

# Accelerating Data Center Modernization

## HPE ProLiant DL580 Gen9 Data centers with the right compute deliver strong business results



What's getting in the way of data center infrastructure upgrades? Shrinking IT budgets? Storage? Processing? Hewlett Packard Enterprise (HPE), powered by Intel®, uniquely provides the most comprehensive portfolio of compute capabilities, including hardware, software, solutions, services, and partner ecosystem, to modernize your data center across the broadest set of application workloads. By investing in HPE's portfolio, IT decision makers can redefine compute economics, accelerate service delivery, boost business performance, and secure business transactions.

### Modern Challenges

New technologies such as software-defined computing, hybrid IT, hyper converged, and composable and converged infrastructure are paving the way for infrastructure transformations that will require a modernized data center. There are also other platform choices that will affect your decision on when to modernize, including rack and tower servers, hyperscale computing, blades, and mission-critical options. In addition, you need to consider difficulties you may face by keeping your legacy IT infrastructure up and running so you don't affect business growth, agility, continuity, and IT spending.

### Why Update?

Data center modernization allows you to move your legacy and current IT technology to a modern data center environment while taking advantage of the latest versions of systems and database software. You can move from nonstrategic, core, and legacy platform implementations to modern alternatives. HPE also helps you replace legacy operating system (OS) implementations and application combinations with supported versions of the same OS.

### Faster Time-to-Market

When you choose Continental Resources (ConRes) and HPE for data center modernization, you can accelerate:

- Database performance—Drive modern applications faster.
- Big data priorities—Make data work harder for your business.
- Hybrid cloud projects—Securely migrate your apps to the cloud.

#### Data Center Modernization Benefits:

- Update core applications
- Overcome big data challenges
- Migrate to the cloud

## Reduce Costs

The HPE ProLiant DL580 Gen9 Server, powered by Intel® Xeon® processors, was designed to reduce data center modernization costs and complexity. It leverages Intel's latest E5-2600 v4 processors with 21% performance gain, plus the latest HPE 2400 MHZ DDR4 SmartMemory, which supports 3TB and up to a 23% increase in performance.

Whether needed for highly virtualized or cloud-based deployments, HPE ProLiant DL580 Gen9 has the intelligence and automated management simplicity you need through HPE OneView and HPE iLO 4. Combined, these technologies help your business achieve agile and lower cost data center and infrastructure management.

## Trusted HPE Technology

The HPE ProLiant DL580 Gen9 server is a true enterprise-class server delivering the best performance, expandability, and reliability in a 4S rack-mount server.

- Highest performance across compute, memory, and expandability for databases, business processing (ERP and CRM), virtualization, and application consolidation in private cloud or public cloud deployments.
- Built for multi-workload compute.
- Flexible to accommodate workload requirements while lowering total cost of ownership (TCO), as well as reliable to ensure service delivers.
- Can run both 32-bit and 64-bit applications simultaneously. The ability to accommodate 4 processors running up to 96 cores with access to 6TB of high-performance DDR4 memory yields a dramatic increase in performance over previous generation systems.

## Industry Leading Service

The HPE ProLiant DL380 Gen9 Server comes with a complete set of HPE Technology Services to deliver confidence, reduce risk and help customers realize agility and stability. HPE also provides consulting advice to transform and modernize your infrastructure, along with services to deploy, migrate, and support your new ProLiant servers and education to help you succeed quickly.

## High-Tech Excellence

ConRes, a HPE Platinum Partner, offers the HPE solutions you need for mission critical computing, high performance computing, data center modernization, and other industry and IT solutions. Whether you are a medium or large enterprise, or within higher education or local and state governments, ConRes can find the best HPE solution for your needs. Currently, ConRes specializes in converged infrastructure, networking, security, and storage.

Learn more at  
<https://www.hpe.com/info/dcm>



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<sup>1</sup>Intel performance testing, <http://www.intel.com/performance>

<sup>2</sup>Up to 23% better performance is based on similar capacity DIMM running on HPE server compared to a non HPE server with DDR4. HPE internal labs estimate, March 2016.

Hewlett Packard Enterprise specializations include Platinum: Server

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