

HPE ProLiant for Microsoft Azure Stack (Gen10)

Deliver Azure-consistent services from your data center

Agile: Easy deployment of apps to Azure private and public cloud

- Consistent development environment for applications deployed to either on-premises Azure Stack or Azure public cloud
- Configurable solution allows to meet application requirements by selecting processor, memory, and storage options

Enterprise quality: Co-engineered by Hewlett Packard Enterprise and Microsoft for rapid deployment and ease of management

- Host Azure-consistent services in your data center to meet security, data sovereignty, compliance, performance, and cost requirements
- Built on HPE ProLiant technologies for superior value, performance, and alignment with data center technology standards
- Deliver on-premises services with enterprise-class reliability and performance running on an integrated solution

Simplify operations: Powerful infrastructure automation and lifecycle management

- Optional single vendor support for Azure and Azure Stack solution including remote management
- Global HPE, Microsoft, and channel partner expertise to help meet all your business requirements

Agility to easily deploy apps and meet business needs

Enterprises of all types and sizes are embracing hybrid cloud to increase agility and better meet the needs of the apps that fuel business growth. To meet your application and business needs, you will need to simplify management, increase usability, and optimize economics on your right mix of both Azure public cloud and private cloud, as well as traditional IT. Leveraging both industry-leading innovation and the right expertise to help deploy your Azure hybrid cloud are critical to your success.

Fast, easy deployment, and simplified management

HPE ProLiant for Microsoft® Azure Stack is a hybrid cloud solution that allows organizations to run Azure-consistent services in their data center, providing a simplified development, management, and security experience that is consistent with Azure public cloud services.

The **hybrid cloud solution** is co-engineered by Hewlett Packard Enterprise and Microsoft, allowing businesses to maintain data sovereignty; run high performance analytics, Big Data, and low-latency applications; support edge and disconnected applications; and deploy applications to either Azure public or private cloud.

HPE ProLiant for Microsoft Azure Stack offers true solution-level flexibility. Certified firmware and Azure Stack software updates are validated and orchestrated to reduce disruption. Also, Azure's common API allows you to develop and run each of your apps on the optimal cloud platform based on its needs and development phase, with a consistent portal experience. Paired with best-of-breed configuration flexibility and world-class support options, **HPE ProLiant for Microsoft Azure Stack** offers an unmatched level of value.

Best-in-class Azure hybrid cloud for accelerated results

The solution offers an unmatched hybrid cloud portfolio with HPE solutions for **hybrid cloud** operations management and unified security across Azure, Azure Stack, and traditional IT. Flexible, pay-as-you-go pricing from Hewlett Packard Enterprise also helps you to align cost and demand.

Expert consulting and support services across Microsoft Azure, Azure Stack, and hybrid cloud accelerate time to value, reduce risk, and provide consistent outcomes for both applications and your business during your cloud journey.



HPE ProLiant for Microsoft Azure Stack



Technical specifications

Microsoft Azure Stack	Hybrid cloud platform software for Azure-consistent, software-defined IaaS and PaaS	
Compute nodes	<p>Gen10 Hybrid solution</p> <p>(4–16) HPE DL380 Gen10 12LFF CTO servers each with:</p> <ul style="list-style-type: none"> • (2) HPE DL380 Gen10 6100 or 8100 Intel® Xeon® processors • (1) HPE Ethernet 10/25Gb 2P 640FLR-SFP28 FIO Adapter • (1) HPE Smart Array E208i-a Controller and HPE DL38x Gen10 12Gb SAS Expander • (1) HPE TPM Module 2.0 Kit • (1) HPE OneView • (1) HPE iLO Advanced <p>Memory choices include 384 GB, 576 GB, 768 GB, and 1.5 TB options:</p> <ul style="list-style-type: none"> • (12 or 24) HPE 32GB 2Rx4 PC4-2666V-R Smart Kit, HPE 16GB 1Rx4 PC4-2666V-R Smart Kit, or HPE 64GB 4Rx4 PC4-2666V-L Smart Kit <p>Storage options for Mixed-Use Hybrid Storage utilizing 12G SAS (6) SSDs and (12) HDDs (storage options are sized by raw storage of HDD capacity drives)</p> <ul style="list-style-type: none"> • 48 TB (10% cache ratio) • 72 TB (13% cache ratio) • 96 TB (choice of 10% or 20% cache ratio) • 120 TB (16% cache ratio) <p>Gen10 All flash solution</p> <p>(4-8) HPE DL380 Gen10 12 or 16 SFF CTO servers each with:</p> <ul style="list-style-type: none"> • (2) HPE DL380 Gen10 6100 or 8100 Intel Xeon processors • (1) HPE Ethernet 10/25Gb 2P 640FLR-SFP28 FIO Adapter • (1) HPE Smart Array P816i-a Controller • (1) HPE TPM Module 2.0 Kit • (1) HPE OneView • (1) HPE iLO Advanced <p>Memory choices include 384 GB, 576 GB, 768 GB, and 1.5 TB options:</p> <ul style="list-style-type: none"> • (12 or 24) HPE 32GB 2Rx4 PC4-2666V-R Smart Kit, HPE 16GB 1Rx4 PC4-2666V-R Smart Kit, or HPE 64GB 4Rx4 PC4-2666V-L Smart Kit <p>Storage options for Mixed-Use All Flash Storage utilizing 12G SAS SSDs (storage options are sized by raw storage of SSD capacity drives)</p> <ul style="list-style-type: none"> • 12.8 TB (16x800 GB) • 19.2 TB (12x1.6 TB) • 25.6 TB (16x1.6 TB) • 38.4 TB (12x3.2 TB) • 51.2 TB (16x3.2 TB) • 76.8 TB (12x6.4 TB) • 102.4 TB (16x6.4 TB) 	<p>Servers can be configured with a matching pair of</p> <ul style="list-style-type: none"> • HPE DL380 Gen10 8180 Xeon-P Kit GHz 2.5 x (28 cores) • HPE DL380 Gen10 8176 Xeon-P Kit GHz 2.1 x (28 cores) • HPE DL380 Gen10 8170 Xeon-P Kit GHz 2.1 x (26 cores) • HPE DL380 Gen10 8168 Xeon-P Kit GHz 2.7 x (24 cores) • HPE DL380 Gen10 8164 Xeon-P Kit GHz 2.0 x (26 cores) • HPE DL380 Gen10 8160 Xeon-P Kit GHz 2.1 x (24 cores) • HPE DL380 Gen10 8158 Xeon-P Kit GHz 3.0 x (12 cores) • HPE DL380 Gen10 8153 Xeon-P Kit GHz 2.0 x (16 cores) • HPE DL380 Gen10 6154 Xeon-G Kit GHz 3.0 x (18 cores) • HPE DL380 Gen10 6152 Xeon-G Kit GHz 2.1 x (22 cores) • HPE DL380 Gen10 6150 Xeon-G Kit GHz 2.7 x (18 cores) • HPE DL380 Gen10 6148 Xeon-G Kit GHz 2.4 x (20 cores) • HPE DL380 Gen10 6142 Xeon-G Kit GHz 2.6 x (16 cores) • HPE DL380 Gen10 6140 Xeon-G Kit GHz 2.3 x (18 cores) • HPE DL380 Gen10 6138 Xeon-G Kit GHz 2.0 x (20 cores) • HPE DL380 Gen10 6136 Xeon-G Kit GHz 3.0 x (12 cores) • HPE DL380 Gen10 6132 Xeon-G Kit GHz 2.6 x (14 cores) • HPE DL380 Gen10 6130 Xeon-G Kit GHz 2.1 x (16 cores) • HPE DL380 Gen10 6126 Xeon-G Kit GHz 2.6 x (12 cores)



HPE ProLiant for Microsoft Azure Stack (continued)

Technical specifications

Hardware lifecycle host	<ul style="list-style-type: none"> (1) HPE DL360 Gen10 8SFF CTO Server (2) HPE DL360 Gen10 Intel Xeon-Silver 4110 kit (12) HPE 8GB (1x8GB) Single Rank x8 DDR4-2666 CAS-19-19-19 Registered Memory Kit (1) HPE Smart Array P408i-a SR Gen10 (8 Internal Lanes/2GB Cache) 12G SAS Modular Controller (4) HPE 960GB SATA RI SFF SC DS SSD (1) HPE Ethernet 10/25Gb 2-port 640FLR-SFP28 Adapter (1) HPE TPM Module 2.0 Gen10 Kit (1) HPE OneView (1) Microsoft Windows Server® 2016 (1) HPE iLO Adv Premium Security Lic 3yr Support
Single Microsoft Azure Stack POC Node	<ul style="list-style-type: none"> (1) HPE ProLiant DL360 Gen10 4 SFF Configure-to-order Server (2) HPE DL360 Gen10 Intel Xeon-Silver 4110 kit (12) HPE 16GB Dual Rank x8 PC4-2666V-R Smart Kit (2) HPE 480GB SATA 6G RI SFF SSD (Cache device) (4) HPE 1TB SATA 7.2K SFF SC DS HDD (Capacity device) (1) 240GB RI SATA SSD boot device (1) E208i-a Smart Array Controller
Switches	<ul style="list-style-type: none"> (2) HPE FlexFabric 5950 48SFP28 8QSFP28 Switch (Workload) (1) HPE FlexFabric 5900AF 48G 4XG 2QSFP+ Switch (Management) (2) Arista 7160 48SFP25 6QSFP28 BF AC Switch (Workload) (1) Arista 7020RA 48T 6SFP+ AG BF AC Switch (Management)
Environment	HPE 642 mm, 1075 mm, or 1200 mm Advanced Series Shock Rack with PDUs, cabling, hardware kits, and options
Factory build/install	Factory build and services for Azure Stack including basic install and connection to customer network
HPE Support and HPE Financial Services	<ul style="list-style-type: none"> HPE Global Support HPE Network Support HPE Proactive Care Advanced Service HPE Foundation Care for Azure HPE Datacenter Care for Azure (Specialist Advice, Hybrid Support, Operations Support Services) HPE GreenLake Flex Capacity (access to scalable resources hosted in your own data center with pay-per-use monthly service fees)
HPE Professional Services options	<ul style="list-style-type: none"> HPE Microsoft Azure Advisory Workshop and POC HPE Professional Services for Azure hybrid cloud (networking, security, workload migration, hybrid identity, backup, and site recovery)
Add-on hybrid cloud solutions	Micro Focus Operations Bridge (analytics-driven, autonomous operations management across Azure Stack, Azure, and traditional IT)

Our solution partner



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