featuring  
3<sup>rd</sup> Gen Intel Xeon  
Scalable processors**  
*vs. G6 instances*

### Relative WordPress Performance

Relative requests per second | Higher is better

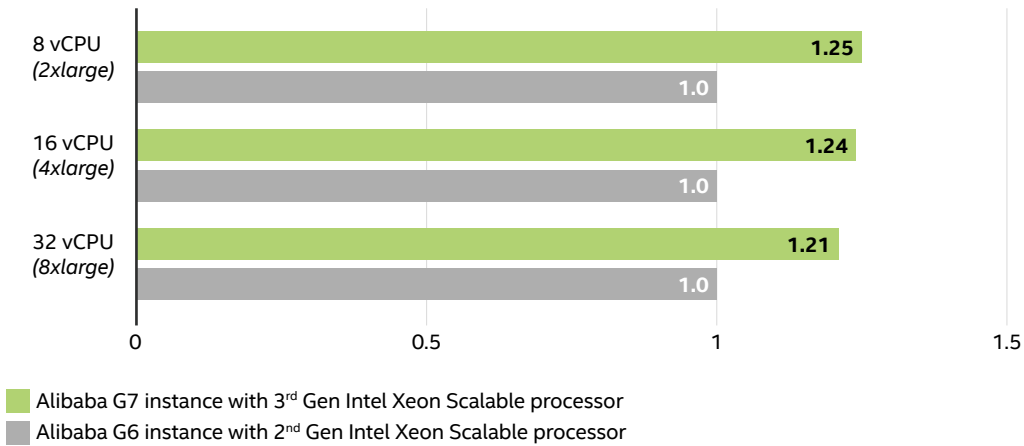


Figure 1. Relative results comparing the WordPress requests per second of G7 instances vs. G6 instances

### Get Better Value with G7 Instances

In addition to performance, cost is an important consideration when shopping for cloud instances. While new technology often comes at a slightly higher price, the performance it delivers can more than offset the increase. The new G7 instances with 3<sup>rd</sup> Gen Intel Xeon Scalable processors cost no more than 1.14x as much as the older G6 instances, yet they provide up to 1.25x the performance. This means that you can get more WordPress performance for your money.

Based on these comparisons, companies that host WordPress databases in the cloud could better position themselves both to meet performance goals and stay within budget if they chose compute-intensive Alibaba G7 instances enabled by 3<sup>rd</sup> Gen Intel Xeon Scalable processors rather than Alibaba G6 instances with 2<sup>nd</sup> Gen Intel Xeon Scalable processors.

### Learn More

To begin running your WordPress workloads on Alibaba G7 Instances with 3<sup>rd</sup> Gen Intel Xeon Scalable processors, visit [www.intel.com/alibaba](http://www.intel.com/alibaba)

Tests performed by Intel in June 2021 on Alibaba in region cn-shenzhen-f. Tested three iterations and selected median for result. Software used was Ubuntu 20.04.2 LTS with kernel 5.4.0-73-generic, WordPress 5.2.0. All configurations ESSD 200G storage with 4,200 provisioned IOPS; other configuration details to follow. g6.2xlarge: 8 vCPUs, 32GB memory, up to 8 Gbps network BW, Intel 8269CY CPU. g7.2xlarge: 8 vCPUs, 32GB memory, up to 10 Gbps network BW, Intel 83698 CPU. g6.4xlarge: 16 vCPUs, 64GB memory, up to 10 Gbps network BW, Intel 8269CY CPU. g7.4xlarge: 16 vCPUs, 64GB memory, up to 25 Gbps network BW, Intel 83698 CPU. g6.8xlarge: 32 vCPUs, 128GB memory, up to 10 Gbps network BW, Intel 8269CY CPU. g7.8xlarge: 32 vCPUs, 128GB memory, up to 25 Gbps network BW, Intel 83698 CPU. Pay-as-you-go pricing as of Aug. 2021: g6.2xlarge - \$0.310, g6.4xlarge - \$0.619, g6.8xlarge - \$1.24; g7.2xlarge - \$0.356, g7.4xlarge - \$0.712, g7.8xlarge - \$1.424.



Performance varies by use, configuration and other factors. Learn more at [www.Intel.com/PerformanceIndex](http://www.Intel.com/PerformanceIndex).

Performance results are based on testing as of dates shown in configurations and may not reflect all publicly available updates. See backup for configuration details. No product or component can be absolutely secure. Your costs and results may vary.

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