

HPE small business solutions for business continuity

Configuration guide

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About this configuration guide

HPE Small and Medium Business Solutions

HPE Small and Medium Business Solutions are validated configurations designed to meet a variety of IT workloads and sizes for small- to medium-sized businesses. It consists of a base system plus options and software to make up a complete solution. In most cases, these combinations are the foundation for Flex Offer special pricing. Note that pricing and special offers change much more frequently than these configurations and are subject to change without notice.

- **Remote Worker (VDI)**—Fast and secure remote access for all your apps and data from anywhere
- **Small Office Deployment**—A simple approach for your first complete IT solution including wired and wireless networking
- **General Purpose**—Low-cost solutions for smaller environment with customizable functionality
- **Business Continuity**—Protect data and applications from catastrophic loss
- **Virtualization**—Run multiple workloads on a single server
- **Shared Storage**—A single storage pool for multiple servers with recommended workload configurations
- **Hyperconverged Infrastructure (HCI)**—Software-defined storage for high availability virtualization
- **Database and Application**—Host line-of-business database and applications on-premises

HPE Small and Medium Business Solutions for Business Continuity

HPE Small and Medium Business Solutions for Business Continuity are HPE ProLiant servers configured to protect business data and applications from catastrophic loss due to data corruption, system failure, malicious actors, and ransomware. Additionally, they provide data archival for long-term storage of **air-gap** protected data and to meet regulatory, financial, and legal requirements.

Configuration disclaimer

The configurations in this guide have been tested and validated to meet the stated solution capacity for a variety of typical small to medium business workloads. While they are complete solutions as configured, they can be considered reference configurations and may be sensibly modified as needed to achieve your unique solution requirements as long as the configuration specifications are not reduced. They are typically a minimum configuration for the solution size, so if a smaller configuration is needed it is often more advantageous to scale up from a smaller configuration rather than scale down from a larger configuration.

The stated capacity for workloads in this guide is highly subjective and depends on the environment they are deployed to. Use these values as a guide—not as an absolute. The stated capacity is also based on default settings for the server and storage options specified in the configuration. Stated capacity does not take into account all of the possible system settings or option modifications available, which can greatly impact the configuration's stated capacity. For example, certain BIOS settings are not factored into the solution capacity by default but can potentially and greatly increase the number of virtualized desktop workloads possible in a VDI or virtualization solution. Another example would be the increased performance that can be achieved by replacing hard disk drives with solid-state drives or by adding more memory.

Also, note that this guide is updated from time to time, and these configurations are subject to change without notice, as solution components can be discontinued before this guide is next updated. When substituting discontinued options be sure to replace them with comparable options that match or exceed the discontinued option specifications.

Use the iQuote Solutions Tile

Unless otherwise noted, all of the configurations in this guide are available in the **Solutions** tile on the iQuote home page. iQuote is an online sales enablement web application that simplifies the process of configuring, quoting, and purchasing HPE products and solutions from a single location. The **Solutions** tile provides a quick and convenient way to select the complete solutions presented in this guide without having to manually configure them in iQuote. After selecting the desired solution in iQuote, it can be modified as needed. You can access the universal version of iQuote through iquote.hpe.com or contact your preferred HPE authorized partner or distributor for live pricing.



Build your solution

Step 1: Determine your solution requirements

Business continuity solution requirements vary depending on:

- Which workloads and data types to be protected—file, block, or object data; structured or unstructured data; virtualized or bare-metal environments; cloud or on-premises
- How much data is to be protected and at what priority if a tiered data strategy is implemented
- Recovery-time objective (RTO)—how long can you afford to be down in the event of an outage
- Recovery-point objective (RPO)—how much data can you afford to lose in the event of an outage
- How long and where must the backup data be retained

These factors will determine the type, size, and ultimately the expense of your overall solution.

All business continuity solutions involve creating a duplicate of your data and being able to restore that data in a timely fashion in the event of data loss. Solutions can be as simple as copying important data to another storage medium or as complex as storing a digital twin of your entire IT environment. Storage for all that backup data is usually the primary cost of business continuity, but not the entire cost. Additional costs include the cost of applications and hardware to manage business continuity processes and the personnel costs associated with maintaining and managing the Business Continuity solution. All of these costs must be weighed against the potential cost of downtime or even catastrophic loss resulting in business closure must be factored into the decision on which business continuity solution is right for you.

Capacity planning

A key part of determining the solution requirements is understanding how much data accumulates in a small to medium business environment. Additionally, data may have varying degrees of importance to the business continuity strategy. Many strategies can be employed. Many times, more than one strategy is used.

Data storage is expensive and its cost increases as performance increases. One common strategy is to use different types of backups for different types of data, depending on the importance of the data being stored, reserving frequent business-critical backups on faster, disk-based storage while storing less important or static data less frequently.

And don't forget to plan for offline storage of your business data. Copying near-line disk-based backups to offline removable media such as tape or other archival products like HPE RDX Removable Disk Backup System enables the business to conserve expensive storage resources and meet the RPO/RTO objectives necessary to keep the business protected and quickly recoverable. This air-gap technique also protects against cyberattacks such as ransomware.

Another technique for storing offline data that is becoming more popular is to copy backup data to the cloud or to back up directly to the public cloud. Advantages include not having to purchase and maintain storage hardware, virtually unlimited capacity, and the ability to recover data anywhere. Disadvantages include the cost of storage and in some cases cost of bandwidth, dependency on fast internet connectivity, slow recovery time, and in a few cases data egress fees.

When planning capacity needs be sure to plan for data growth. Rarely, a business does not have to expand storage needs over time. Additionally, consider that most backup solutions include compression and deduplication techniques to reduce the amount of storage capacity needed.



The following table can help gauge the amount of storage necessary to protect the business.

Table 1. Capacity planning for business continuity data retention

Initial data size	Data growth rate							
	10% per year		15% per year		20% per year		25% per year	
	Monthly TB required	Recommended tape media	Monthly TB required	Recommended tape media	Monthly TB required	Recommended tape media	Monthly TB required	Recommended tape media
500 GB	2.75	LTO-6/7 or RDX	2.9	LTO-6/7 or RDX	3	LTO-6/7 or RDX	3.1	LTO-6/7 or RDX
1 TB	5.5	LTO-6/7	5.8	LTO-6/7	6	LTO-6/7	6.3	LTO-6/7
2 TB	11	LTO-7/8	11.5	LTO-7/8	12	LTO-7/8	12.5	LTO-7/8
4 TB	22	LTO-8/9	23	LTO-8/9	24.1	LTO-8/9	25.1	LTO-8/9
8 TB	44	LTO-9	46.1	Multiple LTO-9	48.1	Multiple LTO-9	50	Multiple LTO-9
16 TB	88	Multiple LTO-9	92.2	Multiple LTO-9	96.3	Multiple LTO-9	100	Multiple LTO-9
LTO media for Grandfather-Father-Son media rotation	3 years			5 years			7 years	
	71 cartridges			95 cartridges			119 cartridges	

Note

Some assumptions about Table 1:

- Note that this table assumes the following data retention policies—your requirements may vary:
 - 1 month’s backup on local disk or cloud storage including weekly full and daily incremental
 - 7 years’ backups archived to removable media (typical financial / tax record requirement) using a Grandfather-Father-Son media rotation strategy
- Data protection operations have low/no impact on the production environment during normal business hours:
 - All backup jobs start and end outside of business hours
 - Long-running full backups are run during an extended period of off-hours, such as weekends
 - Short incremental backups are run during the shorter off-hour periods such as each evening
- Backup data is initially stored on a local disk for rapid data backup and recovery.
- Backup data is archived daily to removable media that can be taken off-site or to cloud storage for protection against catastrophic loss of business systems due to fire, flood, cyberattack, and such.
- Capacity values are raw data values and do not take compression and deduplication into consideration.

Step 2: Choose your solution type

In this section, we will describe the business continuity strategy and the types of HPE Small and Medium Business Solutions for Business Continuity available, and when or when not to apply them.

All HPE Small and Medium Business Solutions for Business Continuity is essentially disk-based backup solutions that feature an optional removable media component. They utilize a data protection application to manage the task of backing up and restoring data on a variety of media types. Most of these solutions can be enabled for a hybrid-cloud configuration with a public cloud storage service.

Business continuity strategy

Businesses rely on data, and the longer a business is active the more data they will accumulate that may (or may not) need to be protected from loss. The types of threats that result in data loss are pretty well known—hardware failure, catastrophic loss of the facility where data is housed such as fire or flood, cyberattacks and ransomware, and even accidental or malicious corruption by a person with access to the data. Regardless of the threat, having data backup copies of data is vital for business continuity.

Traditionally, the tape was the media of choice for storing backup data due to its relatively low cost compared to disk and other storage media of the time. As the cost of disk-based storage has decreased and the amount of data to be protected required more time to process,



traditional backup-to-tape strategies have given way to backup to disk. Disk-based backup is faster than tape-based backup and in some cases, particularly at the small end of the scale, disk-based backup is less expensive than tape.

But this does not mean tape and other removable media such as the HPE RDX Removable Disk Backup System are obsolete. A well-known best practice for data protection is a **3-2-1** strategy:

- 3 copies of data (original plus two backups)
- 2 different media types (disk and tape)
- 1 copy stored off-premises (removable media stored off-site or in the cloud)

An additional benefit of removable storage is that it can be air-gapped from such activities as ransomware encryption, which targets backups as well as online data. Offline media stored off-site cannot be corrupted by system processes or destroyed by catastrophe affecting the site.

One final benefit of removable media is that it is often the lowest cost solution to meet regulatory or long-term data archival requirements.

Business continuity strategy isn't just about backups. It's really about how long can a business afford to be disrupted (downtime), and how much data loss the business is able to tolerate should disaster strike. In some cases, any data loss and downtime are unacceptable. In others, some limited data loss and downtime may be inconvenient but won't cause the business to fail.

A one-size-fits-all approach that protects all data equally and can recover from data loss in seconds is one possible solution, but the expense would likely make it not the best solution, especially for small businesses on a tight budget.

A holistic business continuity strategy should consider the different types of data that must be protected. At one extreme, some data are required for day-to-day operations and must be stored in relatively expensive near-line storage, so it can be quickly recovered in the event of a data loss. At the other extreme are data that is more of use once and preserve for historical reference or preserve for regulatory compliance category where data must be protected from loss but is not necessary to operate the business and thus can be preserved in lower-cost offline storage that might not be quick to recover.

HPE Small and Medium Business Solutions for Business Continuity can utilize an extensive variety of different methods and applications to protect data that is too many to list in this guide. So, we'll focus this guide on a few methods common for small businesses.

Disk-based backup

Microsoft Windows Server Backup

This is the simplest implementation of HPE Small and Medium Business Solutions for Business Continuity. It is ideal for protecting files on a single Windows Server and can potentially enable recovery of the entire server; however, recovery is usually a manual, all-or-nothing process and not recommended for most situations beyond simple file protection for a single server. The main benefit is that it is included with Microsoft Windows Server and thus has no additional software cost. It is also easily integrated with Microsoft Azure for a hybrid cloud solution.

Ideal for:

- Windows files on a single server
- Full Windows Server system state backups for a single server
- Bare-metal Windows Server installations or the backup data source can be a Hyper-V virtual machine running Windows
- On-premises data and source data can be cloud-based if the solution can connect to and treat the data as files/folders
- Relatively long recovery-time and recovery-point objectives are acceptable
- When limitations of Windows Server Backup are acceptable

Not ideal for:

- Protecting more than one workload—Each workload must be managed independently though some limited automation may be achieved using Windows Admin Center
- Protecting non-Windows Servers—Windows Backup is only available on and for Windows Servers



Veeam Backup & Replication Community Edition

Veeam Backup & Replication Community Edition is a free download that enables the protection of up to 10 virtual, physical, and cloud workloads, such as VMware®, Hyper-V, Windows, and Linux® servers, laptops, NAS, and more. It is not as robust as the paid Veeam Backup & Replication Universal subscription, but again it is free and much more capable than Windows Server Backup.

Important note

Veeam Backup & Recovery Community Edition is user-community supported only. HPE and Veeam provide no support for this product.

Ideal for the following:

- Protecting up to 10 workloads
 - Virtual: VMware, Hyper-V, and Nutanix
 - Physical: Microsoft Windows, Linux, and Mac
 - NAS Backup (limited)
- When only community support is acceptable such as for non-production or low priority workloads
- Relatively short recovery-time and recovery-point objectives are required

Not ideal for the following:

- HPE does not recommend Veeam Backup & Replication Community Edition for production workloads!
- Certain workloads are excluded from Veeam Backup & Replication Community Edition (see veeam.com website and product guides for details)

Veeam Backup & Replication Universal

Veeam Backup & Replication Universal is a simple and flexible per-workload license that protects all workloads across on-premises, hybrid, and multi-cloud environments. It is sold in 1- to 5-year or monthly subscription packs of 10 workloads available through and supported by HPE and Veeam. It protects a broader variety of workloads and has a more robust feature set than the Community Edition. Veeam Backup & Replication is ideal for protecting any number of licensed workloads with the added benefit of full support by HPE and Veeam.

Ideal for the following:

- Protecting any number of licensed workloads
 - Virtual: VMware, Hyper-V, and Nutanix
 - Physical: Microsoft Windows, Linux, and Mac
 - Oracle® Solaris and IBM AIX
 - Cloud: AWS, Microsoft Azure, Google Cloud™, and more
 - NAS Backup
- Automating data protection in a capacity- / archive-tiered data environment
- Relatively short recovery-time and recovery-point objectives are required
- When full support by HPE and Veeam is desired

Not ideal for the following:

- Nothing—Veeam Backup & Replication Universal is suitable for virtually any small to medium business data protection strategy



Tape-based backup**HPE StoreOpen Linear Tape File System (LTFS)**

HPE StoreOpen Standalone is an application that helps LTFS users to manage single tape drives. LTFS makes tape self-describing, file based, and easy to use and provides users with the ability to use standard file operations on tape media for accessing, managing, and sharing files with an interface that behaves just like a hard disk. It is a free download from HPE.

Ideal for the following:

- Backup of a single server to an attached LTO tape drive
- Copying disk-based backups to removable media for off-site and/or long-term storage
- When backup data must be retained for long periods, such as to meet regulatory requirements

Not Ideal for the following:

- Backup of multiple servers
- LTO tape libraries/autoloaders where tape library management and automation software are needed
- Short backup windows or recovery-time objectives—Tape is relatively slow compared to disk

ISV backup and library automation software—Example: Veritas Backup Exec

Veritas Backup Exec is just one of the many third-party independent software vendors (ISVs) that support HPE ProLiant servers and HPE StoreEver tape backup products and is very commonly used in SMB backup solutions because of its features and pricing. HPE Small and Medium Business Solutions for Business Continuity are validated to be functional with Veritas Backup Exec, but it is not sold or supported by HPE.

Note

HPE makes no claim of preference for Veritas Backup Exec or any third-party software product. It is mentioned in this guide only as an example of one of many possible products capable of providing business continuity functions on HPE Small and Medium Business Solutions for Business Continuity.

Ideal for the following:

- Backup of multiple servers
- Automatic management of tape libraries
- When backup data must be retained for long periods, such as to meet regulatory requirements

Not Ideal for the following:

- Backup of a single server—There are simpler and less expensive methods for smaller environments
- Short backup windows or recovery-time objectives—Tape is relatively slow compared to disk

Cloud-based backup**Third Party Public Cloud Backup**

HPE SMB/MM Business Continuity Solutions can become a hybrid solution capable of storing backup data on public cloud storage using Veeam Backup & Replication and the application plugins from public cloud storage vendors. HPE does not recommend relying solely on cloud backups, but public cloud storage puts your backup data where it can be recovered anywhere, such as a new site should the protected site be lost. Or it can be a convenient alternative to managing backups stored on removable media.

Ideal for the following:

- Backup of any number of servers
- Augmenting a backup data strategy that makes recovery more convenient when internet connection is available
- When removable media backup is undesired or not available
- When backup data must be retained for long periods, such as to meet regulatory requirements



Not Ideal for the following:

- Backup of multiple servers
- Short backup windows or recovery-time objectives—Recovery over the internet is relatively slow compared to disk

Step 3: Choose your solution

Now that you know your business continuity strategy, capacity requirements, and storage media type, you are now armed with the information you need to select an HPE SMB Business Continuity Solution that best meets your needs.

Table 2 provides an overview of the current HPE SMB Business Continuity Solution portfolio to guide your selection based on your strategy and capacity requirements. It lists the system for the disk-based component and the recommended removable media systems to choose from. Additionally, it provides guidance on which backup methods are suitable.

Note

There are many third-party backup methods available; these are listed as examples only—not as recommendations.)

Table 2. Overview of HPE Small Business Solutions for Business Continuity

Platform	Usable disk capacity ¹	Protected workloads ¹	Microsoft Windows Server Backup	HPE StoreOpen L TFS	Veeam Backup & Replication Community Edition ²	Veeam Backup & Replication	ISV Library Automation ³
HPE ProLiant MicroServer Gen10 Plus HPE RDX Removable Disk Backup System—4 TB	3 TB	1	X	X	X		
HPE ProLiant ML30 Gen10 Plus HPE RDX Removable Disk Backup System—4 TB HPE StoreEver LTO-7 SAS Internal Tape Drive	6 TB	5	X	X	X	X	
HPE StoreEasy 1560 16TB HPE StoreEver LTO-8 SAS External Tape Drive HPE StoreEver MSL 1/8 Autoloader	12 TB	10		X	X	X	X
HPE ProLiant DL345 Gen10 Plus HPE StoreEver MSL2024 SAS Tape Library	20 TB	20				X	X
HPE ProLiant DL380 Gen10 HPE StoreEver MSL2024 Tape Library	20 TB	20				X	X
HPE ProLiant DL325 Gen10 Plus HPE MSA 2060 iSCSI 10GBASE—T Storage HPE StoreEver MSL3040 SAS Tape Library	96 TB	50				X	X

¹ Usable disk capacity depends on the RAID level configured, which is assumed to be RAID 5 for all except the HPE MSA 2060, which is assumed to be DP+. The number of protected workloads are presented here only as a guide, as they are highly dependent on factors outside of the solution configuration. Your results may vary.

² Veeam Backup and Replication Community Edition is limited to 10 workloads and suitable for non-production or low importance workloads. It is not recommended for production workloads, as it is only supported by the Veeam community.

³ For ISV tape library automation software like Veritas Backup Exec, contact HILS Software Enquiries (hils@hpe.com).



Table 3 and 4 provides a detailed description of the hardware configurations of the current HPE SMB Solutions for Business Continuity.

Table 3. HPE SMB Solutions for Business Continuity (tower based)

	HPE ProLiant MicroServer Gen10 Plus	HPE ProLiant ML30 Gen10 Plus	HPE StoreEasy 1560 (16 TB)
Usable capacity	3 TB	6 TB	12 TB
Form factor	Micro tower server 4 x LFF non-hot-plug bays	Tower server 4 x LFF hot-plug bays	Tower server 4 x LFF hot-plug bays
Processor	1 x Intel® Xeon® E-series (4 core / 3.4 GHz)	1 x Intel Xeon E-series (4 core / 3.4 GHz)	1 x Intel Xeon Scalable (6 core / 1.9 GHz)
Memory	1 x 16 GB	1 x 16 GB	1 x 16 GB
Storage	4 x 1 TB SATA HDD	4 x 2 TB SATA HDD	4 x 4 TB SATA HDD
Disk controller	HPE S100i Gen10 (embedded)	Intel® VROC (embedded)	HPE P408i-p Gen10
Network	4 x ports 1GbE	2 x ports 1GbE	2 x ports 1GbE
Power supply	1 x 180W (external power supply)	1 x 350W	2 x 500W
OS software		Microsoft Windows Server 2019 Standard Microsoft Windows Server 2022 Standard	Microsoft Windows Server IoT 2019
Recommended removable media	HPE RDX Removable Disk Backup System	HPE RDX Removable Disk Backup System HPE StoreEver LTO-7 Tape Drive*	HPE StoreEver LTO-7 Tape Drive*
Optional enhancements	HPE iLO Enablement with HPE iLO Advanced	HPE iLO Advanced	HPE iLO Advanced

Note: * Requires HPE Smart Array E208e-p SAS Controller

Table 4. HPE SMB Solutions for Business Continuity (rack-based)

	HPE ProLiant DL345 Gen10 Plus	HPE ProLiant DL380 Gen10	HPE ProLiant DL325 Gen10 Plus v2 MSA 2060 iSCSI 10GBASE-T Storage
Solution capacity	20 TB	20 TB	96 TB*
Form factor	2U rack server 8 x LFF hot-plug bays	2U rack server 8 x LFF hot-plug bays	1U rack server 8 x SFF hot-plug bays
Processor	AMD EPYC (8 core / 3.1 GHz)	AMD EPYC (8 core / 3.1 GHz)	Intel Xeon Scalable (8 core / 2.1 GHz)
Memory	2 x 32 GB	1 x 16 GB	2 x 32 GB
OS storage	2 x 480 GB SATA SSD	2 x 480 GB SATA SSD	2 x 480 GB SATA SSD
Data storage	6 x 4 TB SATA HDD	6 x 4 TB SATA HDD	On HPE MSA 2060 storage
Disk controller	HPE S100i or HPE P408i-a Gen10	HPE S100i	HPE S100i (internal) 10GbE iSCSI (external)
Network	4 ports x 1GbE	4 ports x 1GbE	4 ports x 1GbE 2 ports x 10GbE (BASE-T)
Power supply	2 x 500W	2 x 500W	2 x 500W
OS software		Microsoft Windows Server 2019—or—Microsoft Windows Server 2022	
Recommended removable media	HPE StoreEver MSL 1/8 Tape Autoloader—or—HPE StoreEver MSL2024 Tape Library—or—HPE StoreEver MSL3040 Tape Library		
Optional enhancements	HPE iLO Advanced		
External storage			HPE MSA 2060 LFF iSCSI 10GBASE-T Storage
Form factor			2U rack storage 12 x LFF hot plug
Controller			2 x HPE MSA 2060 4-port iSCSI 10GBASE-T
Data storage			12 x 12 TB SAS HDD*
Network			8 x 10GBASE-T iSCSI (4 per controller)

* HPE MSA 2060 Storage supports up to 9 additional SFF or LFF enclosures for a maximum of 240 SFF / 120 LFF drives; SFF and LFF enclosures can be mixed for very flexible data tiering.



Removable Media options

HPE RDX Removable Disk Backup System is a recommended option for reliable disk-based backup and recovery with unmatched portability, fast recovery, and easy integration.⁴ The HPE RDX Removable Disk solution provides a simple, cost-effective way to back up and protect critical data. Complement your local backups with a cloud backup strategy, so you can recover quickly, even if you lose your entire site or local backup copies.

HPE StoreEver MSL 1/8 Tape Autoloader or HPE MSL2024 or HPE MSL3040 Tape Libraries are recommended options that meet demanding storage requirements for businesses needing unattended backup, disaster recovery, or low-cost, long-term archive capability.⁵ Both systems offer a broad choice of storage capacities and technology including LTO-9, LTO-8, LTO-7, LTO-6, or LTO-5 Ultrium tape drives in either SAS or Fibre Channel models. Web-based remote management enables easy management from across the room or the globe. Quickly manage tape media both in and out of the library with the standard bar code reader, configurable mail slots, and multiple removable magazines. Protect important business data from unauthorized access with several data encryption options. Quickly increase capacity and/or performance with drive upgrades in the HPE MSL2024 / HPE MSL3040.

Other considerations

All of the HPE Small and Medium Business Solutions for Business Continuity can be expanded with more memory and storage to increase the capacity of the solution. Finally, some HPE Small Business Solutions are equipped, or can be equipped, with redundant power supplies for additional availability protection.

Note

Configurations are subject to change as options can EOL/DISC. Be sure to replace with comparable options that match the option specifications.

Services and financing

HPE Pointnext Services

A services partner built for your business today and tomorrow, HPE Pointnext Services enables you to meet availability commitments with a variety of coverage levels and response times and easily connect to HPE for faster problem resolution. HPE Pointnext Services offers comprehensive hardware and software services to help increase the availability of IT infrastructure and extend in-house IT staff with HPE expertise. You can do more with less by leveraging service tools with built-in simplification and remote management tools.

Service offerings include:

- HPE Pointnext Complete Care
- HPE Pointnext Tech Care
- HPE Lifecycle Services

Note

HPE recommends HPE Pointnext Tech Care as the minimum recommended service level for HPE Small Business Solutions.

HPE Financial Services

Simple IT equipment financing, asset lifecycle solutions, and SMB finance option designed to help your business seize opportunities to evolve and thrive hpe.com/us/en/services/finance-it-technology.html

HPE Subscription services allow SMBs to select a complete solution from predefined options that include best-in-class compute, storage, and networking hardware; software; accessories; and worry-free support services for a predictable monthly subscription fee. No large, up-front purchase to make—just subscribe, use, return, and renew. No worries about what to do with old equipment. Need to expand? Simply add more hardware or services. HPE channel partners can offer hardware, software, and support services in a single solution and deliver it in one simplified subscription contract.

HPE Technology Refresh program replaces ownership with predictable monthly or quarterly payments and provides for a shorter, routine refresh cycle every 24 to 48 months. SMBs don't have to be locked into holding onto aging IT equipment and delaying upgrades.

⁴ HPE RDX is recommended for solution configurations built on the following HPE ProLiant MicroServer: Gen10 Plus, ML30 Gen10 Plus, ML110 Gen10, and ML350 Gen10.

⁵ HPE StoreEver MSL 1/8 Tape Autoloader or MSL2024 / MSL3040 Tape Library are recommended for solution configurations built on HPE ProLiant DL100 and DL300 series Gen10 servers.



Simple, secure, affordable

HPE Small Business Solutions lower the cost of accessing easy-to-use on-premises and hybrid cloud solutions without sacrificing security. To learn more about HPE Small Business Solutions, visit the resources included in this document, or contact your HPE or authorized partner representative. Find an IT reseller close to you at findapartner.hpe.com.

Resources

- [HPE Small Business Solutions for Business Continuity solution brief](#)
- [HPE ProLiant Server QuickSpecs](#)
- [HPE ProLiant Server Options](#)
- [IT Support Services](#)
- [Get connected](#)
- [iQuote](#)
- [HPE Solutions Wizard for Small and Midsize Businesses](#)

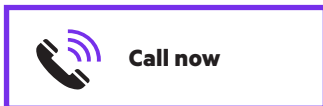
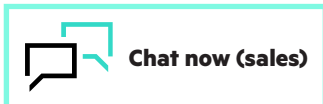
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