

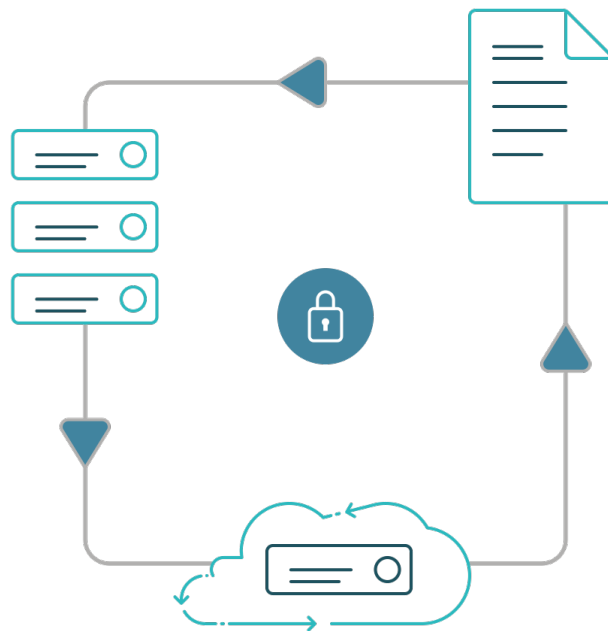
A photograph of five hands raised in a gesture of participation or agreement. The hands are of various skin tones and are wearing different colored sleeves: a dark red sweater, a white shirt, a light blue shirt, a grey suit jacket, and a dark blue shirt. The background is a plain, light grey color.

# Unitrends Backup Software Frequently Asked Questions

# Unitrends Backup Software Frequently Asked Questions (FAQs)

**Unitrends Backup converges enterprise backup software, ransomware detection, and cloud continuity into a powerful, all-in-one platform.**

- 1. How is Unitrends Backup licensed?**  
Unitrends Backup software is licensed by socket for hypervisors and by server for physical machines. Four editions of the software are available. Base prices include one year of 24x7x365 support with an annual renewal available. Support terms of 3 or 5 years can be chosen at the time of initial purchase or Support plan renewal. Software licenses are perpetual. For more details on the functionality and pricing of each edition, visit [www.unitrends.com/editions](http://www.unitrends.com/editions).
- 2. Can I mix and match the editions of my sockets and server licenses?**  
In general, all licenses for a single customer must use the same edition. It is possible to purchase separate editions for a single customer if the licenses are used to protect completely separate and isolated environments that do not replication to each other or share functionality.
- 3. What does a server license protect?**  
A Unitrends Backup server license protects physical machines running a non-hypervisor operating system, such as Windows or Linux—see the [Unitrends Compatibility and Interoperability Matrix](#) for a full list of supported environments. The functionality available for protection and recovery is based on the edition purchased.



**Unitrends Backup is a secure, all-in-one virtual appliance with built-in cloud integration**

**4. What does a socket license protect?**

The “Socket or CPU (central processing unit) Socket” refers to the physical interface or connector that provides mechanical and electrical connections between a device (usually a microprocessor) and a printed circuit board (PCB) on an end user-owned or controlled computer or physical server, irrespective of make, size and processing capacity. In simple terms, it is the number of processor sockets that reside in a hypervisor host.

**5. Do I need to license all sockets on a host running a hypervisor?**

Only occupied sockets require a license, but ALL occupied sockets of the host must be licensed to protect its virtual machines. You are not permitted to protect virtual machines that run on unlicensed hosts.

Because virtual machines can dynamically move between hosts, it is recommended to license all hosts available for a virtual machine to run on, even if protecting at the guest-level via an agent (see below for more FAQs on guest-level protection).

**6. If I purchase a socket license, are there any limits on the number of virtual machines that can be protected on that host?**

No, there are no limits. The socket license unlocks the capability of protecting unlimited number of virtual machines on that host.

**7. On a Hyper-V host machine, I would like to protect all the virtual machines on it as well as protect the Hyper-V server itself from a disaster. What licenses do I need for that?**

Unitrends Backup can protect the physical Windows Server that is running the Hyper-V role for a virtual environment. Because the Hyper-V role is used to run virtual machines (a hypervisor), the socket license allows you to protect the physical Windows data as well as the virtual machines. All occupied sockets must be licensed.

**8. Is the socket license the number of sockets on the hypervisor host that Unitrends Backup is deployed on?**

The socket license is required for what Unitrends Backup protects, not where Unitrends Backup is deployed. It is the total number of occupied sockets in the host machines (hypervisor) of the virtual environment that is being protected. For example, in a given environment, if there are 5 VMware ESX servers each having 2 CPU sockets, and there were 3 Hyper-V hosts each having 1 CPU Socket, then to protect all the

virtual machines in this Hyper-V and VMware environment, you to purchase  $(5 * 2 + 3) = 13$  number of socket licenses.

**9. With a socket license, when would I choose to deploy an agent to virtual machines to protect them at the guest-level?**

- In most cases, the socket license covers the virtual environment completely. However, there can be cases where some virtual machines should be – or must be – protected at the guest-level. Some of them are noted here:
- If the virtual environment being protected is running unlicensed VMware ESXi free, hypervisor-level backups cannot be performed. In this environment, every virtual machine that needs to be protected must have an agent installed to protect it at the guest-level.
- Databases and applications can be protected at the hypervisor-level. However, in some cases, hypervisor backups cannot backup those virtual machines as frequently as you may like without interruption to the application itself. This problem can be solved by protecting granularly at the application-level, rather than the hypervisor-level. Requires Enterprise edition and above.
- In order to reduce backup times and storage usage, you may want to protect just an application or certain files and not the entire virtual machine. Guest-level protection allows you to select specific files and folders to be protected. If you have a virtualized VMware environment that leverages Raw Device Mapping (RDM) in physical compatibility mode, that virtual machine’s RDM disk is automatically excluded from the hypervisor-level backup. To protect this data, that virtual machine must be protected at the guest-level.
- If you would like the ability to search at a file level across backups for restore purposes, guest-level protection provides this capability.
- If you want to run pre- or post-commands as part of the backup, for example, if you perform a backup of a third party database by running a script to pause the database before performing the backup.
- If you would like the ability to perform dissimilar bare metal restore of this virtual machine.
- If any NAS, iSCSI, or additional physical storage is attached to the virtual machine and should be included in the backup.
- If the virtual machine is very large and could be backed up more efficiently with a file-level agent.

- 10. What licensing is required to run agent-based guest-protection on a VM?**  
Guest-level protection for virtual machines is a feature of the socket license. As a result, virtual environment licensing is simple because there are no separate fees per agent or VM. Therefore, in order to take advantage of guest-level protection, the virtual machine must be running on a host that is covered by socket licenses.
- 11. How does Unitrends Backup protect Network-Attached Storage (NAS) devices?**  
Unitrends Backup can protect NAS devices at the file-level in Standard edition or above and with NDMP in Enterprise Plus edition. For details about how Unitrends Backup protects NAS devices, see the [NDMP FAQ](#).
- 12. Can Unitrends Backup protect desktops?**  
Yes. However, desktops are licensed and priced separately from the socket and server licenses discussed above. Please contact your sales representative for more information.
- 13. Are there any restrictions to the number of cores on the sockets?**  
No, there is no tiering of licenses based on the number of cores in the CPU socket.
- 14. What hypervisors can be protected with socket licenses?**  
Socket licenses can protect many hypervisors, with some even only protected at the guest-level. As a result, you can purchase socket licenses for the following hypervisor vendors:

  - Hypervisor AND guest: Paid VMware, Hyper-V, and Xen-Server
  - Guest-only: Free ESXi, KVM/RHEV, Oracle Virtual Machine (OVM)
  - Note: Standard Edition and higher are required for the XenServer, KVM/RHEV, and Oracle
- 15. I don't want to protect my entire virtual environment. Can I select specific ESXi and Hyper-V sockets to be protected?**  
Yes, this configuration is possible.  
*Note: Backups will only work on licensed sockets. If VMs move from licensed hardware to unlicensed hardware, then Unitrends Backup will no longer be able to back up those VMs. Therefore, it is best practice to license all sockets where a VM could potentially run.*
- 16. Can I run the Kroll PowerControls tool for a hypervisor-level backup of a virtualized Exchange or SharePoint environment?**  
Yes. You can leverage the file-level restore capability to expose the Exchange and SharePoint virtual machine and point Kroll to it for item recovery.
- 17. What is the amount of retention specified with a Unitrends Backup license?**  
Infinite. The retention is directly proportional to the amount of storage that can be provided by the customer for backup. The license has no limits on retention.
- 18. Can I configure the Unitrends Backup as a backup system as well as a replication target, thereby configuring it for cross-replication?**  
Unitrends Backup virtual appliances can only be configured for backup or backup copies (replication).
- 19. If I configure Unitrends Backup as a replication target for Recovery Series appliances, will the Unitrends Backup target have Enterprise Plus capabilities?**  
Yes, IF the Recovery Series appliance is also an Enterprise Plus edition. The features available on the UB replication target will match the licensing of your Recovery Series appliance.
- 20. What licenses are required for my DR site?**  
If a disaster recovery site is only used to recover your protected site, then you must have at least Standard edition or higher in order to copy data to the second-site in a WAN optimized fashion. The ability to recover within the DR site does not require any special licensing. If you want to take advantage of the automated testing and failover capabilities of Recovery Assurance, that functionality requires the protected site to be licensed with Enterprise Plus edition. If you plan on protecting data in both sites, then the second-site does require socket and/or server licensing in order to back-up data at the second site.
- 21. If I add additional sockets or servers to my license, what is the termination date for the support on the additional licensed resources?**  
If you upgrade your license (for example, if you add sockets) all licenses must be co-terminated with existing support contract in place.

**22. What level of support do I get with UB?**

UB includes one year of all-access Support—24 hours a day, 7 days a week, 365 days a year. A longer support term is available at time of purchase or renewal.

**23. What installation services are available with UB?**

Yes, a variety of installation versions are available. Read the [Unitrends Installation Services data sheet](#) for details.

**24. What is the time period of the trial license?**

The time period for the trial license is 30 days. After 30 days, you can purchase a license to continue using Unitrends Backup. [Contact us](#) to get license.

**25. Are not for resale (NFR) editions available?**

Yes. NFR licenses can be requested through Unitrends sales and channel representatives. The 1 year NFR license, available to certified Microsoft and VMware professionals, protects unlimited virtual machines with 4 socket licenses along with 2 server licenses, 2 application add-on licenses, and 1 NDMP license.

**26. Can the Unitrends Backup free trial be configured as a replication target?**

Yes. Both the free trial and NFR Editions can be configured as a replication target.

**27. Are software upgrades available to free trial users?**

Yes. At the end of the trial period, you can upgrade to a licensed version of Unitrends Backup and continue on with the backup process you had put in place with the trial version. There will be no interruption!

**About Unitrends**

Unitrends increases uptime and confidence in a world in which IT professionals must do more with less. Unitrends leverages high-availability hardware and software engineering, cloud economics, enterprise power with consumer-grade design, and customer-obsessed support to natively provide all-in-one enterprise backup and continuity. The result is a “one throat to choke” set of offerings that allow our customers to focus on their business rather than backup. Learn more at [www.unitrends.com](http://www.unitrends.com); follow us on Twitter @Unitrends.



Ready to get started  
with Unitrends Backup?  
Download a Free Trial today.