

# Scalable, compute-dense solution for hybrid cloud and data workloads

HPE ProLiant DL380 Gen11 Servers



## Compute platform of choice for hybrid cloud, data analytics, and data management

The HPE ProLiant DL380 Gen11 Server with 5th Gen Intel® Xeon® Scalable processors is engineered to unlock more value from your data and drive innovation across edge to cloud. Designed for today's hybrid computing environments, this future-ready server delivers:

- **Optimized performance for your workloads.** Get the performance you demand to accelerate any workload — from data center to the edge. Achieve cost efficiencies and performance economics to power your apps and accelerate innovation everywhere your data lives.
- **Intuitive cloud operating experience.** Simplify the way you control compute from edge to cloud with a cloud operating experience. Transform business operations to pivot your team from reactive to proactive with global visibility and insight through a unified console.
- **Trusted security by design.** HPE's goal is to protect infrastructure from threats to hardware and reduce risks from third-party software and other devices through an uncompromising focus on constant security advancements that are built into our DNA — from silicon to software, from the factory to the cloud. Silicon root of trust from HPE is HPE's fundamental approach to security and provides a zero trust architecture at the silicon level. 5th Gen Intel Xeon Scalable processors add hardware- and software-assisted security features, including Intel® Software Guard Extensions (Intel SGX) and Intel Boot Guard to help secure the server hardware foundation on which critical applications run and better protect data in memory. Combining HPE and Intel security features provides peace of mind for organizations using HPE servers.
- **Extended protection across the HPE partner ecosystem.** Added protection leverages Security Protocols and Data Models (SPDM) for component authentication, with trust established through HPE iLO 6 verification.

### Data — Creating opportunities and challenges

Second only to your human resources, your data is your greatest asset. Data gathered from edge to cloud holds the keys to organizational insights, innovation, and growth — but only if it can be cost-effectively managed, organized, and accessed.

To harness the full value of your data, you must overcome four top-of-mind challenges:

- **Managing exponential growth of data.** As data volumes continue to rise, you need to manage the growth in your existing systems while also taking advantage of any new data.
- **Securing and governing data.** Cybercrime is an ever-present threat. As the value of data continues to surge, your enterprise must heighten security and governance to guard against inevitable cyberattacks.
- **Managing the costs of collecting, storing, transforming, and analyzing data.** To maximize cost efficiencies, each type of data — hot, cold, new, and old — should be placed in the right-fit storage environment. Software licensing costs, the cost of bad data, and database software support costs must also be managed.
- **Turning data into knowledge, insights, and innovation.** In addition to ensuring your business applications run efficiently, you now can use the power of data to remain competitive in today's volatile marketplace. The faster you can turn all your data — both legacy and new — into insights, the faster you can respond to market changes.

Devising a plan for capitalizing on the opportunities data creates — and resolving the associated challenges — is a complex undertaking that affects all aspects of your organization. Rather than attempt to develop a data plan on your own, HPE has designed a solution to optimize the performance of hybrid cloud as well as data management workloads in your data center — the HPE ProLiant DL380 Gen11 Server.

#### Did you know?

- As of 2025, people will generate 463 exabytes of data each day.<sup>1</sup>
- Poor data quality is responsible for an average of \$15M per year in lost revenue.<sup>2</sup>

<sup>1</sup> One exabyte equals one billion gigabytes.

<sup>2</sup> ["The impact of poor data quality: Risks, challenges, and solutions,"](#) Data Ladder, 2022.



# The HPE ProLiant DL380 Gen11 Server — The foundation for your hybrid cloud

In an ever-evolving digital world, the cloud is becoming an increasingly popular solution for businesses. The cloud offers flexibility, scalability, and cost savings. But before an organization can migrate to the cloud, it's critical to create a solid cloud foundation comprised of basic components, resources, and processes required of a secure, scalable, and efficient cloud environment. And one of those components is the HPE ProLiant DL380 Gen11 Server.

- With up to 60 cores, fast DDR5 memory and high-speed PCIe Gen5 I/O, the HPE ProLiant DL380 Gen11 Server provides the performance desired for workloads that are run in a hybrid environment.
- As a qualified component of HPE GreenLake, the HPE ProLiant DL380 Gen11 Server eases the creation of a hybrid environment with a cloud operating model on-premises.
- From silicon to software, from factory to cloud, and from generation to generation, the HPE ProLiant DL380 Gen11 Server is engineered with a fundamental security approach to defend against increasingly complex threats through an uncompromising focus to state-of-the-art security innovations that's built into our DNA.

## Get to know the HPE ProLiant DL380 Server for hybrid cloud and data management

**Table 1.** HPE ProLiant DL380 Gen11 Server



**HPE ProLiant DL380 Gen11 Server**

<b>Description</b>	<ul style="list-style-type: none"><li>• Scalable 2U dual-socket server that delivers exceptional compute performance, expandability, and scalability for diverse workloads and environments</li><li>• Up to 60 cores, with faster DDR5 memory and high-speed PCIe Gen5 I/O</li><li>• Excellent choice for data-intensive workloads like data analytics, data management, software-defined storage, video transcoding, and virtualized apps</li></ul>
<b>Processor</b>	5th Gen Intel Xeon Scalable processors
<b>Memory</b>	Up to 8 TB of DDR5, up to 4800 MT/s
<b>Drive count</b>	<ul style="list-style-type: none"><li>• Up to 38 SFF HDD/SSD, SAS/SATA</li><li>• Up to 32 SFF SSD, NVMe</li><li>• Up to 18 LFF HDD/SSD, SAS/SATA</li><li>• Up to 20 EDSFF E3.S 1T NVMe SSD</li></ul>
<b>Management</b>	HPE iLO 6 and HPE GreenLake for Compute Ops Management

## Your choice of compute matters

As the primary source of business value, data is constantly created across your enterprise — generating insights that fuel innovation and competitive advantage. Realizing the full value of your data requires compute — but not just any compute. You need compute that can power the analytics that reveal key perspectives and support the workloads that put them to service for the benefit of your business and your customers.

The right choice of compute — one that delivers a cloud operating experience built from the ground up with a fundamental approach to security — can set your business apart from the competition.



## Transforming data with HPE GreenLake edge-to-cloud platform

As you look for new ways to increase speed and agility in today's digital-first world, HPE GreenLake can help by bringing the cloud to you, your apps, and your data wherever they reside. HPE GreenLake is HPE's hybrid cloud platform that delivers a single consistent cloud experience and a catalog of data storage, data protection, network, computing, and other business services through a secure edge-to-cloud platform at your choice of location.

In addition to modernizing your IT while meeting the needs of flexibility, performance, total cost of ownership, security, and sustainability, with the HPE GreenLake platform, you can:

- Control and protect your data
- Simplify hybrid cloud operations
- Free up capital and resources

You can receive your fast, flexible HPE ProLiant-based compute infrastructure on a consumption pay-per-use\* basis and manage it your way through HPE GreenLake. Depending on your needs, you can choose from a range of workload- and cost-optimized configurations installed on your premises. Using HPE GreenLake for Compute Ops Management, you can manage your compute no matter where it is located — at the edge, in colocations, or in data centers — all from a single screen.

\* May be subject to minimums or reserve capacity may apply

## Learn more at

[HPE ProLiant servers](#)

[HPE ProLiant solutions and ecosystem](#)

