



# K-12 Education

## Nexenta on Dell Solutions Brief

### Performance, Flexibility, and Lower Total Cost of Storage

K-12 public and private schools need to provide students with a learning environment that will keep them safe as well as allow them to store, retrieve, and share assignments created by their fellow classmates – in the classroom, on campus, or at home.



#### Nexenta on Dell

Nexenta and Dell have teamed up to deliver flexible and scalable software-defined storage (SDS) solutions that leading K-12 public and private schools demand, including advanced learning access and as increased classroom safety requirements grow; a guarantee of our students well-being. Nexenta and Dell solutions are pre-configured, pre-sized, and validated combinations of Nexenta software-only products – which cost effectively solve storage performance and data management bottlenecks – and industry-leading Dell hardware. Choose the solution that meets your capacity and performance requirements now, and easily upgrade and expand capacity by adding Dell storage enclosures as your requirements grow. Pre-integrated Nexenta and Dell solutions provide all the features you want, including SAN and native NAS protocol support, unlimited snapshots and cloning, block and file replication, inline deduplication, and comprehensive management capabilities.

#### The Nexenta-on-Dell Advantage

- Certified hardware and software stack for easy deployment
- Lowest total cost of storage
- Flexibility for easy expansion
- Highest levels of data integrity
- Improved data performance
- Enterprise support from Dell

#### With Nexenta on Dell, K-12 Educational Institutions Gain:

##### Lower Total Cost of Storage:

With data volumes growing faster than budgets, Nexenta offers inline data reduction to help shrink your storage footprint - and reduce your data center needs – by up to 70 percent, for a cost per seat that could be the lowest in the industry. Dell delivers a wide range of options so you can right-size systems to your requirements for performance and capacity, from 44TB to multiple petabytes of raw storage capacity.

##### Data Integrity:

Data integrity is essential for audio and video raw storage files. NexentaStor leverages the ZFS file system, with its checksum and copy-on-write features, to ensure 100 percent data integrity and protection against bit rot, which has become a growing issue as the amount of data has exploded.

##### Performance:

NexentaStor satisfies even the most demanding learners with fast access to content – all while it stays within budget constraints. High levels of memory caching in its ZFS technology, superior I/O, and inline data reduction deliver fast access. Dell certifies NexentaStor to provide stability, scalability, and peak performance on Dell platforms.

Revolutionize your data storage.



**Protect our classrooms with a validated Nexenta-on-Dell Software-Defined Storage Solution**

Request a proof-of-concept at [www.nexenta.com](http://www.nexenta.com)

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