

Overview

Shape the Future of QuickSpecs – Your Input Matters

HPE ProLiant for Azure Local

Azure Local

While the use of cloud architecture is growing fast within enterprises, not all workloads are suitable for public cloud. Data sovereignty, privacy, intellectual property concerns, compliance, performance, and network latency make public cloud infeasible or impractical for certain workloads and applications. Private and hybrid cloud solutions can bridge this gap, but designing, deploying, and supporting them on your own can be complicated, risky, and expensive.

Azure Local is a Microsoft Azure hybrid cloud offering allowing customers to operate infrastructure across distributed locations enabled by Azure Arc. Azure Local allows customers to run virtual machines (VMs), containers, and select Azure services with Azure Local on premises, in a manner consistent with the Azure cloud. As documented by **Microsoft**, the following represent some of the features provided by Azure Local:

- Cloud-based operations - Use Azure tools and APIs for more consistent infrastructure provisioning and lifecycle operations across distributed locations.
- Central management and visibility - Monitor, update, and secure Azure Local infrastructure directly from the Azure portal using familiar Azure services.
- Support for diverse workloads - Run containers, VMs, and select Azure services—including Azure Virtual Desktop and Azure IoT Operations—side by side.
- Multiple-node clustering - Increase resilience and uptime with high availability and robust software-defined storage.
- Cloud-based VM management - Expand cloud practices with VM extensions, Azure Marketplace images, templates, and role-based access control (RBAC).
- Integrated Azure Kubernetes Service (AKS) experience - Simplify Kubernetes management and enhance developer productivity with built-in AKS.
- Cost-effective migration - Reduce costs by moving workloads from other on-premises virtualization platforms.
- Hardened security by default - Safeguard workloads with a stronger security posture and advanced capabilities like Trusted Launch and network segmentation.

Microsoft, with Azure Local, has been recognized as a leader in the 2024 Gartner® Magic Quadrant™ for Distributed Hybrid Infrastructure.

HPE ProLiant for Azure Local Integrated Systems

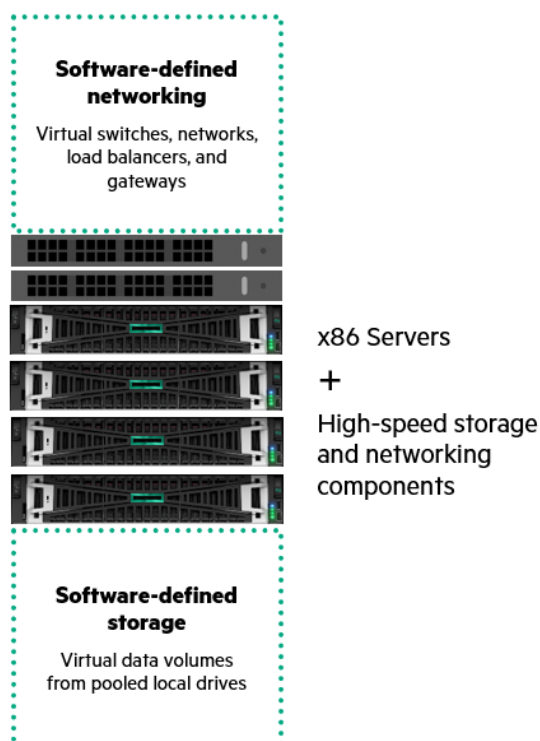
Powered by a dedicated virtualization OS platform consumed as an Azure cloud service, refreshed annually and combined with the rock solid HPE ProLiant platform, HPE ProLiant for Azure Local Integrated Systems offers the ease of an appliance-like solution experience including the security and efficiency of the HPE ProLiant platform, HPE offers multiple Azure Local Integrated Systems. All HPE ProLiant for Azure Local Integrated System solutions include:

- Scaling from a single node in non-critical environments up to 16 in single node scaling increments.
- Configuration flexibility within the envelope of server options validated for Azure Local including CPU cores, memory capacity, storage capacity, and networking.
- Factory integration to guarantee hardware configuration consistency and operating system deployment and foundational configuration and provide faster time-to-value.
- On-site hardware installation and power-up included.
- Specialized support for Azure Local based on Tech Care Essentials, where the Azure Local aware support team has not only been trained on Azure Local but also has the ability to directly open support cases with Microsoft on behalf of HPE's Azure Local Integrated System customers.

Overview

- Regular testing of Azure Local and Hewlett Packard Enterprise firmware and driver updates by HPE's Azure Local engineering team.
- Optional HPE Aruba Networking and HPE Networking Comware network switches compliant with Azure Local requirements.
- Optional OEM licensing to provide a perpetual license at a fixed cost, without subscription payments, for certain Azure services, which can be acquired at the time of purchase (only).
- Optional onsite server configuration and Azure Local instance (cluster) deployment
- Optional network switch configuration services available as separate, optional add-on service elements.

Notes: The reference to a specialized support



Base Concept - Front View

HPE and Microsoft partner to provide you with a seamless experience from initial configuration and deployment to cloud based management and the benefits of cloud services and an integrated support experience.



Standard Features

HPE ProLiant DL380 Gen11 for Azure Local Integrated System

The HPE ProLiant DL380 Gen11 for Azure Local Integrated System (P65984-B21) is designed for Enterprise, Edge, and Retail use cases and delivers the latest in performance, efficiency, reliability, serviceability and near continuous availability. The HPE ProLiant DL380 Gen11 server when delivered as an Azure Local Integrated System offers a carefully curated choice of options for demanding virtualized and hybrid workloads requiring high levels of reliability with hardware, services, and support that seamlessly integrates into Microsoft's Azure public cloud. The current curated set of options are shown in the following table. For the latest available options, please see HPE One Config Advanced or the technical white paper available at

<https://www.hpe.com/us/en/alliance/microsoft/azurestackhci.html>.

Component	Options
Node count	1 – 16 nodes per Azure Local instance
Processors	2 Intel 4 th or 5 th generation Xeon processors per node with options in the following ranges: • Intel Xeon-Silver, Intel Xeon-Gold, or Intel Xeon-Platinum • 8 – 64 cores per processor • 1.7 – 3.9GHz per processor • 125 – 350W per processor
Memory	2 – 32 DIMMs (in pairs) for a max per node of 4096 GB with the following DIMM options: • 16 GB 1RX8 • 32 GB 2RX8 • 64 GB 2RX4 • 128 GB 4RX4
Boot device	1 NS204i-u Gen11 Hot Plug Boot Optimized Storage Device with 2x 480 GB M.2 NVMe SSDs
Storage	MR216i-o with: • 2 – 16 Mixed Use SSD drives • 960GB – 6.4 TB per drives • 102.4 TB max per node -or- Direct attached NVMe SSD with: • 2 – 16 Mixed Use or Read Intensive NVMe SSD drives • 800GB – 15.36 TB • 245.76 TB max per node
Network	1 – 3 Mellanox MCX6 2-port adapters: • 10/25 Gb SFP28 -or- • 100 Gb QSFP56
Graphics Options	0 – 2 NVIDIA GPUs: • A16 64 GB • L4 24 GB • L40 48 GB -or- 0 – 1 NVIDIA GPUs: • L40S 48 GB
Power Supply	Any 2 of the following: • 1000W Flex Slot Titanium Hot Plug • 1600W Flex Slot Platinum Hot Plug • 1800W-2200W Flex Slot Titanium Hot Plug



Standard Features

Other options	The following additional options can be optionally ordered using the HPE One Config Advanced ordering tool: • 50 different switch uplink transceivers • 11 different server transceivers • 11 different direct attach copper cables • CAT6 STP cable
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For more information on the HPE ProLiant DL380 Gen11 server, visit: <https://www.hpe.com/psnow/doc/a50004307enw>
 For the latest available options orderable with the HPE ProLiant for Azure Local solution, please see the affiliated Wizard and Menus in HPE One Config Advanced.

HPE ProLiant DL145 Gen11 for Azure Local Integrated System

The HPE ProLiant DL145 Gen11 for Azure Local Integrated System (P78955-B21) is designed for Edge, Retail and Manufacturing use cases for demanding virtualized and hybrid workloads requiring environmental flexibility and acoustic configurability with hardware, services, and support that seamlessly integrates into Microsoft's Azure public cloud. The current curated set of options are shown in the following table. For the latest available options, please see HPE One Config Advanced or the technical white paper available at <https://www.hpe.com/us/en/alliance/microsoft/azurestackhci.html>.

Component	Options
Node count	1 – 16 nodes per Azure Local instance
Processors	1 AMD Sienna processor per node with options in the following ranges: • 8 – 64 cores per processor • 2.0 – 2.65GHz per processor • 90 – 200W per processor
Memory	1 – 6 DIMMs (in pairs) for a max per node of 768 GB with the following DIMM options: • 32 GB Dual Rank x8 DDR5-4800 CAS-40-39-39 EC8 • 64 GB Dual Rank x4 DDR5-4800 CAS-40-39-39 EC8 • 96 GB Dual Rank x4 DDR5-4800 CAS-46-45-45 EC8 • 128 GB Dual Rank x4 DDR5-4800 CAS-40-39-39 EC8
Boot device	1 NS204i-u Gen11 Hot Plug Boot Optimized Storage Device with 2x 480 GB M.2 NVMe SSDs
Storage	Direct attached NVMe SSD with: • 2 – 6 Mixed Use or Read Intensive NVMe SSD drives • 1.6 - 15.36 TB E3S EC1 EDSFF • 92.16TB max per node
Network	0-1 of the following OCP3 adapters: • Broadcom BCM57412 10Gb 2-port SFP+ • Broadcom BCM57416 10Gb 2-port BASE-T • Broadcom BCM57414 10/25Gb 2-port SFP28 • Broadcom BCM57504 10/25Gb 4-port SFP28 • Mellanox MCX631432A-ADAI 10/25Gb 2-port SFP28 0 – 3 of any one of the following PCIe adapters: • Broadcom BCM57412 10Gb 2-port SFP+ • Broadcom BCM57416 10Gb 2-port BASE-T • Broadcom BCM57414 10/25Gb 2-port SFP28 • Broadcom BCM57504 10/25Gb 4-port SFP28 • Mellanox MCX631432A-ADAI 10/25Gb 2-port SFP28
Graphics Options	0 – 2 NVIDIA GPUs: • L4 24 GB



Standard Features

Power Supply	Any 2 of the following: 700W Flex Slot Platinum Hot Plug Low Halogen 900W – 1000W Flex Slot Titanium Hot Plug Low Halogen
Other options	The following additional options can be optionally ordered using the HPE One Config Advanced ordering tool: - HPE Bezel Lock Kit - HPE DL145 Gen11 FIO Bezel Filter Kit - HPE DL145 Gen11 RJ45 Serial Port Cbl Kit - HPE DL145 Gen11 Desk/Wall Mount Kit - HPE DL145 Gen11 Rack Enable Kit - HPE Gen11 2U Cable Management Arm Kit - HPE Easy Install Rail 1 Kit 18 different HPE C13 Power Cables >30 different switch uplink transceivers >5 different server transceivers >5 different direct attach copper cables - CAT6 STP cables

For more information on the HPE ProLiant DL145 Gen11 server, visit: <https://www.hpe.com/psnow/doc/a50009217enw>

For the latest available options orderable with the HPE ProLiant for Azure Local solution, please see the affiliated Wizard and Menus in HPE One Config Advanced.

Notes: Azure Local uses a Microsoft Windows Server technology known as Network ATC. This technology utilizes the concept of ‘network intents’ to define the usage of one or more network adapter ports and apply an appropriate configuration to those ports, according to Microsoft’s best practices. If multiple ports (up to 8) are configured as part of the same network intent, and depending on the intent type, Network ATC may configure those ports in a team or set of bonded ports to increase potential throughput and resiliency for the affiliated traffic. Due to the variance that can exist between adapter manufactures and models, including feature differentials, Microsoft requires that any ports that are combined in a single network intent must be from the same make and model of network adapter. For example: Combining ports from a Broadcom and Mellanox adapter would not be permitted because they are from different manufactures and are a different model of network adapter. Combining ports from a Mellanox adapter in an OCP3 slot and from a Mellanox adapter in a PCIE slot would not be permitted because they are from a different model of network adapter.

Network Switches

Available HPE network switch options (TOR/Top-of-rack and management switches) include the following models grouped into two sets of matching HPE Aruba Networking and HPE Networking Comware switches that meet Azure Local switch capability requirements and certification process:

HPE Aruba Networking		
TOR Switch	Management Switch	TAA compliant
HPE Aruba Networking 8325 (10/25 or 100 GbE)	HPE Aruba Networking 6300M	X
HPE Networking Comware		
TOR Switch	Management Switch	TAA compliant
HPE Networking Comware 5945 (10/25 or 100 GbE)	HPE Networking Comware 5901AF	

Switch selections must offer a speed compatible with that of the Azure Local server network adapters chosen. Compatible SFPs, direct-attached cables, or CAT6 cables must be considered when ordering a solution.



Standard Features

Optional network switch configuration services are automatically attached when network switches are included in the order to help speed up your solution deployment and ensure your network infrastructure implementation complies with the Azure Local network requirements. Please see “Optional Services” below for details.

Notes: Both 10GbE and 100GbE TOR switch options are available for the HPE ProLiant DL380 Gen11 for Azure Local Integrated System. However, only the 10GbE TOR switch option is available for the HPE ProLiant DL145 Gen11 for Azure Local Integrated System.

Racks

For more information on HPE racks, visit: <https://www.hpe.com/psnow/doc/a00002907enw>

For the latest available options orderable with the HPE ProLiant for Azure Local solution, please see the affiliated Wizard and Menus in HPE One Config Advanced.

Optional Software License Bundle Exclusively for Azure Local Integrated Systems: Microsoft Azure Stack HCI + AKS Package with Windows Server 2022 OEM license bundle

Available only at the time of purchase of HPE ProLiant for Azure Local Integrated Systems, the license bundle offers the following benefits:

- License the three included software and service elements at a one-time license fee with no monthly subscription payments normally incurred for Azure Local and Azure Kubernetes Services Hybrid running on the licensed node
 - Attractively priced, the bundle offers significant savings compounded over time compared to Microsoft’s published monthly Azure subscription payments for Azure Local and AKS continuing over the entire active use time of an Azure Local node
 - The Azure Stack HCI + AKS Package with Windows Server 2022 OEM bundle is a CPU core based license with the total number of physical processor cores in a server that need to be licensed (a minimum licensing requirement of 16 cores applies – similar to the licensing minimum of Windows Server or stand-alone Azure Stack HCI OS)
- Flexibility: Can be rolled into an HPE Greenlake Flex Solutions consumption as-a-service contract if desired or purchased along with the node through a one-time payment
- Exclusive option for HPE ProLiant for Azure Local Integrated Systems as a one time “flat fee” software licensing model is the preferred way to license Azure Stack HCI OS, Azure Kubernetes Services Hybrid, and Windows Server 2022 Datacenter
 - Azure Stack HCI OS is Microsoft’s premium virtualization OS.
 - The license bundle is an OEM type license and is bound to the Azure Local node it is purchased with and not transferrable to another server.
 - The license is fully digital so there are no product keys or any physical items required for the license to be functional. The invoice for the Azure Local Integrated System showing that the bundle license has been purchased as an option along with the system serves as proof of purchase and license.
 - The Azure Stack HCI OS is preloaded on the Azure Local Integrated System nodes, the Azure Kubernetes Services Hybrid components are downloaded from Azure when the service is activated, and the Windows Server 2022 Datacenter images can be **downloaded as needed from the Azure** Portal (as the Windows Server 2022 Datacenter Azure Edition image) or an existing Windows Server 2022 Datacenter media can be used in combination with the **static Datacenter AVMA guest/client key** (<https://learn.microsoft.com/en-us/windows-server/get-started/automatic-vm-activation?tabs=server2022#avma-keys>). Please see the following link for details and steps to activate: <https://learn.microsoft.com/en-us/azure-stack/hci/manage/vm-activate?tabs=azure-portal>



Standard Features

Installation and Deployment Services for Azure Local Integrated Systems

Following physical delivery of the solution, the following on-site services are delivered to complete the deployment and integration of the solution into the environment:

- On-site installation and start-up
 - Installation of the solution rack into the datacenter if an HPE rack is selected.
 - Installation of servers and switches into a customer provided rack if an HPE rack is not selected.
 - Hardware check & visual acknowledgment that all hardware components have power.
 - Cabling check to confirm all components are properly connected.

Optional Services: HPE Deployment Accelerator Service for Azure Local

Service Benefits

- Remote project management to manage all aspects of the services engagement.
- Assist the Customer in rapidly implementing HPE ProLiant for Azure Local solutions.
- Validate core functionality following the solution implementation.
- Provide basic solution-level knowledge transfer
- This service is automatically attached but can be removed if desired.

Service Feature Highlights

- Pre-deployment readiness tracking
- Windows Admin Center deployment and/or configuration
- Azure Local node server hardware configuration
- Azure Local operating system configuration
- Azure Local instance (cluster) creation
- Customer handoff

HPE Deployment Accelerator Service for Azure Local – data sheet:

<https://www.hpe.com/psnow/doc/a50008804ENW>

Optional Services: HPE Network Integration Service for Azure Local (on-site switch configuration service)

- Hewlett Packard Enterprise will work remotely with customer to coordinate the necessary activities, including identifying any service prerequisites, and schedule delivery of the service.
- As part of the network integration activities, HPE will perform the following tasks:
 - Evaluate and assist the customer with retrofit of network and uplink configuration on up to two customer-provided switches limited to the requirements of Azure Local and based on the target data center parameters as documented and mutually agreed to by HPE and the customer.
 - Update the optional/if included two top of rack and single management switch configurations limited to the requirements of Azure Local and based on the target data center parameters as documented and mutually agreed to by the customer and HPE
 - Update IP addresses for the solution's included devices (up to three switches, up to 16 HPE ProLiant Servers limited to the requirements of the Azure Local and based on the target data center parameters as documented and mutually agreed to by the customer and HPE

HPE Networking Services – Time Blocks and Unit of Service - data sheet:

<https://www.hpe.com/psnow/doc/a50012042enw>

Notes: Additional consulting services are available to cover requirements beyond those listed above.



Standard Features

For additional information, please contact your HPE account team, HPE Services representative, partner account manager, or visit:

- HPE Factory Express: <https://www.hpe.com/info/factoryexpress>
- HPE Installation Service: <https://www.hpe.com/psnow/doc/5981-9356enw>

HPE Services Consulting Advisory Services for Azure Local: <https://www.hpe.com/services/consulting>



Service and Support

HPE Services

No matter where you are in your digital transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

<https://www.hpe.com/services>

Consulting Services

No matter where you are in your journey to hybrid cloud, experts can help you map out your next steps. From determining what workloads should live where, to handling governance and compliance, to managing costs, our experts can help you optimize your operations.

<https://www.hpe.com/services/consulting>

HPE Managed Services

HPE runs your IT operations, providing services that monitor, operate, and optimize your infrastructure and applications, delivered consistently and globally to give you unified control and let you focus on innovation.

[HPE Managed Services | HPE](#)

Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources. Meet service-level targets and business objectives with features designed to drive better business outcomes.

<https://www.hpe.com/services/operational>

HPE Complete Care Service

HPE Complete Care Service is a modular, edge-to-cloud IT environment service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals through a personalized experience. All delivered by an assigned team of HPE Services experts. HPE Complete Care Service provides:

- A complete coverage approach -- edge to cloud
- An assigned HPE team
- Modular and fully personalized engagement
- Enhanced Incident Management experience with priority access
- Digitally enabled and AI driven customer experience

<https://www.hpe.com/services/completecure>

HPE Tech Care Service

HPE Tech Care Service is the operational support service experience for HPE products. The service goes beyond traditional support by providing access to product specific experts, an AI driven digital experience, and general technical guidance to not only reduce risk but constantly search for ways to do things better. HPE Tech Care Service delivers a customer-centric, AI driven, and digitally enabled customer experience to move your business forward. HPE Tech Care Service is available in three response levels. Basic, which provides 9x5 business hour availability and a 2-hour response time. Essential which provides a 15-minute response time 24x7 for most enterprise level customers, and Critical which includes a 6-hour repair commitment where available and outage management response for severity 1 incidents.

<https://www.hpe.com/services/techcare>



Service and Support

HPE Lifecycle Services

HPE Lifecycle Services provide a variety of options to help maintain your HPE systems and solutions at all stages of the product lifecycle. A few popular examples include:

- Lifecycle Install and Startup Services: Various levels for physical installation and power on, remote access setup, installation and startup, and enhanced installation services with the operating system.
- HPE Firmware Update Analysis Service: Recommendations for firmware revision levels for selected HPE products, taking into account the relevant revision dependencies within your IT environment.
- HPE Firmware Update Implementation Service: Implementation of firmware updates for selected HPE server, storage, and solution products, taking into account the relevant revision dependencies within your IT environment.
- Implementation assistance services: Highly trained technical service specialists to assist you with a variety of activities, ranging from design, implementation, and platform deployment to consolidation, migration, project management, and onsite technical forums.
- HPE Service Credits: Access to prepaid services for flexibility to choose from a variety of specialized service activities, including assessments, performance maintenance reviews, firmware management, professional services, and operational best practices.

Notes: To review the list of Lifecycle Services available for your product go to:

<https://www.hpe.com/services/lifecycle>

For a list of the most frequently purchased services using service credits, see the [HPE Service Credits Menu](#)

Other Related Services from HPE Services:

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Broad catalogue of course offerings to expand skills and proficiencies in topics ranging from cloud and cybersecurity to AI and DevOps. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

<https://www.hpe.com/services/training>

Defective Media Retention

An option available with HPE Complete Care Service and HPE Tech Care Service and applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and services options.

Parts and Materials

HPE will provide HPE-supported replacement parts and materials necessary to maintain the covered hardware product in operating condition, including parts and materials for available and recommended engineering improvements.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

How to Purchase Services

Services are sold by Hewlett Packard Enterprise and Hewlett Packard Enterprise Authorized Service Partners:

- Services for customers purchasing from HPE or an enterprise reseller are quoted using HPE order configuration tools.
- Customers purchasing from a commercial reseller can find services at <https://ssc.hpe.com/portal/site/ssc/>



Service and Support

AI Powered and Digitally Enabled Support Experience

Achieve faster time to resolution with access to product-specific resources and expertise through a digital and data driven customer experience.

Sign into the HPE Support Center experience, featuring streamlined self-serve case creation and management capabilities with inline knowledge recommendations. You will also find personalized task alerts and powerful troubleshooting support through an intelligent virtual agent with seamless transition when needed to a live support agent.

<https://support.hpe.com/hpesc/public/home/signin>

Consume IT On Your Terms

HPE GreenLake edge-to-cloud platform brings the cloud experience directly to your apps and data wherever they are—the edge, colocations, or your data center. It delivers cloud services for on-premises IT infrastructure specifically tailored to your most demanding workloads. With a pay-per-use, scalable, point-and-click self-service experience that is managed for you, HPE GreenLake edge-to-cloud platform accelerates digital transformation in a distributed, edge-to-cloud world.

- Get faster time to market
- Save on TCO, align costs to business
- Scale quickly, meet unpredictable demand
- Simplify IT operations across your data centers and clouds

To learn more about HPE Services, please contact your Hewlett Packard Enterprise sales representative or Hewlett Packard Enterprise Authorized Channel Partner. Contact information for a representative in your area can be found at "Contact HPE"

<https://www.hpe.com/us/en/contact-hpe.html>

For more information

<http://www.hpe.com/services>



Configuration Information

How to Order HPE ProLiant for Azure Local

Start by determining the workloads and services you plan to host on Azure Local. Your HPE account representative or channel partner can help guide you through the options regarding node count, node configuration, racking, services, and support to arrive at a solution tailored to the specific needs of your business.

Complete Solutions include

- Two top-of-rack (TOR) switches and one management switch, either HPE Aruba Networking or HPE Networking Comware, or customer provided networking
- 1 - 16 configurable HPE ProLiant Gen 11 Servers
- Factory preloaded Azure Stack HCI OS
- One rack from multiple HPE racking options or a customer provide rack (with onsite racking services)
- On-site racking and power-on services for the ordered nodes included
- Optional perpetual OEM licensing bundle for Azure Local
- HPE Tech Care 3-year minimum, or multiple other options for Azure Local platform and software support
- Azure Local solution deployment services for initial cluster setup or expansion node(s) (optional)
- Azure Local network switch configuration services (optional)

Notes:

- The solution supports scaling in single server increments. Any number of nodes between the min/max range can be ordered.
- Customer provided TOR and Management switches must comply with network switch requirements listed at: <https://learn.microsoft.com/en-us/azure/azure-local/concepts/physical-network-requirements>

The HPE ProLiant for Azure Local Integrated Systems are factory integrated solutions.

Notes: The Azure Stack HCI OS software image will be installed in the factory. Client licenses are not included for VM or container-based instances. Azure Local service pricing is based on the total number of processor cores in a node and billed by Microsoft, HPE acting as CSP (optional), or the CSP of record – unless the OEM license bundle is acquired at the time of purchase. See the section related to the OEM license bundle for more information.

Solution Configuration

Determine which platform is the most appropriate for your needs.

HPE ProLiant DL380 Gen11 Server for Azure Local Integrated System	P65984-B21
HPE ProLiant DL145 Gen11 Server for Azure Local Integrated System	P78955-B21
HPE ProLiant DL380 Gen11 Server for Azure Local Integrated System	P65984-B21

The following components will be automatically included:

Component	HPE ProLiant DL380 Gen11 for Azure Local Integrated System	HPE ProLiant DL145 Gen11 for Azure Local Integrated System
Server Platform	Included	Included
Boot device	Included	Included
High Performance Fan Kit	Included	Included
Bezel	Included	Included
BIOS configuration in-factory	Included	Included
OS Installation in-factory	Included	Included
Heat Sink Kit	Included	Included
Rail kit	Included	
Secondary Riser	Included	

Notes: Compute node configurations must be identical for all nodes in a cluster.



Configuration Information

The following compute related components are Wizard selectable:

Component	HPE ProLiant DL380 Gen11 for Azure Local Integrated System	HPE ProLiant DL145 Gen11 for Azure Local Integrated System
Node quantity	1-16 nodes	1-16 nodes
Identify HPE as the Cloud Service Provider	Wizard selectable if a new Azure Subscription is required	Wizard selectable if a new Azure Subscription is required
Processor	Wizard selectable - 2 processors	Wizard selectable - 1 processors
Memory	Wizard selectable – 2-32 DIMMs	Wizard selectable – 1-6 DIMMs
Graphics Options	Wizard selectable – 0-2 GPUs	Wizard selectable – 0-2 GPUs; quantity dependent of PCI Riser selection and number of other PCI devices
Power Supply	Wizard selectable	Wizard selectable
iLO Common Password	Wizard selectable	Wizard selectable
USB port disablement		Wizard selectable
HPE Bezel Lock Kit	Available in compute node menu	Wizard selectable
Serial Port Cable Kit		Wizard selectable

The following rack related components are Wizard selectable:

Component	HPE ProLiant DL380 Gen11 for Azure Local Integrated System	HPE ProLiant DL145 Gen11 for Azure Local Integrated System
Rack selection	Wizard selectable – Virtual Rack if customer uses an existing rack; onsite rack option available as required in certain countries	Wizard selectable – Virtual Rack if customer uses an existing rack; onsite rack option available as required in certain countries
Desk/Wall Mount Kit	Not applicable	Wizard selectable – can be used with Rack onsite rack selection
Rack Enable Kit	Not applicable	Wizard selectable – can be used with any rack option except Desk/Wall Mount kit
Easy Install Rail Kit	Included	Wizard selectable - requires Rack Enable Kit
Cable Management Kit	Available in compute node menu	Wizard selectable - requires Easy Install Rail Kit

The following switch-related components are Wizard selectable:

Component	HPE ProLiant DL380 Gen11 for Azure Local Integrated System	HPE ProLiant DL145 Gen11 for Azure Local Integrated System
Switch block	Wizard selectable – selectable type (HPE networking or Aruba) and throughput (10G or 100G) or customer provided networking option	Wizard selectable – selectable type (HPE networking or Aruba) or customer provided networking option

The following storage related components are Wizard selectable:

Component	HPE ProLiant DL380 Gen11 for Azure Local Integrated System	HPE ProLiant DL145 Gen11 for Azure Local Integrated System
Drive Cages	No end-user selectable options	Wizard selectable
Storage block type	Wizard selectable	No variation available
Storage drive type	Wizard selectable	Wizard selectable
Storage drive quantity	Wizard selectable	Wizard selectable



Configuration Information

The following PCI Riser related components are Wizard selectable:

Component	HPE ProLiant DL380 Gen11 for Azure Local Integrated System	HPE ProLiant DL145 Gen11 for Azure Local Integrated System
PCI Riser	No end-user selectable options	Wizard selectable – options selected dictates number of PCI devices (GPUs and network adapters) that can be added to the server

The following Network Adapter related components are Wizard selectable:

Component	HPE ProLiant DL380 Gen11 for Azure Local Integrated System	HPE ProLiant DL145 Gen11 for Azure Local Integrated System
OCP Adapter	Not applicable	Wizard selectable – it is recommended that all network adapters be of the same manufacturer and family
PCI Adapter	Wizard selectable	Wizard selectable – it is recommended that all network adapters be of the same manufacturer and family
PCI Adapter Quantity	Wizard selectable	Wizard selectable – dependent on PCI Riser selection and quantity of GPUs

The following software and services related components are Wizard selectable:

Component	HPE ProLiant DL380 Gen11 for Azure Local Integrated System	HPE ProLiant DL145 Gen11 for Azure Local Integrated System
Management software	Wizard selectable	Wizard selectable
Deployment services	Wizard selectable	Wizard selectable

The following additional tabs exist with the affiliated Wizard selectable components:

Component	HPE ProLiant DL380 Gen11 for Azure Local Integrated System	HPE ProLiant DL145 Gen11 for Azure Local Integrated System
Power Cords	Available in compute node menu	Wizard selectable
Uplink Transceivers	Wizard selectable	Wizard selectable
Cables	Wizard selectable	Wizard selectable
Server Transceivers	Wizard selectable	Wizard selectable

For technical specifications applicable to your specific system configuration, please refer to the appropriate QuickSpecs:

HPE ProLiant DL380 Gen11 QuickSpecs: <https://www.hpe.com/psnow/doc/a50004307enw>

HPE ProLiant DL145 Gen11 QuickSpecs: <https://www.hpe.com/psnow/doc/a50009217enw>

Notes: To obtain configuration specific server power and thermal sizing estimates for facilities planning purposes use the HPE Power Advisor at: <https://poweradvisor.ext.it.hpe.com/?Page=Index>



Technical Specifications

Environmental-Friendly Products and Approach

End-of-Life Management and Recycling

Hewlett Packard Enterprise offers end-of-life Hewlett Packard Enterprise product return, trade-in, and recycling programs in many geographic areas. For more information, visit: <https://www.hpe.com/info/recycle> or contact your nearest Hewlett Packard Enterprise sales office. Products returned to Hewlett Packard Enterprise will be recycled, recovered, or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard Enterprise web site at: <https://www.hpe.com/info/recycle>. These instructions may be used by recyclers and other WEEE treatment facilities as well as Hewlett Packard Enterprise OEM customers who integrate and re-sell Hewlett Packard Enterprise equipment.



Summary of Changes

Date	Version History	Action	Description of Change
28-Jul-2025	<u>Version 7</u>	Changed	Survey link updated.
05-May-2025	<u>Version 6</u>	Changed	Rebranding from Microsoft Azure Stack HCI to Azure Local; structure change allowing the inclusion of the HPE ProLiant DL145 Gen11 for Azure Local; general updates to content in all sections
16-Dec-2024	<u>Version 5</u>	Changed	Standard Features section was updated.
05-Aug-2024	<u>Version 4</u>	Changed	Overview, Standard features, and Configuration Information sections were updated.
19-Feb-2024	<u>Version 3</u>	Changed	Networking product names were updated.
08-Jan-2024	<u>Version 2</u>	Changed	Service and Support section was updated
02-Oct-2023	<u>Version 1</u>	New	New QuickSpecs



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