



FLASH R-R

A Machine Intelligent Storage Solution
powered by Enmotus and Intel® Xeon® Scalable Processors



enmotus



The Flash R-R is a machine intelligent storage solution from BIOS IT - a 2U rack-mount server, featuring virtual SSD software, computational storage and the power of Intel® Xeon® Scalable Family processors.

The BIOS IT Flash R-R is designed to deliver on data dependant mission critical applications. Your choice of performance storage media, such as NVMe flash, blended with scalable computational storage provides you the optimal balance of performance, storage utilisation and cost efficiency.

Fully automate the allocation of different classes of storage media to
application workloads in real time

VIRTUAL SSD SOFTWARE

The Flash R-R's virtualisation software fuses expensive fast devices with slower capacity devices into a single machine intelligent Virtual SSD drive. Utilising flash for primary storage of active data, while automatically storing cold data on cost effective media, the solution enables flash performance for key applications without overspending, guaranteeing bandwidth, increasing IO, lowering latency and most importantly, controlling costs.

INTEL OPTANE PERFORMANCE

Built on 2nd Gen Intel® Xeon® Scalable processors, the Flash R-R delivers industry leading, work-load optimized performance as well as platform innovations and hardware-enhanced virtualization across compute, network and storage, all with support for a new class of memory innovation - Intel Optane. Thanks to Flash R-R's virtualised SSD software, you can benefit from the massive performance hikes that Intel Optane affords, but at a fraction of the cost.

GET IN TOUCH

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Flash R-R Benefits



VIRTUALISE

Virtualise your storage devices and enable cost effective flash performance.



ANALYSE

Analyse your storage behavior and see what your devices are doing in real time.



OPTIMISE

Optimise storage performance without any user intervention.



PERFORMANCE

All flash equivalent performance for typical workloads



COST-SAVINGS

5X less than the cost of an all flash solution with equal capacity.



CAPACITY

All the capacity you need. No need to sacrifice capacity for flash performance.

Key Benefits

Applications run faster because your active (hot data) is stored on your fastest storage media. Reads and writes are accelerated

Hands free management because the solution is fully automated and continuously optimises in real-time

Best in class cost of ownership because your inactive data is automatically stored on your cost effective storage

Customisable to your applications requirements because you can mix the optimal storage media to satisfy the needs of your application

FLASH-RR SPECIFICATIONS



| | | | |
|------------------|---|---------------------|---------------------|
| FORM FACTOR | 1U | 2U | |
| CPU | INTEL® XEON® SCALABLE FAMILY PROCESSORS | | |
| MEMORY | 384GB DDR4 | | |
| STORAGE CAPACITY | 20TB | 50TB | 104TB |
| SSD STORAGE | 8x 1.92TB SATA SSD | 24x 1.92TB SATA SSD | 24x 3.8 TB SATA SSD |
| NVMe STORAGE | 2x 3.2TB NVMe SSD | | 2x 6.4TB NVMe SSD |
| LICENSE | ENMOTUS VIRTUAL SSD LICENSE | | |
| SUPPORT | INTERNATIONAL GLOBAL SUPPORT OPTIONS | | |

CUSTOM CONFIGURATIONS ACROSS CAPACITY, FORM FACTOR AND SUPPORT ARE ALSO AVAILABLE.

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