



FAST

DATA STORAGE

FOR MEDIA INDUSTRY

Take care of your business
while we take care of your data



WHY TRUST RAIDIX

High Performance

Outstanding sustainable storage performance designed to comply with industry specific requirements, processes, projects, software and specific applications

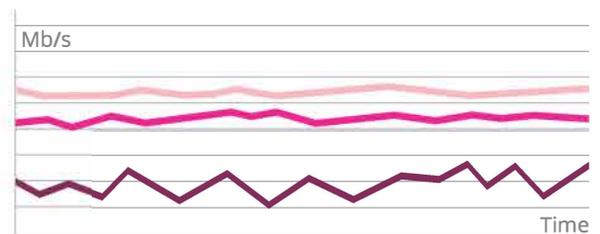
▶ **GREATEST POSSIBLE EFFICIENCY** for current hardware when working with multiple 2K/4K/8K streams due to optimized parallel RAID calculations

▶ **SUSTAINABLE STORAGE PERFORMANCE:** not a single frame will be dropped during post production processes even when RAID is in degraded mode (allows data reconstruction in case of 2, 3, M disks failure) and at peak system load

▶ QoSmic (Quality of service) minds your priorities **TO BALANCE STORAGE PERFORMANCE**

▶ Implemented SSD-cache mechanism **IMPROVES PERFORMANCE UP TO 10 TIMES** at transcoding tasks

Computing algorithms are so agile, that to calculate addressed data is faster, than to read it physically from disk media. The system runs at the maximum performance that hard drives subsystem is capable of. This feature enables high-performance with presence of several slow drives in the array. (Advanced Reconstruction)



- ▶ All drives in a good condition, RAID is not degraded
- ▶ Degraded RAID, Advanced Reconstruction is ON
- ▶ Some slow drives, Advanced Reconstruction is ON
- ▶ Some slow drives, Advanced Reconstruction is OFF
- ▶ Any other storage, degraded RAID

Reliability

No data will be corrupted or lost and will remain available even in case of equipment failure

▶ RAID 6, 7.3, N+M algorithms **PRESERVE DATA FROM LOSS** when 2, 3, M disks fail, depending on the required reliability level

▶ RAIDIX supports Active-Active architecture, which provides **FAULT-TOLERANT STORAGE CONFIGURATION**

▶ RAIDIX software significantly **REDUCES HARDWARE COSTS** due to the specific spare pool implementation

▶ Proper shut down mechanism through integration with UPS-signals **GUARANTEES DATA INTEGRITY** in case of power failure

▶ Silent data corruption detection and protection – **FIXES PROBLEMS WITHOUT PERFORMANCE DEGRADATION** and data loss

▶ **REDUCED ARRAY RECOVERY TIME** over accidental short-time disk breakdown: Partial Reconstruction feature allows restoring only a particular area containing corrupted or changed blocks of data on a hard drive

Price-to-performance ratio

A big win on hardware configuration costs

▶ Patented RAID calculation algorithms provide same **PERFORMANCE AND RELIABILITY** level using only **15-25%** of the equipment compared to what other solutions require

▶ Running on commodity-off-the-shelf-server hardware, RAIDIX software helps **TO REDUCE HARDWARE AND MAINTENANCE COSTS**

WHAT IS RAIDIX MEDIA

RAIDIX storage for media is available as

STANDALONE STORAGE APPLIANCE

SCALE-OUT NAS AND SHARED STORAGE

Flexibility

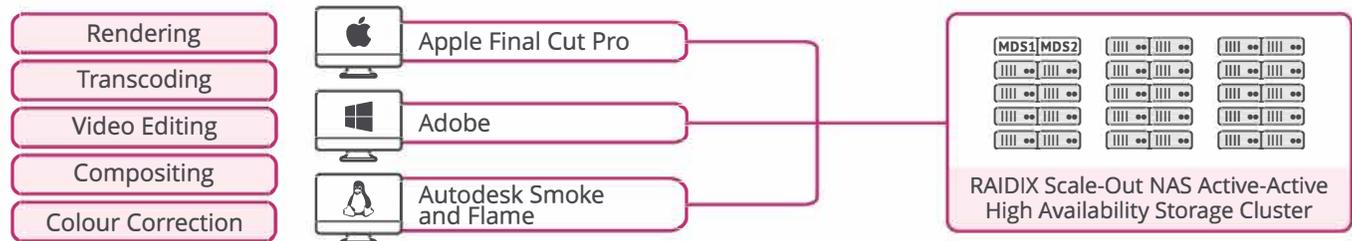
Straightforward and easy to use&control

- ▶ **EFFICIENCY AT EACH STAGE OF TECHNOLOGICAL PROCESS:** Near-line DAS, ingesting, editing, transcoding, content delivery, archiving, broadcasting
- ▶ E-mail alerts and real time monitoring of system performance and state

- ▶ **A FIT FOR ANY INFRASTRUCTURE** due to support of various protocols and interfaces: SAN, Fibre Channel, InfiniBand, iSCSI, 12G SAS, NAS (NFS, CIF, AFP, FTP)
- ▶ No extra training is required due to the Multi-language intuitive management Web-interface

Scalability

RAIDIX ExaSphere



AVAILABILITY RATE EXCEEDS 99,999. ExaSphere scales linearly from capacity and performance standpoint maintaining a single namespace for easy management. The system supports heterogeneous client OS via SAN and shares the same data via NAS. It is compatible with major media applications and satisfies the requirements of the most resource hungry ones.

HOW TO USE

No special training is required. RAIDIX has a multi-language intuitive web-interface, extended storage documentation, technical support and system maintenance **24/7**, which will make your work comfortable.

HOW TO BUY

CONTACT AC&NC TEAM TO PURCHASE RAIDIX. Our team will help you to determine your business tasks .

✉ sales@acnc.com

JetStor[®]
Storage. Solutions. Support.

RDX16



RAIDIX Media is implemented worldwide



TESTIMONIALS

SHARP IMAGE
Post-Production Studio,
Pakistan

CHALLENGE:
NAS storage implementation with scale-out-NAS functionality and performance improvement.

SOLUTION:
Cost-efficient Software Defined Storage, powered by RAIDIX software. Data protection, metadata controller functionality, and scalability to accommodate future growth.



IT SERVICES
System Integrator,
South Korea

CHALLENGE:
Upgrading existing storage architecture for CCTV storage infrastructure at Youngin, to ensure data protection, to reduce hardware costs and to save space.

SOLUTION:
Implementation of commodity hardware, powered by RAIDIX software which helped to lower ownership costs and protect current data.



"We were impressed that an industry leader like ATTO Technology recommended RAIDIX, and understood its reasoning when we discovered the solution's rich capabilities."

"RAIDIX is a complete storage solution for any company working with digital content, Our work is always safe and quickly available, ensuring we meet our clients' needs effectively and within their deadlines."

Arifeen Yousufi,
Deputy IT Manager, Sharp Image

"RAIDIX software is ideal for heavy data workloads, especially when budgets are tight."

"By avoiding hardware-based RAID controllers, RAIDIX provides a strong solution at a fraction of the cost of enterprise systems from leading vendors. RAIDIX exemplifies the value of software-based storage."

Gabriel Kang,
CEO, IT Services



RAIDIX is a high performance storage system development company. We tailor our products to fit industry-specific data storage needs for the market segments that have strict requirements towards storage reliability, scalability and high rate of data transfer.

The core strategic value is represented by patented erasure coding methods and innovative technologies that emerge from our research laboratory. Running on the commodity-off-the-shelf server hardware, RAIDIX creates a resilient storage with high throughput, high performance and low latency.

The global partner network consists of system integrators, storage vendors and IT solution providers, who build their storage products powered by RAIDIX focusing on professional applications. Media and Entertainment, Video Surveillance, Enterprise and High-Performance Computing (HPC) are the industries where huge amounts of unique data are generated on daily basis and where RAIDIX finds most of its customers.



Founded in 2009, RAIDIX brings years of previous data storage experience to our clients. Together with a deep understanding of industry-specific processes, our vast technical expertise provides specific solutions through each of our software product families.



About AC&NC

Offering storage solutions for over 20 years, Advanced Computer & Network Corporation designs, manufactures and markets high-performance, competitively priced RAID/Hybrid Flash/All Flash Array data storage systems.

With a wide range of storage solutions for any computing platform and operating system, comprehensive free technical support, and rapid product delivery, AC&NC provides confident data protection to its clients ranging from workgroups to enterprises.

AC&NC's 3,500 customers globally include the world's largest manufacturers, financial services firms, Internet companies, telecommunications and healthcare providers, educational institutions, government agencies, and the military.

JetStor Powered by RAIDIX

AC&NC provides RAIDIX software integration and support services to OEM customers and end users by combining hardware, software and services into a unified solution to meet your business requirements.

Today's solutions for specific storage issues, including media & entertainment, HPC and healthcare.

Please email our pre-sales support department at sales@acnc.com to discuss pricing.

JetStor – Storage. Solutions. Support.