

HPE selected to deliver supercomputers for DoD computing modernization program

News

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Military Embedded Systems



Image by Hewlett Packard Enterprise

PALO ALTO, Calif. U.S. Department of Defense (DoD) officials selected Hewlett Packard Enterprise (HPE) to provide new supercomputers for the DoD High Performance Computing Modernization Program (HPCMP), which aims to accelerate the development and acquisition of advanced national security capabilities.

Under contract, HPE will deliver HPE SGI 8600 systems and services to the Air Force Research Laboratory (AFRL) DoD Supercomputing Resource Center (DSRC) and the Navy DSRC at a combined total contract value of \$57 million.

The four HPE SGI 8600 systems, to be located at the AFRL DSRC at Wright-Patterson Air Force Base, will support research including hypersonics and computational modeling of current and advanced air, naval, and ground weapon systems and platforms. The three systems to be installed at the Navy DSRC will support advanced weapons capabilities and provide high reliability for the Navy's global weather modeling requirements.

The systems delivered to the AFRL DSRC are running with 24-core Intel Xeon Scalable Processors on an Intel Omni-Path Architecture fabric. These systems will provide more than 7.3 petaflops of compute capability and more than 12 petabytes of usable storage, leveraging DDN EXAScaler technology, a high-performance parallel distributed file system based on Lustre.

The three HPE SGI 8600 Systems delivered to the Navy DSRC are also running with 24-core Intel Xeon Scalable Processors on an Intel Omni-Path Architecture fat-tree fabric. These systems will provide 6.8 petaflops of compute capability and more than 12 petabytes of usable storage, based on DDN EXAScaler.

As part of the contract awards, HPE will also provide five years of 24/7 system support, including on-site system administration and applications support personnel from HPE.

The U.S. Army Corps of Engineers, Engineering and Support Center, Huntsville, Alabama, awarded the contract.

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