DATA SHEET

NSC-110
NETWORK-BASED STORAGE CONTROLLER

infiniteio™

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NSC-110 KEY BENEFITS

COST SAVINGS
Migrate inactive data to a cloud, lowering storage costs by as much as 80%

TOTALLY TRANSPARENT
No new mount points, file systems or virtualization

ULTRA HIGH PERFORMANCE
Metadata is served out of memory for local and cloud-migrated data

QUANTIFIABLE ROI
No risk simulation modes calculate expected savings

ACTIVE MIGRATION
Using IT-defined policies, data is continuously migrated to a cloud or low-cost NAS.

SECURE
Local keys, encryption, and data sniblets™

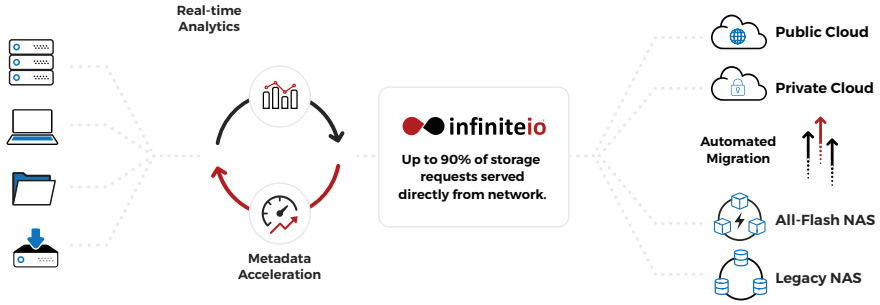
FAULT-TOLERANT
Clusterable for system fault-tolerance and port scaling

Intelligently Manage Hybrid Cloud Storage with InfiniteIO

Challenge

In the typical data center, 80 percent or more of all data is accessed briefly and then rarely accessed again. Inactive data tends to double every 24 months or less. Most of that information comes in the form of file data spread across digital media, collaboration and business intelligence. Many enterprise organizations have attempted to manage this data over hybrid cloud environments, keeping active data on-premises and inactive data in multiple public clouds. But that arrangement has proven to be more difficult.

Hybrid cloud computing is far more complex because of the number of times organizations will retrieve file data from a variety of public cloud sources. According to ESG, more than 40 percent of IT organizations have pulled at least one file-based workload back from public cloud to run onsite. While it's economical to keep infrequently-accessed file data in a public cloud, it's 10 times more expensive to retrieve. Public cloud storage scales well, but it does not typically provide the performance required by actively used file data.



The NSC-110 migrates inactive (cold) data off existing storage to a public/private cloud or low-cost NAS, while making it appear and perform as if it were still on primary storage.

CONTINUOUS POLICY-BASED FILE MIGRATION

Of all file-based storage requests, more than 90 percent involves metadata or information about the data – such as when the file was created, who created it, or who can read it. The InfiniteIO NSC-110 can help reduce storage costs by up to 80 percent over a hybrid cloud without disrupting workflows through intelligent file-based metadata management.

Using infiniview™, customers can create policies that continuously migrate files based on metadata attributes. As opposed to other solutions, all migrated files appear as if they reside on primary storage.

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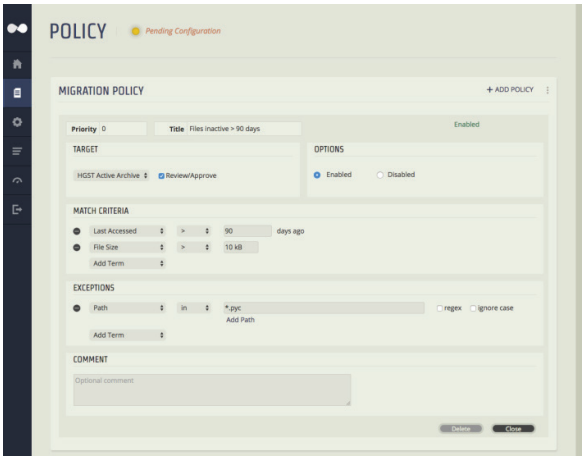
NSC-110
OVERVIEW

BUILT FOR THE CLOUD
Native migration interfaces
to public/private clouds
and low-cost NAS
Local encryption keys for
public cloud security

NON-DISRUPTIVE MODES
Out-of-band (simulation)
In-line (passive)
In-line (active)

POLICY-BASED CLOUD MIGRATON VIA
Last access
Last modified
User ID
Group
File size
File extensions
Directory
Wildcards
Regular expression
Other

AGENCY APPROVALS
UL60950
CSA 60950
EN60950
FCC /ICES-003
CE – EMC Directive
2004/108EC



Infiniview™ runs on any web browser and provides a unified view of cloud-migrated data and the connected storage systems. Its robust policy-definition interface allows for simple creation of advanced data migration policies.

If a user accesses a migrated file, it is moved off the cloud, served up by the primary storage system, and and migrated back to object storage after it again meets the criteria for cold data. There is no need for storage administrators to manually move data. They simply create policies using clear business logic, and the NSC-110 continuously migrates data to the optimum storage location.

HIGHEST PERFORMANCE

The NSC-110 collects metadata from the storage systems it is supporting and puts it in a memory-based metadata map. Unlike a cache, it's always hot. After the initial file systems scan, deep packet inspection is used to keep metadata current for both primary and cloud-migrated data. By serving metadata requests out of memory the NSC-110 is able to performance-enhance installed primary storage and make cloud migrated data perform like local storage.

CLUSTERING AND BYPASS MODELS

Clustering models interconnect to form a logical unit. Minimum cluster size is three controllers. Clustered units can withstand controller and storage system failures, and also support rolling system upgrades while in service.

The by-pass model does not cluster. On system or power failure, connected Ethernet port pairs turn into a wire, maintaining connectivity to attached storage systems.

Specifications	NSC-110s-1610B	NSC-110s-1610-3
CPU cores	40	120
DRAM	768GB	2304GB
SSD flash	5TB	15TB
10Gbps Ethernet port pairs	0	24
10Gbps Ethernet port pairs with bypass	8	0
Form factor	2U	7U

ABOUT US

InfiniteIO makes hybrid cloud storage simple and fast, ensuring information flows to people and applications that need it most, without disruption. Based in Austin, Texas, InfiniteIO provides real-time insights to analyze, optimize and scale capacity and performance throughout the hybrid cloud for global enterprises, research organizations and media companies. InfiniteIO offers customers and partners the fastest way to implement a hybrid cloud strategy and maximize the value of cloud storage. Learn more at www.infinite.ioor follow the company on Twitter @infiniteioand LinkedIn.

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