Get a clearer picture of potential cloud performance by looking beyond SPECrate 2017 Integer scores

with WordPress

When we ran WordPress workloads on two Microsoft Azure VMs, the performance differences varied from SPECrate 2017 Integer scores

What's the best way to gauge cloud instance performance? Using an industry-standard benchmark such as SPECrate® 2017 Integer can deliver good compute performance data, but it may not paint the same picture as workloads more directly representative of your applications.

Running SPECrate 2017 Integer—which uses a broad range of applications that target the processor, memory, and compilers—we saw the following results on the Azure VMs we tested:

SPECrate 2017 Integer performance Higher is better

int_base rate

- 71.9 — D16ds_v5 with Intel® Xeon® Scalable processors
- 66 — D16ads_v5 with AMD EPYC™ processors
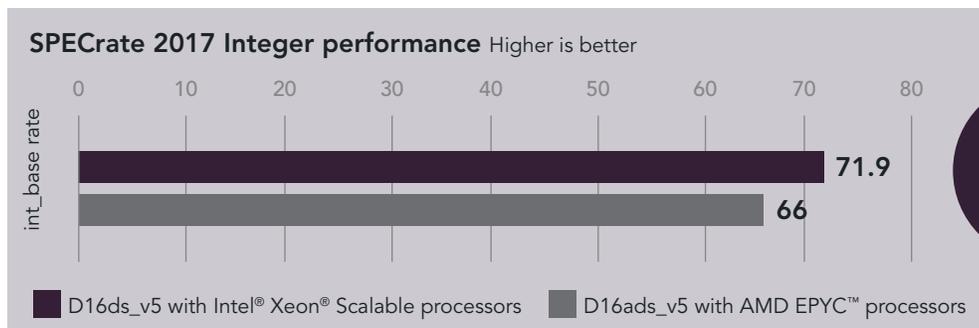
8% faster int_base rate

We tested WordPress, a free content management system that many businesses use to create websites, using an open-source website transaction benchmark suite called oss-performance. Its WordPress workload simulated users and measured the requests per second the systems could handle, yielding the results below:

WordPress performance Higher is better

Requests/second

- 805.6 — D16ds_v5 with Intel Xeon Scalable processors
- 725.3 — D16ads_v5 with AMD EPYC processors
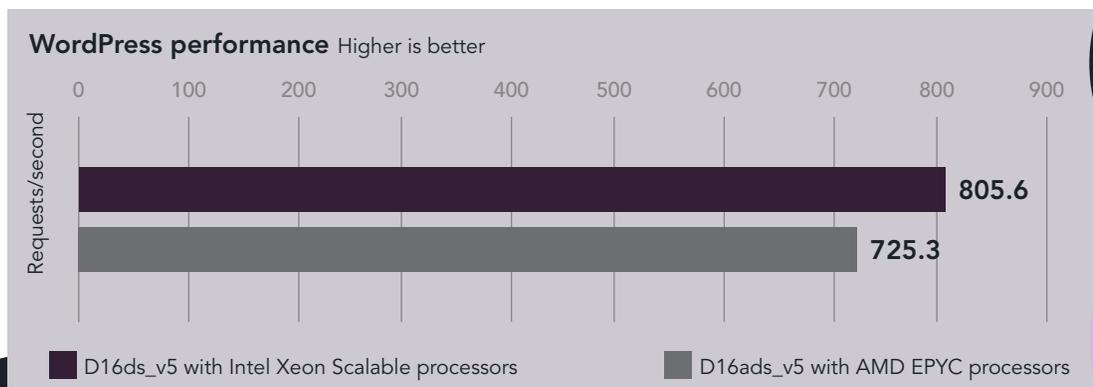
11% more requests per second

Why test with WordPress?

Whether your WordPress website serves as an ecommerce storefront or shares vital business information, giving visitors a responsive experience can keep them coming back. A real-world workload could indicate which cloud VM can best support web traffic at peak times, better enabling users to browse, make purchases, and otherwise interact with your site.

Get the bigger picture when you branch out to specific workloads.

Learn more about the other real-world workloads we ran at https://facts.pt/odi9nGQ

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