

Overview

HPE Solutions for Weka

Are your most demanding compute jobs slowed by performance bottlenecks? Workloads in Financial Services, Life Sciences, Manufacturing and artificial intelligence/machine learning need a modern data platform that eliminates those performance barriers. HPE Solutions for WEKA include purpose built Proliant Server configurations for Weka (DL325 G10 plus, DL325 plus V2 and DL360 G10 plus) that provide a scalable data platform that is ideal for performance-intensive workloads. The WEKA Data Platform is built on WekaFS, a data efficient, flash-native, POSIX file system that delivers the high IOPS and low-latency throughput needed for demanding compute requirements. The platform provides policy-based tiering, so data can span between NVMe flash to object storage in a single namespace for easy management and cost-effective economics. The same software is available in the cloud with integrated data mobility. For performance-intensive workloads the WEKA Data Platform employs an innovative storage architecture to provide performance at exabyte scale to solve today's biggest data-intensive problems.

HPE Complete - Resell of Third Party Branded Products

HPE Complete is a resource enabling the purchase of best in class third party branded products with the added reliability of Hewlett Packard Enterprise's interop assurance for a complete validated solution, all via one HPE purchase order.

Benefits

- One Stop Shop - Purchase complete solutions from HPE that include best in class third party branded products, all on a single HPE purchase order
- Validated solution - Confidence of The HPE interop assurance validation for third party branded products that complement HPE Storage & Server solutions
- Customer Experience - HPE Complete utilizes third-party expertise for installation, support, and warranty of their products. However, HPE Complete will step in to facilitate third-party issue resolution when required to assist in overall customer satisfaction. HPE products that are part of the overall solution are supported per HPE PointNext services and support purchased.
- Unique Value – Minimize risk, complexity and cost when deploying multi-vendor products and technologies into the HPE ecosystem. Many solutions come with custom HPE/Partner configuration and integration guides and tools.

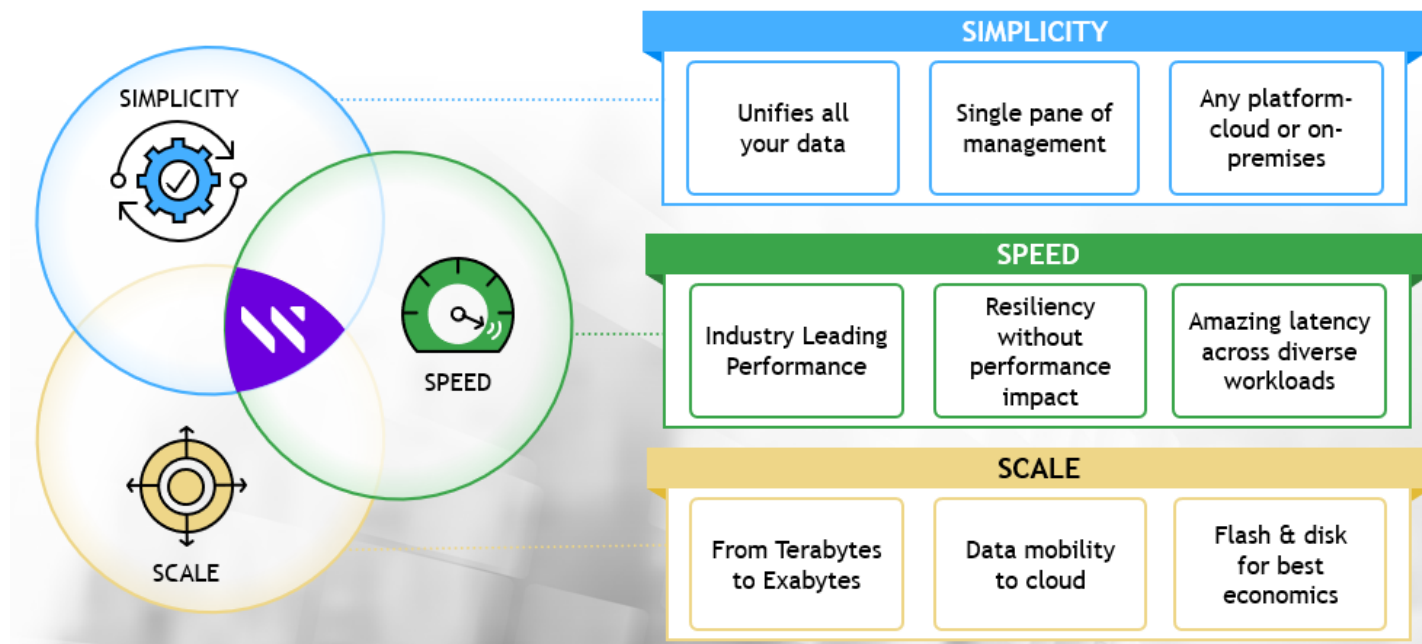
For more information please refer [HPE Complete](#) on HPE.com

HPE Solutions for Weka are made available by the HPE Complete Program. For the updated list of supported HPE Server node options, please see the HPE configuration guide for Weka:

<https://www.hpe.com/h20195/v2/Getdocument.aspx?docname=a00102194enw>

Overview

The need for a data platform that accelerates business outcomes and improves productivity



Weka Delivers Accelerated storage performance for GPU intensive workloads*

For an example of Weka's impact on AI Performance, please review the following joint whitepaper: Accelerating Performance for Production AI:

<https://www.weka.io/wp-content/uploads/files/2020/04/HPE-accelerate-performance-for-production-ai-tech-whitepaper-1.pdf>

Hewlett Packard Enterprise has made the following purpose built systems for Weka available via HPE Complete.

Models

Description

SKU

HPE ProLiant DL325 Gen10 Plus Node for Weka

HPE ProLiant DL325 Gen10 Plus 20NVMe All Flash CTO Server for Software Defined Storage

R7J61A

HPE ProLiant DL325 Gen10 Plus NVMe Configure-to-order Server for Weka Base Tracking

R7P94A

HPE Storage DL325 NVMe Data Drives Media Bundles

HPE 3.84TB NVMe Gen4 Mainstream Performance Read Intensive SFF SC 2-pack MV SSD Bundle for SDS

R7P80A

HPE 7.68TB NVMe Gen4 Mainstream Performance Read Intensive SFF SC 2-pack MV SSD Bundle for SDS

R7P82A

HPE 15.36TB NVMe Gen4 Mainstream Performance Read Intensive SFF SC U.3 2-pack CD6 SSD Bundle for SDS

R7P84A

HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF SC U.3 2-pack PM1733 SSD Bundle for SDS

R7P86A

HPE ProLiant DL325 Gen10 Plus v2 Node for Weka

HPE ProLiant DL325 Gen10 Plus v2 10 All-NVMe Configure-to-order Server for Software Defined Storage

R8V67A

HPE ProLiant DL325 Gen10 Plus v2 NVMe Configure-to-order Server for Weka Base Tracking

R8V65A

Overview

Description	SKU
HPE Storage DL325 Gen10 Plus v2 NVMe Data Drives Media Bundles	
HPE 3.84TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC 2-pack MV SSD Bundle for SDS	R8V69A
HPE 7.68TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC 2-pack MV SSD Bundle for SDS	R8V70A
HPE ProLiant DL360 Gen10 Plus Node for Weka	
HPE ProLiant DL360 Gen10 Plus 10 All-NVMe Configure-to-order Server for Software Defined Storage	R8V68A
HPE ProLiant DL360 Gen10 Plus NVMe Configure-to-order Server for Weka Base Tracking	R8V63A
HPE Storage DL360 Gen10 Plus NVMe Data Drive Media Bundles	
HPE 3.84TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC 2-pack MV SSD Bundle for SDS	R8V69A
HPE 7.68TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC 2-pack MV SSD Bundle for SDS	R8V70A
HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 2-pack PM1733 SSD Bundle for SDS	R8V71A

Notes:

- WekaFS v3 subscriptions are sold based on raw capacity, with a license required for every 1TB of storage capacity.
- WekaFS v3 will be starting EOL process in Feb 2023 and will be available for a very limited time.
- HPE recommends deploying Weka Performance Edition v4.

Weka v3.x Subscription Licenses

WekaFS Software SKUs for NVMe Storage

Weka File System per TB 1-year Subscription E-LTU	R6S58AAE
Weka File System per TB 3-year Subscription E-LTU	R6S59AAE
Weka File System per TB 5-year Subscription E-LTU	R6S60AAE
Weka File System Education/Government per TB 1-year Subscription E-LTU	R6S61AAE
Weka File System Education/Government per TB 3-year Subscription E-LTU	R6S62AAE
Weka File System Education/Government per TB 5-year Subscription E-LTU	R6S63AAE

WekaFS v3.x Software SKUs for Tiering to Object Storage

Weka Object Tiering per TB 1-year Subscription E-LTU	R6S64AAE
Weka Object Tiering per TB 3-year Subscription E-LTU	R6S65AAE
Weka Object Tiering per TB 5-year Subscription E-LTU	R6S66AAE
Weka Object Tiering Education/Government per TB 1-year Subscription E-LTU	R6S67AAE
Weka Object Tiering Education/Government per TB 3-year Subscription E-LTU	R6S68AAE
Weka Object Tiering Education/Government per TB 5-year Subscription E-LTU	R6S69AAE

Weka v4.0 Software Subscription SKUs

Notes: Weka v4.0 subscriptions are sold based on usable capacity, with a license required for every 1TB of usable capacity. Usable capacity may be calculated by simply entering raw capacity into the Weka Sizer <https://hpe.sizer.weka.io>

Weka v4.0 Software Subscription SKUs

WEKA Performance Edition per TB 1-year Subscription E-LTU	SOV14AAE
WEKA Performance Edition per TB 3-year Subscription E-LTU	SOV15AAE
WEKA Performance Edition per TB 5-year Subscription E-LTU	SOV16AAE
WEKA Performance Edition SLED per TB 1-year Subscription E-LTU	SOV17AAE
WEKA Performance Edition SLED per TB 3-year Subscription E-LTU	SOV18AAE
WEKA Performance Edition SLED per TB 5-year Subscription E-LTU	SOV19AAE



Overview

Description	SKU
WEKA Performance Edition Federal per TB 1-year Subscription E-LTU	SOV20AAE
WEKA Performance Edition Federal per TB 3-year Subscription E-LTU	SOV21AAE
WEKA Performance Edition Federal per TB 5-year Subscription E-LTU	SOV22AAE
WEKA Performance Edition 1-month Co-term Subscription E-LTU	SOV23AAE
WEKA Performance Edition SLED 1-month Co-term Subscription E-LTU	SOV24AAE
WEKA Performance Edition Federal 1-month Co-term Subscription E-LTU	SOV25AAE
WEKA Data Protection Option per Cluster 1-year Subscription E-LTU	SOV29AAE
WEKA Data Protection Option per Cluster 3-year Subscription E-LTU	SOV30AAE
WEKA Data Protection Option per Cluster 5-year Subscription E-LTU	SOV31AAE
WEKA Data Protection Option SLED per Cluster 1-year Subscription E-LTU	SOV85AAE
WEKA Data Protection Option SLED per Cluster 3-year Subscription E-LTU	SOV86AAE
WEKA Data Protection Option SLED per Cluster 5-year Subscription E-LTU	SOV87AAE
WEKA Data Protection Option FED per Cluster 1-year Subscription E-LTU	SOV88AAE
WEKA Data Protection Option FED per Cluster 3-year Subscription E-LTU	SOV89AAE
WEKA Data Protection Option FED per Cluster 5-year Subscription E-LTU	SOV90AAE
WEKA Data Protection Option per Cluster 1-month Co-term Subscription E-LTU	SOV91AAE
WEKA Data Protection Option SLED per Cluster 1-month Co-term Subscription E-LTU	SOV92AAE
WEKA Data Protection Option FED per Cluster 1-month Co-term Subscription E-LTU	SOV93AAE
WEKA Data Tiering Option per Cluster 1-year Subscription E-LTU	SOV32AAE
WEKA Data Tiering Option per Cluster 3-year Subscription E-LTU	SOV33AAE
WEKA Data Tiering Option per Cluster 5-year Subscription E-LTU	SOV34AAE
WEKA Data Tiering Option SLED per Cluster 1-year Subscription E-LTU	SOV94AAE
WEKA Data Tiering Option SLED per Cluster 3-year Subscription E-LTU	SOV95AAE
WEKA Data Tiering Option SLED per Cluster 5-year Subscription E-LTU	SOV96AAE
WEKA Data Tiering Option FED per Cluster 1-year Subscription E-LTU	SOV97AAE
WEKA Data Tiering Option FED per Cluster 3-year Subscription E-LTU	SOV98AAE
WEKA Data Tiering Option FED per Cluster 5-year Subscription E-LTU	SOV99AAE
WEKA Data Tiering Option per Cluster 1-month Co-term Subscription E-LTU	SOW00AAE
WEKA Data Tiering Option SLED per Cluster 1-month Co-term Subscription E-LTU	SOW01AAE
WEKA Data Tiering Option FED per Cluster 1-month Co-term Subscription E-LTU	SOW02AAE



Standard Features

Reduced Time to Results - Due to High Performance and Microsecond Latency

- HPE Solutions for Weka are designed for flash using NVMe SSD technology, WekaFS software accesses the underlying flash media directly in its native 4KB format so that both small files and large data sets can be processed in record time.
- Low latency InfiniBand or 100GE support means that data does not have to be local to the client for best performance. Data is dynamically distributed across the cluster for parallel access, resilience, and consistent performance and scalability.
- WekaFS software from HPE can leverage a single infrastructure to work on-premises or in the cloud (public or private) and elastically scale to match the requirements of your CPU or GPU resources.

Reduced Capex and Opex Through Improved Resource Utilization

- HPE Solutions for WEKA's full POSIX compliance means applications won't need to be re-written to take advantage of WekaFS performance.
- This architecture allows shared POSIX-based access to all your data without the requirement for unnecessary copies for data protection, providing full storage resource utilization.
- Multiprotocol support - POSIX, NFS, Object/S3, NVIDIA GPUDirect Storage (GDS), CSI, and SMB allowing one platform to serve your data lifecycle needs.
- Weka supports expansion of the global namespace by tiering to any S3-compatible object store (HPE provisioned, third party or public cloud) for cost-effective storage at massive scale.

Cloud Scale and Economics for Increased ROI

- HPE Solutions for WEKA's innovative Snap-to-S3 feature enables cloud bursting, remote backup to the cloud, and cloud-based disaster recovery.
- Supports private or hybrid cloud environments without modification.
- With Weka software from HPE, you can create a flexible infrastructure tuned for HPE hardware that can handle peak workloads but which also scales for performance and capacity growth as system requirements evolve.

Complete Feature Set and Outstanding Performance for Demanding Enterprise Workloads

- HPE Solutions for WEKA's native flash implementation and support for high-performance interconnect fabrics helps eliminate the bottlenecks associated with legacy storage approaches, and the solution can be easily monitored, tuned, and managed using an intuitive browser-based administration console.
- The solution supports Ethernet and InfiniBand to 200 Gbps and beyond, allowing full use of the existing network, while accommodating future upgrades for improved performance and low latency. The software-defined platform enables flexible adaptation to future generations of infrastructure.
- The Weka software from HPE supports small and large files, random and sequential access, and accelerates metadata access with distributed parallel access.
- Weka delivers many enterprise features that are mandatory, including snapshots, clones, encryption (at rest and in-flight), key management, user authentication, client authentication, tiering, cloud-bursting, quotas, Kubernetes persistent storage, network high availability, and much more.

Cloud Storage

Weka software supports tiering to cloud and object storage environments based on the Simple Storage System (S3) interface originally created by Amazon. Cloud and object-based storage within Weka environments may be used both for large scale data storage, cloud bursting, remote backup to the cloud, and cloud-based disaster recovery.

Cloud and object storage systems supported through the S3 interface include:

- **Scality® RING**
- **Scality® Artesca**
- Amazon S3® Standard, Standard - Infrequent Access, and Reduced Redundancy Storage
- Third party S3-compliant object stores

Notes: HPE Weka Software SKUs can be used in AWS.



Standard Features

Select Top-of-Rack HPE M-series Ethernet Switches:

HPE M-series Ethernet switch family offers industry-leading, high-bandwidth and the lowest-latency for a cost-effective solution for Server and Storage connectivity. With cost-effective deployment options, 100GbE and beyond connectivity, M-series fabrics allows for implementing significant speed and architecture upgrades over time.

HPE M-series available with following models:

200GbE Ethernet Switches

- **SN3700M** (32 x 200GbE)

100GbE Ethernet Switches

- **SN2100M** (16 x 100GbE)
- **SN2700M** (32 x 100GbE)
- **SN3700M** (32 x 100GbE)
- **SN4600M** (64 x 100GbE)

10/25GbE Ethernet Switches

- **SN2010M** (18 x 25GbE + 4 x 100GbE)
- **SN2410M** (48 x 25GbE + 8 x 100GbE)

Supported Operating Systems for WekaFS

- Red Hat Enterprise Linux: 6.8, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 8.0, 8.1
 - CentOS: 6.8, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 8.0, 8.1
 - Ubuntu: 16.04, 18.04
-



Service and Support

Service and Support for Weka Software

Weka v3.x software subscriptions (WekaFS and Weka Object Tier) include 24x7 remote support and remote installation assistance from Weka.

Service and Support for Weka Software is provided directly by Weka, not by HPE. For any support and generic queries please email to support@weka.io or on submit a case on the web at support.weka.io. The new Weka v4 software subscriptions provide a distinct set of new services, listed below.

Description	SKU
WEKA 1-day Professional Service	S0V36AAE
WEKA Software Onsite Installation Service	S1G92AAE
WEKA Software Remote Installation Service	S1D89AAE
WEKA Dark Site Performance Edition per TB per Year Support Service	S1G93AAE
WEKA Dark Site Any Option per TB per Year Support Service	S0W03AAE

Service and Support for HPE Hardware

Protect your business beyond warranty with HPE PointNext Support Services provides a comprehensive portfolio including Advisory and Transformational, Professional, and Operational Services to help accelerate your digital transformation. From the onset of your transformation journey, Advisory and Transformational Services focus on designing the transformation and creating a solution roadmap. Professional Services specializes in creative configurations with flawless and on-time implementation, and on-budget execution. Finally, operational services provide innovative new approaches like Flexible Capacity and Complete Care, to keep your business at peak performance. HPE is ready to bring together all the pieces of the puzzle for you, with an eye on the future, and make the complex simple. Connect your devices:

Unlock all of the benefits of your technology investment by connecting your products to Hewlett Packard Enterprise. Reduce time, increase diagnostic accuracy and have a single consolidated view of your environment. By connecting, you will receive 24x7 monitoring, pre-failure alerts, automatic call logging, and automatic parts dispatch. HPE Tech Care Service and HPE Complete Care Service customers will also benefit from proactive activities to help prevent issues and increase optimization. All of these benefits are already available to you with your server storage and networking products, securely connected to HPE support.

Learn more about getting connected at <http://www.hpe.com/services/getconnected>

HPE Pointnext - Service and Support

HPE Pointnext - Service and Support

No matter where you are in your digital transformation journey, you can count on HPE Pointnext Services to provide the expertise you need, when and where you need it.

Advisory and Professional Services

Our Digital Next Advisory approach can help you identify, prioritize, and implement the right transformation initiatives to create new edge experiences, get real-time insights from all your data, and modernize your IT to enable new opportunities.

Operational Services

Take your IT operations to the next level with expertise and tools that can help save your staff time, manage complexity, and identify new ways to drive efficiency and effectiveness in your IT.



Service and Support

HPE Pointnext Tech Care

HPE Pointnext Tech Care is the new operational service experience for HPE products. Tech Care 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 Pointnext Tech Care has been reimagined from the ground up to support a customer-centric, AI driven, and digitally enabled customer experience to move your business forward. HPE Pointnext Tech Care 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>

HPE Pointnext Complete Care

HPE Pointnext Complete Care is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts. HPE Pointnext Complete Care 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/completecare>

HPE Lifecycle Services

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:

- Installation 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 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.
- HPE Implementation Assistance Service: 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.
 - For a list of the most frequently purchased services using service credits, see the [Universal Service Credits Menu](#)

Other related services from HPE Pointnext Services:

HPE Education Services

Provides comprehensive training designed to expand the skills of your IT staff and keep them up to speed with the latest technologies.

Defective Media Retention

An option available with HPE Pointnext Complete Care and HPE Pointnext Tech Care 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 support options.



Service and Support

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 QuickSpecs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

AI Powered and Digitally Enabled Support Experience

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

Sign into the new 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 a new intelligent virtual agent with seamless transition when needed to a live support agent.

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

HPE Support 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 HPE Support Services at <https://ssc.hpe.com/portal/site/ssc/>

Consume IT on your terms

HPE GreenLake 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 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

Managed services to run your IT operations

HPE GreenLake Management Services provide 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.

Warranty of Proliant DL360 Gen10 Plus, DL325 Gen 10 Plus, and DL325 Gen10 Plus v2

This product is covered by a global limited warranty and supported by HPE Services and a worldwide network of Hewlett Packard Enterprise Authorized Channel Partners resellers. Hardware diagnostic support and repair is available for three years from date of purchase. Support for software and initial setup is available for 90 days from date of purchase. Enhancements to warranty services are available through HPE Pointnext operational services or customized service agreements. Hard drives have either a one year or three year warranty; refer to the specific hard drive QuickSpecs for details.

Notes: Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response. Warranty repairs may be accomplished through the use of Customer Self Repair (CSR) parts. These parts fall into two categories: 1) Mandatory CSR parts are designed for easy replacement. A travel and labor charge will result when customers decline to replace a Mandatory CSR part; 2) Optional CSR parts are also designed for easy replacement but may involve added complexity. Customers may choose to have Hewlett Packard Enterprise replace Optional CSR parts at no charge. Additional information regarding worldwide limited warranty and technical support is available at: <http://h17007.www1.hpe.com/us/en/enterprise/servers/warranty/>



Configuration Information

HPE Solutions for Weka Ordering rules

HPE Solution for Weka Cluster Size

The minimum cluster size required for a flash tier is 6 DL325 or DL360 servers and the maximum is a combined count of servers and client hosts of 3,275. This optimizes data protection and performance through recovery operations.

Notes: Sizing for storage servers should be tailored to the specific workload requirement. Bandwidth, IOPS, data protection strategy and average file size should be taken into account for optimal configuration. As such it is recommended that you engage with your Hewlett Packard Enterprise representative to document your individual solution needs and design an environment with required services to deploy.

Configure the HPE ProLiant DL325 Gen10 Plus 20NVMe All Flash CTO Server for Software Defined Storage (R7J61A), or HPE ProLiant DL325 Gen10 Plus v2 10NVMe All Flash CTO Server for Software Defined Storage (R8V67A) or HPE ProLiant DL360 Gen10 Plus 10NVMe All Flash CTO Server for Software Defined Storage (R8V68A) per the HPE Complete BOM Guidelines – Weka Solutions at: <https://www.hpe.com/h20195/v2/Getdocument.aspx?docname=a00102194enw>

As part of the configuration, choose the appropriate drive bundles:

- HPE ProLiant DL325 Gen10 Plus: R7P80A, R7P82A, R7P84A, R7P86A NVMe Drive Bundles
- HPE ProLiant DL325 Gen10 Plus v2 and HPE ProLiant DL360 Gen10 Plus: R8V69A, R8V70A, R8V71A NVMe Drive Bundles
- HPE ProLiant DL360 Gen10: R6S71A, R6S72A, R6S73A NVMe Drive Bundles

Notes: A minimum of two and maximum of ten 2-pack NVMe drive bundles is supported per DL325 Gen10 Plus and a minimum of two and maximum of five 2-pack NVMe drive bundles is supported per DL325 G10 Plus V2, DL360 G10 plus, and DL360 Gen10 node, i.e., an even number of NVMe drives between 4 and 20 for the DL325 and 4 and 10 for the DL325 G10 plus V2, DL360 G10 plus, and DL360 Gen10 drives per server. Each node within a cluster must be configured with the same number and type of drives. Nodes within a cluster containing less than the maximum amount of NVMe drives can be upgraded with add-on NVMe drives, up to the limit per server type, to increase cluster storage capacity. A cluster can be expanded with additional nodes. After a cluster capacity expansion of add-on drives to existing nodes and/or additional nodes, each node within a cluster must be configured with the same number and capacity drives. It is recommended but not required, that spare drive bundles be ordered to reduce any potential down time; minimum of one drive bundle for each drive type installed, scaling at 1 spare bundle per 40 drives installed.

Other Server Configurations

Items to be selected per the configuration guide include: Memory, boot drives, Networking, Racking and Optics

NVMe Storage Tier

- New installations must choose one WekaFS or Weka Performance Edition Software Subscription SKU from the list above, according to desired subscription duration (1yr, 3yr, 5yr) and subscription type (Commercial, FED, or SLED)
- For the older WekaFS subscriptions, choose the quantity of raw storage required, in TB. Each Weka File System Storage SKU includes an entitlement for 1TB of raw NVMe storage capacity. For the new Weka Performance Edition subscriptions, the quantity of subscriptions is calculated off usable, not raw capacity. To get the usable capacity use the Weka Sizer <https://hpe.sizer.weka.io>.

Optional Object Storage Tier

- Choose the quantity of usable TBs of object storage. Each Weka Object Tiering SKU includes an entitlement to manage tiering for 1 TB of usable object storage capacity.



Configuration Information

General guidelines

EDU/GOV SKUs are offered to education and government customers. All other customers, select equivalent SKUs from the categories above.

License fee is prepaid in full and lasts for the duration listed in the SKU description.

Example configurations

1. 300TB of NVMe Storage and 700TB of tiering to object storage required for three years, select R6S59AAE x qty 700 and R6S65AAE x qty 300.

Qty	Description	SKU
300	Weka File System per TB 3-year Subscription E-LTU	R6S59AAE
700	Weka Object Tiering per TB 3-year Subscription E-LTU	R6S65AAE

2. 100TB of NVMe Storage and 1000TB of tiering to object storage required for five years, select R6S60AAE x qty 100, and R6S66AAE x qty 1000.

100	Weka File System per TB 5-year Subscription E-LTU	R6S60AAE
1000	Weka Object Tiering per TB 5-year Subscription E-LTU	R6S66AAE

WekaFS Software Expansion Ordering Rules

If expanding an existing installation, the following information is required:

- Existing licensed capacity
- Incremental capacity required
- Duration of existing licenses

Example 1

- Existing NVMe capacity: 50TB, 1-yr term; object storage = 500TB
- Incremental object storage tiering capacity: 9500TB, 3-yr term, purchased exactly one year after NVMe capacity was purchased
- Incremental licenses: select R6S65AAE x qty 10000 (original 500TB object storage + incremental 9500TB object storage), and R6S59AAE x qty 50 to co-terminate original 50TB NVMe capacity

10000	Weka Object Tiering per TB 3-year Subscription E-LTU	R6S65AAE
50	Weka File System per TB 3-year Subscription E-LTU	R6S59AAE



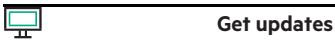
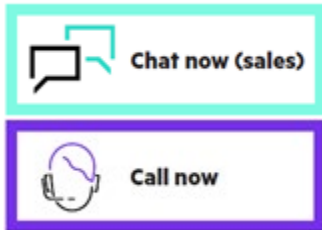
Summary of Changes

Date	Version History	Action	Description of Change
06-Feb-2023	Version 5	Changed	Overview, Standard Features, Service and Support and Configuration Information sections were updated
06-Dec-2021	Version 4	Changed	Added DL325 G10 plus V2 and DL360 G10 plus, Removed DL360 Gen10 node, and updated messaging
06-Apr-2021	Version 3	Changed	Added DL325 server and drive bundles, updated messaging
04-Jan-2021	Version 2	Changed	Overview, Standard Features and configuration Information sections were updated
05-Oct-2020	Version 1	New	New QuickSpecs



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