Additional License Authorizations

For HPE Data Protection software products

Products and suites covered

PRODUCTS	E-LTU OR E-MEDIA AVAILABLE [*]	NON-PRODUCTION USE CATEGORY [**]
HPE Backup Navigator (previously called HP Backup Navigator)	Yes	Class 3
HPE Connected Backup (previously called HP Connected Backup)	Yes	Class 3
HPE Data Protector (previously called HP Data Protector)	Yes	Class 3
HPE Data Protector Management Pack (previously called HP Data Protector Management Pack)	Yes	Class 3
HPE Storage Optimizer (previously called HP Storage Optimizer)	Yes	Class 1
HPE Virtual Machine Explorer	Yes	Class 3

SUITES	E-LTU OR E-MEDIA AVAILABLE [*]	NON-PRODUCTION USE CATEGORY [**]
HPE Adaptive Backup Recovery Suite Premium Edition	Yes	Class 3
HPE Adaptive Backup Recovery Suite Ultimate Edition	Yes	Class 3

[*] Any product sold as E-LTU or E-Media shall be delivered electronically regardless of any contrary designation in a purchase order.

[**] Non-production use rights, if any, can be found at **software.microfocus.com/about/software-licensing**.

Definitions

Capitalized terms not otherwise defined in this ALA document are defined in the governing agreement.

TERM	DEFINITION
Agent	means that portion of the software that manages and is required for each physical or virtual PC, laptop, or Mac device for which backup is required.
Cell	means a set of systems that are under the control of a Cell Manager. The cell typically represents the systems on a site or an organizational entity, which are connected to the same LAN. Central control is available to administer the backup and restore policies and tasks.
Cell Manager *or* CM	means the main system in the cell where the essential Data Protector software is installed and from which all backup and restore activities are managed. The GUI used for management tasks can be located on a different system. Each Cell has one Cell Manager system.

TERM	DEFINITION
Client	means any application or systems which provide functionality separate from that of the software while providing for the facility to connect to and interact with the software.
Cluster *or* **Clustered Computer**	means a group of servers or other resources that act like a single system and enable high availability and in some cases, load balancing and parallel processing. A clustered computer may also be referred to as a cluster node.
CPU Socket *or* **Socket**	means a physical connector between a microprocessor and a circuit board on a physical server; typically the number of sockets is equal to the number of processors.
Database *or* **DB**	means a container which stores application data including table structure, stored procedures, and other functionality that runs on a Database Instance.
Database Instance	means a software application that has the sole purpose of acting as a container that hosts and executes one of more Databases.
Device *or* **Dev**	means an addressable entity, physical or virtual, including but not limited to router, switch, bridge, hub, server, PC, laptops, handheld device or printer that resides within the range defined for interrogation and asset tracking.
Drive *or* **Drv**	means a physical unit that receives data from a computer system and can write it onto a magnetic medium (typically a tape drive). It can also read the data from the medium and send it to the computer system.
E-LTU *and* **E-Media**	means products which are electronically delivered only, and as such any reference to FOB Destination or delivery methods that are stated on your purchase order other than electronic shall be null and void with respect to these E-LTU or E-Media products.
Implementation	means an installation of the software on a single Server or installed on a Cluster of Servers which work together as a single installation of the software.
Instance	means each Implementation of the application installed on a Server.
Internal Use	means access and Use of the software for purposes of supporting your internal operations or functions.
LTU	means License To Use.
Manager-Of-Manager (MoM)	means several Cells can be grouped together and managed from a central cell. The Manager-Of-Manager includes all clients located in several Data Protector Cells which are managed and administered from a central Cell using the Manager-of-Managers concept.
Media *or* **Medium**	means typically a tape or a file on disk holding backup data.
Mirrored Server	means the configuration of two identical Servers (OS Instances). that provide redundant storage of data and failover backup and retrieval service
Operating System Instance *or* **OS Instance** *or* **OSI**	means each implementation of the bootable program that can be installed onto a physical system or a partition, such as system Virtual Machines, virtual environments, virtual private servers, containers, guests and zones, within the physical system. A physical system can contain multiple Operating System Instances. A container means a system partition based on software rather than hardware. Guests means a VM system running on a host system where the host runs its own complete OS Instance (as opposed to a hypervisor), like VMware Workstation. Zone means Oracle/Sun Solaris specific nomenclature for a software partition which can run a virtual OS instance including but not limited to Sparse, native, and ipkg.
PB	means petabytes which designates the amount of physical capacity that can be managed.
Repository	means a set of data locations that are grouped together for the purpose of data analysis and management.
Single Server *or* **Svr**	means a designated computer system in which an Instance or Instances of the software is installed.
Slot	means a mechanical position in a library. Each Slot can hold a Medium, such as a DLT tape. Data Protector references each Slot with a number. To read a Medium, a robotic mechanism moves the medium from a Slot into the Drive.
Source *or* **Src**	means the production database being extracted or archived from.
Suite	means two or more software products combined into a single license offering. The specific software products included in a Suite are specified in the Software Specific License Terms below. Software products included in a Suite are governed by the individual authorizations and use restrictions associated with each software product.
Token	means a unit of measurement calculated using the quantity and type of HPE Data Protector licenses installed on Cell Managers.
TB	means terabytes which designates the amount of physical capacity that can be managed.
Unlimited	means without restrictions in terms of number of systems, devices or media, depending on the context.
Use	means to install, store, load, execute and display one copy of the software.
Virtual Machine *or* **VM**	means a computer that does not physically exist but is simulated by another computer.
Workstation	means a desktop system (for Microsoft® platforms this is typically running Windows® XP or Windows Vista® operating system) in contrast to a server system, typically located in the data center (for Microsoft platforms this is typically running Windows 2003/2008 Server operating system).

Software specific license terms

Software products with software specific license terms are described below. Software products covered by this ALA document (as listed above) and not covered in this section do not have software specific license terms.

HPE Backup Navigator (previously called HP Backup Navigator)

HPE Backup Navigator is licensed by a) capacity (in TB or PB) and based on the maximum capacity protected by HPE Data Protector, b) by Token, or c) by Cell Manager and limited to 10 TB's.

HPE Connected Backup (previously called HP Connected Backup)

HPE Connected Backup is licensed by Single Server, by Mirrored Server and by Agent.

HPE Data Protector (previously called HP Data Protector)

HPE Data Protector is either licensed by capacity (in TB or PB) or is licensed by feature (Cell Manager, Client, Drive etc, also referred to as traditional licensing). These licensing models may not be mixed within one Implementation of the software product.

The quantity of TB's or PB's required is calculated using the following rules:

- For a full and incremental backup concept, only full backups are considered.
- For an incremental forever policy, a "synthetic" full is taken as base.
- The capacity is measured in front end TB's or PB's, meaning the aggregate amount of source data being backed up from all systems; each system is measured at its largest full backup.

The capacity based license includes license-to-use (LTU) for:

- Cell Managers and Manager-of-Managers
- Tape Drives and Libraries
- Online Backup & Granular Recovery Extensions
- Zero Downtime Backup & Instant Recovery for HPE arrays
- Advanced Backup to Disk & NDMP
- Online Extension Backup & Zero Downtime Backup for non-HPE arrays

HPE Data Protector Starter Pack: includes the license-to-use (LTU) for:

- one management server (Cell Manager) on the specified platform
- Unlimited number of backup clients (agents) on any platform
- one Drive license
- Windows and Linux Starter Packs contain a Windows direct attached Drive license. HP-UX and Solaris Starter Packs contain a UNI/NAS/SAN Drive license
- built in Media management
- libraries up to 60 Slots
- System Disaster Recovery options
- sophisticated reporting (in Data Protector GUI and via the web)
- service-centric management through integrations into HPE software

This license is obligatory. Individual licenses are required for additional Drives and additional functionality. All UNIX licenses can be used for Windows, NetWare, and Linux.

Notes:

- In case the Cell Manager is running in a cluster using the same virtual IP address for all nodes in the cluster, only one starter pack is required.
- In case the Cell Manager is running in a virtual machine environment one starter pack is required for each individual Cell Manager IP Address.

HPE Data Protector Drive License for SAN, UNIX, NAS: includes the license-to-use (LTU) for one Drive, directly attached to a UNIX, MPE, OpenVMS system, a NAS device, used in a SAN, or used for serverless backup. A Drive can be a tape drive, a file device, or Magneto Optical drive. You need as many licenses as there are Drives in use at any point in time. This is typically the total number of configured Drives to allow all Drives to be used simultaneously.

- Drive licenses cannot be shared between multiple Cells.
- This license can be used for Windows, NetWare, and Linux. However, if the Drive is not used in a SAN, it is more affordable to use the Drive license for Windows.
- This license is required for NAS systems managed via NDMP (for example Network Appliance Filers and EMC Celerra File Servers), or NAS systems requiring a Data Protector proprietary Device Server (Media Agent), (for example HPE StorageWorks NAS 8000). NAS systems powered by Windows, NetWare, or standard Linux, which can run a standard Data Protector Device Server (Media Agent), require only the Data Protector Drive license for Windows, NetWare, Linux.

For supported drives please refer to the Data Protector support matrices at the following web link: **hpe.com/software/dataprotector**.

HPE Data Protector Drive License for Windows, NetWare and Linux: includes the license-to-use (LTU) for one Drive directly attached to a Windows, NetWare, or Linux (Intel) system. A Drive can be a tape drive, a file device, or Magneto Optical drive. You need as many licenses as there are Drives in use at any point in time. This is typically the total number of configured Drives to allow all Drives to be used simultaneously.
- Drive licenses cannot be shared between multiple Cells.
- In case that multiple systems access the Drive in a SAN, the Drive extension for UNIX, NAS,SAN is required. A Fiber Channel point-to-point connection is not considered a SAN.
- This license is valid for Drives attached to NAS devices powered by Windows, NetWare or Linux, which can run a standard Data Protector Device Server (Media Agent).

For supported drives please refer to the Data Protector support matrices at the following web link: **hpe.com/software/dataprotector**.

HPE Data Protector Library: includes the license-to-use (LTU) for managing tape libraries with the number of physically available Slots within one Data Protector Cell. A license is required per library. The license type is determined by the number of physical Slots:

- with 61- 250 Slots
- with unlimited Slots (more than 250 Slots)
  - STK silos using ACSLS and GRAU/EMASS library systems using DAS require the Unlimited Slot license.
  - This license is based on the physical Slots inside the library, not logical Slots.
  - Libraries with the capability to create virtual partitions also require the license based on the number of physically available Slots once per physical library.
  - In case of library sharing between multiple Cells the Manager-of-Managers LTU is required for each Cell to license the library across all Cells with one license. Otherwise one license is required for each Cell.

For supported drives please refer to the Data Protector support matrices at the following web link: **hpe.com/software/dataprotector**.

HPE Data Protector On-line Backup: includes the license-to-use (LTU) to perform on-line backup of Databases and applications running on the specified platform. License is required per server, it does not matter how many Databases are running on the system. Even if Databases of different types are running on the same system, only one license is required. As a general rule, every system responsible for storing application data to be protected in an online state requires a Data Protector On-line Backup LTU.

- If a system runs multiple partitions, this LTU is required for each partition.
- In a cluster environment, each system participating in the cluster requires a LTU.
- In an Oracle RAC (Real Application Cluster) each cluster node with an installed Application Agent requires one On-line backup LTU.
- On-line Backup LTUs are required when using Zero Downtime Backup to product applications.
- Open file backup using the Windows file system snapshot feature VSS (Volume Shadow copy Service) does not require the On-line backup LTU. However, VSS integrated On-line backups, On-line backup of Databases, which are not part of the operating system, require this On-line backup LTU. System configuration backup does not require the On-line backup LTU.
- Required for MS Exchange Single Mailbox backup.
- Each node with a configured Oracle DataGuard standby Database in Data Protector requires this license.
- VMware Consolidated Backup (VCB) and VMware ESX Server backup require one Windows / Linux license per ESX Server, VCB Proxy, and VMware Virtual Center participating in the backup and restore process. Script based VCB and ESX Server backup do not require the On-line Backup license.
- On-line Backup of an application/Database on a VMware Virtual Machine requires one license.
- Not required for HPE Network Node Manager On-line backup.
- Not required for HPE Systems Insight Manager On-line backup.

For supported Databases please refer to the Data Protector support matrices under: **hpe.com/software/dataprotector**.

On-line Backup licensing in Virtual Environments:

- Storage API for data protection (VADP), VMware Consolidated Backup (VCB) and VMware ESX/ESXi Server backup require one On-line Backup LTU for Windows, Linux license per ESX server, ESXi server, or vSphere server.
- Microsoft Hyper-V environments require one On-line Backup LTU for Windows, / Linux license per physical Hyper-V server.
- Additional On-line Backup LTUs are required for each virtual machine that contains application-specific agents.
- On-line Backup of an application/Database on a VMware Virtual Machine requires one license per Virtual Machine.
- On-line Extension Backup Licensing for Microsoft SharePoint.
- In SharePoint environments, an On-line Backup LTU is required for each physical system that contains persistent data, such as content Databases or index servers.

HPE Data Protector Online Extension Backup: this license is valid for use with either traditional or capacity based Data Protector implementations. Includes the license-to-use (LTU) to perform on-line backup of MySQL and PostgreSQL Aatabases and applications running on the specified platform.

HPE Data Protector Manager-of-Managers: includes the license-to-use (LTU) for each Data Protector management server (Cell Manager), running on the specified platform, to be part of a Manager-of-Managers environment This license is required in addition to the Cell Manager license from the Starter Pack.

- Required to share tape libraries between multiple Data Protector Cells.

HPE Data Protector Advanced Backup to Disk: includes the license-to-use (LTU) for 1 TB of backup disk storage. Required once per TB usable native capacity of backup disk storage. The Data Protector Advanced Backup to Disk license is required to backup to a Data Protector file library and to a Data Protector backup to disk device type, and can be used instead of a license to backup to a virtual tape library.

HPE Data Protector Zero Downtime Backup (ZDB): includes the license-to-use (LTU) for one TB of used primary disk space capacity of the specified operating system (UNIX, Linux, or Windows) based backup utilizing the snapshot capabilities of any disk array supported by Data Protector Used primary disk space capacity is defined as the total capacity of all primary disks on the disk array used by UNIX, Linux or Windows systems. The primary disks contain the application data and are protected by Data Protector. A Data Protector On-line Backup LTU is additionally required per system, to protect all applications using ZDB. A separate license for ZDB is available for HPE storage systems and non-HPE storage systems.

HPE Data Protector Instant Recovery: includes the license-to-use (LTU) for one TB of used primary disk space capacity, of UNIX, Linux or Windows based backup utilizing the snapshot capabilities of any disk array supported by Data Protector. Used primary disk space capacity is defined as the total capacity of all primary disks on the disk array used by UNIX, Linux or Windows systems. The primary disks contain the application data and are protected by Data Protector.

HPE Data Protector Direct Backup for XP: includes the license-to-use (LTU) to perform direct backup with HPE StorageWorks disk array XP. A license is required for each TB of used Source disk space needed for direct backup (serverless).

HPE Data Protector Direct Backup for NDMP: includes the license-to-use (LTU) to backup 1 TB of 1 NDMP Server. Required once per terabyte (TB) used disk space, for each file server being backed up via NDMP (e.g. Network Appliance Filers or EMC Celerra File Servers).

HPE Data Protector Encryption Extension: includes the license-to-use (LTU) to encrypt all backup data of one Data Protector client Server or Workstation with the Data Protector AES 256 bit encryption software. A license is required for each Data Protector client (Agent / Application Agent) with encryption configured.

- Tape Drive based encryption is free of charge and does not require this license.
- In a cluster environment, each system participating in the cluster requires a LTU.

HPE Data Protector Granular Recovery Extension: includes the license to restore single items from a backup done on a single Server with a DP On-line Backup extension (in this case the DP On-line Backup LTU is required. For other backup sources like offline backups or 3rd party backup of the GRE supported applications, one GRE license is needed per target Server to which items will be recovered with GRE.

Granular Recovery Extension Licensing for Microsoft SharePoint: for SharePoint environments, a Granular Recovery Extension license is required for each physical Server that contains a content Database which backup acts as a Source for recovering a single document, a directory or an entire site.

Granular Recovery Extension Licensing for VMware: for VMware, a Granular Recovery Extension (GRE) license is required for each ESX Server that hosts one or multiple Virtual Machines during backup and which files are recovered using GRE.

One Data Protector On-line Backup LTU is required per system to perform a backup that can be used for Granular Recovery.

HPE Data Protector Media Operations: the Entry Level license includes the license-to-use (LTU) for 2,000 Media, one management server and unlimited clients. The Enterprise license includes the license-to-use (LTU) for 10,000 Media, one management server and unlimited clients. The Unlimited license includes the license-to-use (LTU) for Unlimited Media, one management server and unlimited clients.

HPE Data Protector Single Server Edition: includes the license-to-use (LTU) to backup one single Server on the specified platform; with an unlimited number of UNIX and/or Windows Workstations; one Drive; and the ability to manage one auto-changer/library with up to 10 Slots. The Single Server Edition for Windows can only manage Windows Workstations.

HPE Data Protector Management Pack (previously called HP Data Protector Management Pack)
HPE Data Protector Management Pack is licensed by Cell Manager.

HPE Storage Optimizer (previously called HP Storage Optimizer)
HPE Storage Optimizer is licensed by TB and based on the maximum capacity under management by HPE Storage Optimizer. The calculation of the TB's required is calculated by summing up the size of all the Repositories under management. If any subset of data is analyzed by two separate Repositories then this data is counted only once. Repository includes the following concepts present in HPE Storage Optimizer: repository, subset, repository group.

Any amount of data that has been deleted or migrated outside the analyzed Repository by the software or in a manual matter frees HPE Storage Optimizer licensing capacity that can be then reused. Said freed spaced can however be reused only to analyze the natural growth of the same Repository. The freed up licensing capacity can therefore not be used to analyze a new set of Repositories. Under these circumstances the customer is prohibited from pointing the product to a new Repository.

If the Repository is fully deleted or migrated from the primary Source (all of the originally analyzed files are deleted or migrated to a different location) then the freed up licensing capacity can be reused for a different Repository.

Under no other circumstances does the deletion or migration of data free licensing capacity.

HPE Virtual Machine Explorer
HPE Virtual Machine Explorer (HPE VM Explorer) is licensed by CPU Sockets on hypervisor hosts. Additional CPU Sockets should be purchased to protect additional processors within your hypervisor host(s).

HPE Virtual Machine Explorer Professional Edition Starter Pack includes the license-to-use (LTU) for 4 (four) CPU Sockets.
HPE Virtual Machine Explorer Enterprise Edition Starter Pack includes the license-to-use (LTU) for 6 (six) CPU Sockets.

Either HPE VM Explorer Professional Edition Starter Pack or HPE VM Explorer Enterprise Edition Starter Pack is obligatory. Individual CPU Socket additions are applied on top of Starter Packs.

HPE Data Protection Suite offerings

SUITE	OFFERING INCLUDES
HPE Adaptive Backup Recovery Suite Premium Edition	• Is a per TB license and includes the HPE Data Protector capacity based license as well as the HPE Backup Navigator license.
HPE Adaptive Backup Recovery Suite Ultimate Edition	• Is a per TB license and includes the HPE Data Protector capacity based license, the HPE Backup Navigator license and the HPE Storage Optimizer license.

Additional license terms

	TERM
A.	Unless stated otherwise, you are authorized to Use one Device at a time for your Internal Use.
B.	Software contains software and associated specifications licensed from third parties that are confidential to, and trade secrets of, such parties. You will not take any action other than to Use it as authorized under the agreement as part of the software products and will not disclose it to third parties.
C.	Any licensing terms designated as being of Autonomy that may be embedded in the software are inapplicable in their entirety.

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Latest version of software licensing documents

Hewlett Packard Enterprise