



## Key takeaways

- **#1 2P virtualization performance result**
- **Defeated a similarly configured Lenovo ThinkSystem SR650 with latest Intel® Xeon® technology**
- **Topped Oracle SPARC T7-2 server's 2P results**
- **40% score gain and 52 more virtual machines than 2P Huawei FusionServer RH2288H V3**
- **First to utilize the latest Red Hat virtualization technology (RHV v4.1) on SPECvirt\_sc2013**

### Server configuration:

**HPE ProLiant DL380 Gen10 server with Intel Xeon Platinum 8180 2.50 GHz processors:**  
2 processors/56 cores/112 threads total,  
Red Hat Virtualization v4.1;  
24 x 32 GB HPE DDR4-2666 Registered Memory (768 GB)

### HPE and Red Hat partnership



HPE and Red Hat work together to provide market-leading, industry-standard alternatives to proprietary operating environments. In addition to Linux and x86 market leadership, Red Hat and HPE offer superior price and performance on cloud, virtualization, storage, and middleware technologies.<sup>3</sup>

### For more information:

#### HPE Server benchmarks

[hpe.com/servers/benchmarks](http://hpe.com/servers/benchmarks)

#### HPE ProLiant DL380 Gen10

[hpe.com/servers/dl380gen-10](http://hpe.com/servers/dl380gen-10)

<sup>1</sup> [spec.org/virt\\_sc2013/press/release.html](http://spec.org/virt_sc2013/press/release.html)

<sup>2</sup> Q12017 IDC Quarterly Tracker

<sup>3</sup> [hpe.com/us/en/partners/red-hat/](http://hpe.com/us/en/partners/red-hat/)

## HPE ProLiant DL380 Gen10 Server attains the #1 2P performance result on SPECvirt\_sc2013 benchmark

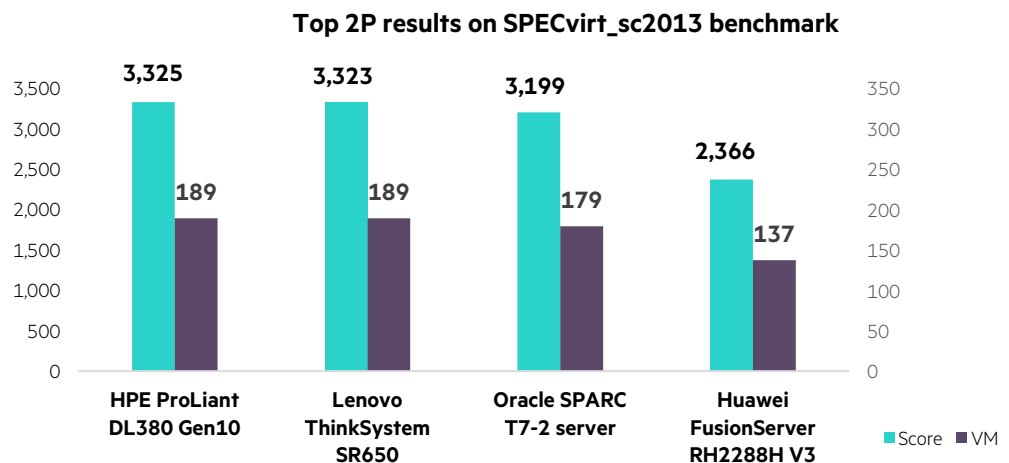
### First SPECvirt\_sc2013 result using Red Hat Virtualization (RHV)

### Executive summary

**Synonymous with 2P performance world leadership**, the HPE ProLiant DL380 newest generation rack server, Gen10, achieved #1 2P performance virtualization results on the SPECvirt\_sc2013 benchmark, defeating top 2P competitors Lenovo, Oracle, and Huawei.

The SPECvirt\_sc2013 benchmark shows a server's capability to consolidate multiple servers running different applications onto a single system with multiple virtual machines. The benchmark provides four workloads based on real-world traffic faced by a web server, a Java application server, an IMAP server, and a batch server. It models multi-tiered applications and database environments that require enterprise-class virtual machines.<sup>1</sup>

**Figure 1.** HPE ProLiant DL380 Gen10 performance vs. competitors' top 2P results on the SPECvirt\_sc2013 benchmark.



## Customer advantages

### New HPE ProLiant DL380 Gen10



The world's best-selling server just got better!<sup>2</sup> Supreme versatility and resiliency, backed by a comprehensive warranty, make the HPE ProLiant DL380 Gen10 ideal for multiple environments from Containers to Cloud to Big Data. Customers will be well-served by deploying the datacenter standard.

As the industry-leading server for multi-workload compute, the [HPE ProLiant DL380 Gen10](http://hpe.com/servers/dl380gen-10) beats the competition with its security, enhanced performance with Intelligent System Tuning (IST), FlexLOM, and Flexible Smart Array controllers. Its "future-proof" design keeps up with customers' business needs.

### New Intel Xeon technology

Intel Xeon Platinum 8180 2.50 GHz processors in the HPE ProLiant DL380 Gen10 offer more cores and enable enhanced server memory bandwidth, providing greater virtualization capacity.

### ProLiant Gen10 Core Enterprise Servers

One of the competitive advantages of the HPE ProLiant Gen10 servers is its agility features that include the optimization of performance with [IST](http://hpe.com/servers/dl380gen-10):

- Jitter smoothing
- Workload matching
- Core boosting