



Dell/Enmotus Virtual SSD - Cost Optimized Storage Performance

Enmotus Virtual SSD (VSSD) server based software allows you to realize the full performance of flash storage at a price you can afford. Flash is utilized as the primary storage for your active data, while cost effective secondary storage media stores your less frequently accessed data. Best of all, it does it automatically.

- Realize faster IO and lower latency because your critical applications run in Flash
- Save money because your cold data is stored on cost effective secondary storage
- Simplify management because everything is done automatically so you don't have to.

Enmotus' Virtual SSD software transforms the storage in your server into an Intelligent Data Management solution that automatically places your active data on primary storage and moves the cold data to secondary storage, all seamlessly without any user intervention. To the operating system, the primary and secondary storage looks like one single volume, so all your data is always immediately accessible.

Our virtualization technology provides the flexibility to meet your performance, capacity and cost requirements. Choose the flash media that meets your performance needs and blend it with capacity media into a single virtual volume.

Add as much flash as you need. You can add enough to store all of your active data, or if budgets are constrained, add as much as you can afford, rest easy knowing that VSSD automation technology allocates flash to your application in real-time. Pinning capabilities allow you to lock selected files to either the primary or secondary storage media, thereby providing greater flexibility.

Experience flash performance

Your active data remains on the primary storage. The low latency virtualization layer makes sure performance remains optimized as data is moved between storage tiers in real time. The virtualization and mapping architecture requires minimal CPU utilization, which means your CPU is used for your most important requirements - accelerating applications.

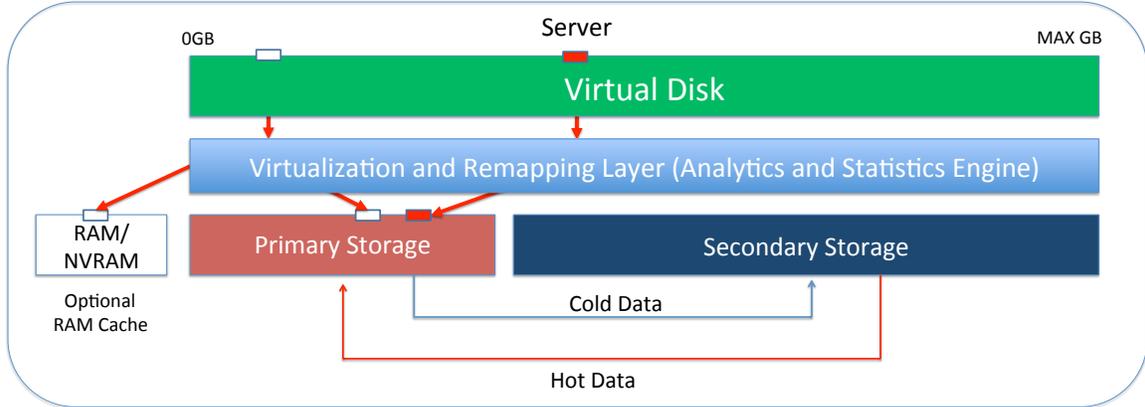
Buy the right amount of flash

Enmotus VSSD analytics identify the size of your working data set, which allows you to buy just the right amount of flash that you need. As needs change in the future or flash prices drop, VSSD allows you to add or replace your flash while keeping your system online. Bottom line, buy what you need today and save. Experience the performance of flash, but at a cost up to 5X less.

Increased flexibility

No more settling. Virtual SSD is optimized for new classes of commodity solid-state storage and memory technologies as well as traditional hard drives. Compatibility with any block device, such as HDD's, SSD's, NVMe, NVDIMM as well as 3DXPoint/Optane memory devices means you have the flexibility to choose the storage that meets your performance, cost and capacity requirements, even all flash solutions such as NVMe blended with SATA SSD.

The virtual disk is comprised of RAID protected primary (SSD) and secondary (SSD or HDD) storage, but appears as a single volume to the operating system. Active data resides on the primary storage. As the data gets cold, it is moved to the secondary storage location automatically, but is still easily accessible for occasional reads. If cold data becomes hot again, it will automatically be moved back to primary storage. Enmotus eLive Monitor utility provides an easy way to monitor activity.



The Enmotus Virtual SSD allows you take full advantage of the performance of flash storage without the cost of an all-flash solution. Since most data is rarely accessed after the first week, storing this data on secondary storage makes financial sense, which makes the Virtual SSD the ideal solution for any application that needs high IOPs, low latency and/or has a continuously growing volume of cold data.

DELL Virtual SSD	
SKU	DEVSSD32
Primary Tier Capacity	32 TB of Fast Tier
Maximum Capacity	256TB Total
Number of vSSDs	4
System RAM Cache	2, 4 or 8G
Physical drives /RAID Volumes	31
Drive Pooling	Stripe, Concat
File Pinning	Integrated File Explorer and Command Line Pinning
Supported Devices	SATA, SAS, PCIe SSDs (NVMe, AHCI, FusionIO) SATA, SAS HDDs, Hardware RAID Virtual Devices
Operating System Support	Microsoft Windows Server 2008R2, 2012, 2012R2, 2016 Redhat/CentOS 6.1 through 7.4t, Ubuntu 12.04/14.04, Mint 17,18
Analytics	Java based live volume monitoring (eLiveMonitor) Configuration Mgmt UI, Scriptable CLI
Applications	Database, CRM, ERP, OLTP, M&E, Content Delivery
Hardware/platform	Intel/AMD architecture compatible server, Minimum of 4GB DRAM - Direct Attached Storage Servers

