

Solution Brief

Modernize Apps, Infrastructure, and IT Strategy

with HPE ProLiant Gen11 Servers powered by 4th Gen Intel® Xeon® Scalable processors



**How to bridge the gap between
legacy infrastructure, apps,
and business models with
hybrid-capable, future-ready
Gen11 servers.**

Delivering value in today's business world depends on IT innovation: every organization needs modern apps and services that enable cutting-edge customer experiences, products, and solutions. Yet modern apps depend on modern infrastructure – an infrastructure that works from edge to cloud, simplifies complexity, and transforms data into an insight-generating business asset.

Unfortunately, legacy infrastructure is not only challenging to work with, it can become a liability and an obstacle to growth. Management drains resources, and integrating new applications is difficult or, in some cases, impossible. With the advent of the public cloud, many business and IT leaders have come to expect the speed and simplicity of scalable resources, on-demand economics, and instant procurement. However, concerns such as data sovereignty, privacy, security, and performance require that many workloads stay on premises.

To drive growth, stem the growing tide of complexity, and control costs, organizations need infrastructure that is designed for today's



modern, hybrid world. This is why Hewlett Packard Enterprise (HPE) has developed servers that both tackle these challenges and serve as a foundation for app-driven modernization.

**HPE ProLiant Gen11 Servers: An
Infrastructure Foundation for App-Driven
Modernization, Innovation, and Growth**

To succeed and thrive in today's hybrid, digital-first era, companies need a compute solution that:

- Operates closer to where data is created and lives
- Simplifies infrastructure operation and management
- Provides inbuilt, modern security
- Scales quickly, efficiently, and optimally
- Provides cost-effective options that increase financial flexibility

HPE ProLiant Gen11 servers deliver on all of these counts and – because they provide a cloud-like operating experience, on-premises hardware, and hybrid capabilities – they can bridge the gap between legacy and modern infrastructures. The result: Gen11 servers enable organizations to modernize their apps and their IT strategy.



Optimized performance for modern workloads

- Improve infrastructure performance with greater I/O bandwidth and more processor cores
- Innovate more freely with advanced GPU accelerators
- Support demanding workloads with expanded support for industry-standard protocols such as Redfish, PLDM, and SPDM



Intuitive cloud operating experience

- Modernize lifecycle management with cloud simplicity
- Unify compute management with a centralized self-service console
- Securely bring cloud agility to distributed compute infrastructure



Delivered as a service

- Save on TCO and align costs to business with HPE GreenLake
- Scale quickly to meet unpredictable demand
- Access cloud services for storage, disaster recovery, data protection, and more



Trusted security by design

- Leverage industry-leading security innovation
- Extend best-in-class security protection that begins at the level of silicon
- Build protected infrastructure with HPE's trusted supply chain

HPE ProLiant Gen11 Servers for Every Workload, Application, and Use Case

HPE ProLiant Gen11 Rack Servers for Everywhere Your Apps and Data Live

HPE ProLiant Gen11 rack servers powered by Intel® Xeon® Scalable processors are built for a wide variety of use cases, from private and hybrid cloud to virtual desktop infrastructure (VDI). Compact, efficient, and powerful, these servers are ideal for organizations that need enterprise-grade performance and scalability.

HPE ProLiant Gen11 Rack Servers for everywhere your apps data live

Edge optimized

1U, 1P
HPE ProLiant DL320 Gen11
4th Gen Intel® Xeon® Scalable Processor



Software Defined Compute and Data Management

Right-sized edge performance
Compact footprint
Single socket density

Destiny optimized

1U, 2P
HPE ProLiant DL360 Gen11
4th Gen Intel® Xeon® Scalable Processor



IT Infrastructure

General purpose virtualization
NVMe accelerated storage
Smart Cooling Module

Multi-workload optimized

2U, 2P
HPE ProLiant DL380 Gen11
4th Gen Intel® Xeon® Scalable Processor



Enterprise Business

Configuration flexibility
High storage capacity
Scalable for diverse workloads

Accelerator optimized

2U, 2P
HPE ProLiant DL380a Gen11
4th Gen Intel® Xeon® Scalable Processor



Next Gen Enterprise Workloads

Extended GPU scalability
Up to 4 Double-wide or 8 single-wide accelerators

Broad workload ecosystem

Private and Hybrid Cloud

VMware vSphere
Microsoft Azure Stack HCI

Containers

HPE Ezmeral,
Red Hat, SUSE

AI/ML and Data

Microsoft, Oracle, MongoDB,
Cassandra, TigerGraph

VDI

Citrix VAD, HP Anyware,
VMware Horizon

HPE ProLiant Gen11 Tower Servers for a Wide Range of Workloads

HPE ProLiant Gen11 tower servers with Intel® Xeon® Scalable processors offer power, efficiency, and scalability. Suitable for a range of workloads and environments, they are perfect for small- and medium-sized businesses who want infrastructure that can grow with them.

HPE ProLiant Gen11 Tower Servers with 4th Gen Intel® Xeon® Scalable processors

Powerful Tower solution for wide range of workloads

2P Tower

HPE ProLiant ML350 Gen11



The most powerful and energy efficient 2P tower

Virtualization, Productivity workhorse with the ability to scale and adapt to any environment

HPE Synergy Gen11 Composable Infrastructure for Hybrid Cloud

HPE Synergy is a composable, software-defined infrastructure for hybrid cloud environments that enable you to build flexible, fluid pools of physical and virtual resources. With Intel® Xeon® Scalable processors, this powerful infrastructure platform can support any workload within hybrid cloud environments.

HPE Synergy 480 Gen11 – Target Workloads

Client Virtualization

Data Management

Business Applications

Data Analytics/Big Data



Virtualization

Private/Hybrid Cloud

Containers

DevOps

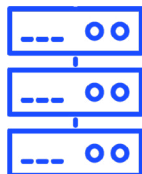
Software-Defined Storage

Powering Next-Gen Apps and Infrastructure with Intel® Xeon® Scalable Processors

HPE Gen11 servers powered by 4th Gen Intel® Xeon® Scalable processors have the most built-in accelerators of any CPU on the market and are optimized for performance and efficiency, enabling them to support the most demanding and diverse workloads, while reducing energy consumption and total cost of ownership (TCO).



AI



HPC



Analytics



Storage



Networking



Security



Cloud



Edge



Modernize Legacy Infrastructure and Thrive in the Era of Change

With Logicalis, HPE, and Intel

Today, organizations of every size are required to do more with less, while IT teams must keep up with a technology landscape that evolves by the day. Managing, maintaining, and optimizing IT infrastructure is critical to meeting these objectives, but in an era of constant change, these core IT tasks can pull valuable resources from strategic business initiatives.

If your organization is interested in modernizing infrastructure and freeing up internal IT resources, Logicalis can help. An HPE partner since 1993, we have supported enterprises and organizations around the globe modernize, manage, and maintain their infrastructure with a wide range of HPE solutions, including Gen11 servers.

To learn more about HPE Gen11 servers, Intel technology, and Logicalis' Professional and Managed Services, contact us today to schedule a free executive briefing.

Schedule Your Complimentary Executive Briefing
logicalis-hub.com/hpe