

RVP

REDMOND VENDOR PROFILE

V-locity™ 2 Virtual Platform Disk Optimizer: Eliminating Barriers to Maximum I/O Bandwidth



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Q What performance barriers are virtual platforms faced with?

A One aim of virtualization is to make the system infrastructure more efficient and flexible. Do more with what you have. Increase availability and performance. Eliminate waste. Conserve energy. Consolidate. In today's business climate this has a major impact on profitability.

But virtualization is still hindered by the same performance barrier that has affected physical servers for decades—fragmentation. With virtual storage, you have performance degradation caused by fragmentation at both the virtual level as well as the host level. To make matters worse, virtual machines have limited knowledge of actual host hardware resource usage and no way to coordinate I/O requests across the VMs running on the same host platform. So you get accelerated VM fragmentation on top of host fragmentation and no way to eliminate it on one VM without impacting other VMs. There is also an issue with thin/dynamic disks. They can grow, but never shrink, even when files are deleted. This wastes free space on the physical disks that could be better utilized by others.

Q How does V-locity 2 help?

A V-locity 2 optimizes the storage performance on the entire virtualized platform from the host disk to the VMs. It eliminates resource management priority conflicts, operates invisibly in the background (by only consuming unused system resources) and maximizes I/O bandwidth efficiency. It also provides automatic analysis for "bloated" free space on thin/dynamic disks, allowing the option to compact the space to regain the

free space for other uses. It should be noted that V-locity 2 is the only solution of its kind and is completely automatic.

Q What makes V-locity 2 unique?

A V-locity 2 includes breakthrough proprietary innovations that are vital for ensuring maximum virtual platform performance.

InvisiTasking® processing technology allows the V-locity component on the host virtualization operating system to coordinate I/O optimization processing across all guests systems. This ensures optimal automated disk performance occurs with zero resource impact to the productivity of those systems.

Our adaptive and intelligent IntelliWrite™ fragmentation prevention technology prevents up to 85% of all fragmentation from occurring in the first place.

The Virtual Disk Compaction feature makes unused physical disk free space that has been allocated by thin/dynamic disks accessible again. This allows the user to monitor the unused space and "compact" the disk to remove the wasted free space.

Q What kind of company could take advantage of V-locity 2?

A Any company that wants to achieve and maintain the optimal storage performance, reliability, and utilization on their virtual systems. For this, V-locity 2 is an indispensable component for every company employing Windows systems on VMware ESX or Hyper-V™.

For more information please visit:
www.diskeeper.com/rmv3

