DATASHEET

HyperBoot™

Immediately starts a virtual machine from any ActiveImage Protector™ backup image file

What is HyperBoot™?

HyperBoot™ is a free standalone software add-on that can boot any ActiveImage Protector™ backup image as a virtual machine in minutes, bypassing lengthy physical to virtual conversion and recovery process.

Unique DisasterReady availability solution developed to meet user's requirements

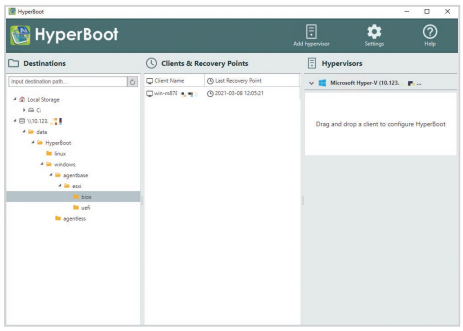
- Common disaster recovery approaches include mock disaster drills ensuring recoverability of backup files.
  (Why can we eliminate the whole lengthy recovery process just to ensure recoverability of backup files?)
- Virtual migration testing takes time and incurs extra cost.
- In the event of a system failure, full restore process takes lengthy time.

HyperBoot™, Actiphy's proprietary solution, was developed to meet the users' requirements.

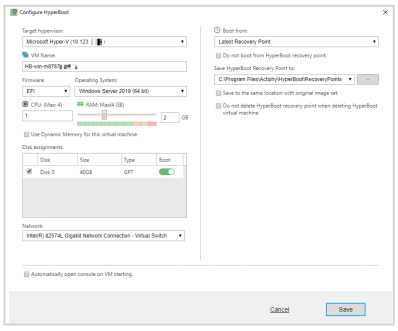
Main Features of HyperBoot™

- Immediately starts a virtual machine from any ActiveImage Protector™ backup image. In general, it takes about a couple of hours to restore a 1TB backup image file of Windows system. The use of HyperBoot™ enables you to boot a backup image file as a virtual machine in as little as two minutes (according to our test results) *.
  * The boot time is environment-dependent.
- HyperBoot™ virtual machine, containing the OS, applications and all the data from the original source machine, provides an alternative availability solution to bridge the gap between disaster and recovery in the event of a system failure or while hardware is repaired.
- Migration of a virtual machine booted on Hyper-V or vCenter to the production environment by using Hyper-V Live Migration or vCenter vMotion enables to complete restoring the backups as the virtual machine. The new Virtual Disk Emulator feature allows emulation of a backup image as a virtual disk, therefore, the backup image files can be operated in the same way as virtual disks.
- Eliminates lengthy physical to virtual conversion or restore process.
- Supports major virtualization applications:
  Microsoft Hyper-V (Remote and Local), VMware ESXi, VMware Workstation Pro / Player, Oracle VirtualBox are supported.
  * Supports Windows 10 only when using hypervisor configured on local host.
- uEFI system and 2TB or larger volumes are supported.
- Boots backups created by all versions and editions of ActiveImage Protector™.
- Combined use with ImageCenter™ LE on the same host is supported.

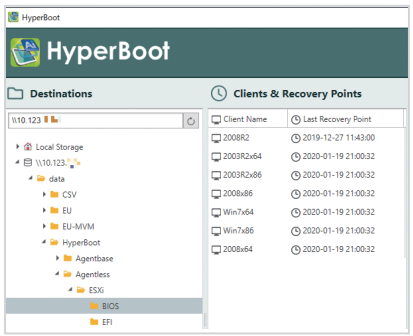
Console window



Settings window



Select Recovery Point



Primary Merits of HyperBoot™

HyperBoot™ starts a virtual machine from any ActiveImage Protector™ backup image by selecting a recovery point in the event of a system failure, eliminating lengthy recovery time.

Identify failure points by selecting recovery points. HyperBoot™ provides a highly practical solution, eliminating the need to restore the backup images respectively.

Use Live Migration to effect “recovery on boot” of a HyperBoot™ virtual machine on Hyper-V or VMware ESXi to a hypervisor in a production environment.

<Examples of Primary Merits>

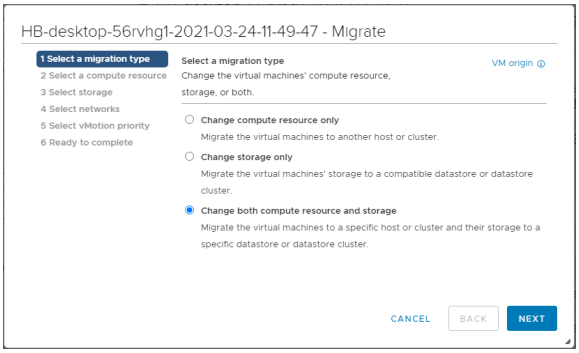
- In the event of a ransomware attack, boot a HyperBoot™ virtual machine from any point-in-time backup image before virus infection.
- As a result of a power failure in the whole building, server shut-down caused system failure. HyperBoot™ virtual machine can provide a “spare wheel” to immediately run servers and resume operation.
- Cumbersome disaster / recovery tests in production environment take lengthy time. HyperBoot™ can quickly boot up backup images as virtual machines while testing prior to deployment.
- Identify and isolate the point of failure without restoring the incremental files one after another.
- Use HyperBoot™ for virtual migration testing prior to deployment.

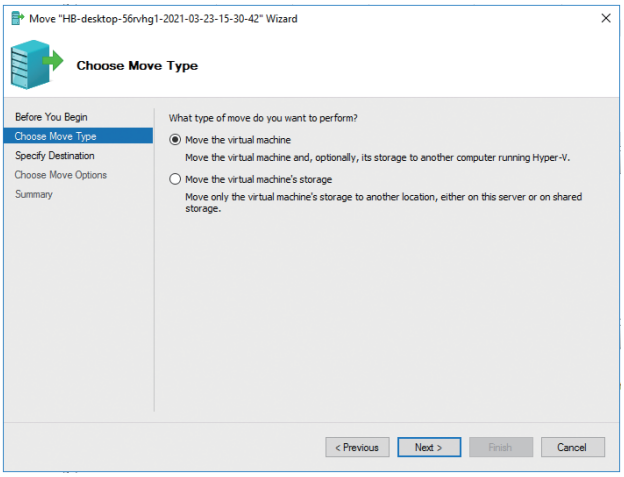
Virtual Disk Emulator

HyperBoot™ provides Virtual Disk Emulator enabling emulation of a backup image as a virtual disk in VHDX or VMDK format.

The emulated virtual disk is hardly distinguishable from the original virtual disk on hypervisor, so that hypervisor’s storage migration features including Hyper-V Live Migration, vCenter vMotion, etc., are fully supported.

While the virtual machine booted by HyperBoot™ is running, the emulated virtual disk may be migrated to the “real” virtual disk and used as the restored virtual machine.





HyperBoot™ is entirely free-of-charge and is included with the ActiveImage Protector™ trial and full software solution.

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