When planning a virtual desktop infrastructure, the number of virtual desktops per node is a key metric that decision-makers consider. The HPE ProLiant DL385 Gen10 server, powered with AMD EPYC processors, includes highest core count, highest memory bandwidth, and a large number of virtual desktops per server, proving to be an excellent choice for deploying virtual desktops in a hyperconverged environment.

HPE ProLiant DL385 Gen10 enables you to run a large number of virtual desktops per node with few servers to support an impressive total of 700 virtual desktops. This helps you reduce the number of physical servers needed, as well as decreases CAPEX and OPEX.

The HPE ProLiant DL385 Gen10 server has been designed with flexibility while delivering a high maximum core count and large memory footprint. Choose this purpose-built platform for virtualization.

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Innovation is becoming imperative

Innovation is the reason for these outstanding results. As the once automatic leaps in processor performance become increasingly elusive, innovation becomes even more important. The AMD EPYC 7601 system on chip (SoC) delivers 32 cores of CPU performance. The ability to package more cores in a comprehensive SoC becomes essential to delivering superior performance at a reduced cost. It is part of AMD’s strategy of delivering a better balance of resources for efficient real-world application performance. The AMD EPYC SoC delivers more—cores, memory capacity and bandwidth, and massive I/O capacity—all essential elements of virtual desktop environments.

The results

Login VSI testing (Figure 2) shows that the HPE ProLiant DL385 Gen10 servers with dual AMD EPYC 7601 processors running VMware vSAN can deliver exceptional virtual desktop density. VMware vSAN with HPE ProLiant DL385 Gen10 can save on capital expense, deployment, as well as power and cooling costs.

Confidently virtualize your desktops

With a high concurrent number of virtual desktops per server and satisfied end users, data center managers can now deploy more virtual desktops in hyperconverged environments. They will need fewer servers at lower cost than before thanks to HPE ProLiant DL385 Gen10 servers with AMD EPYC processors.