# Education & Academic

## Introduction

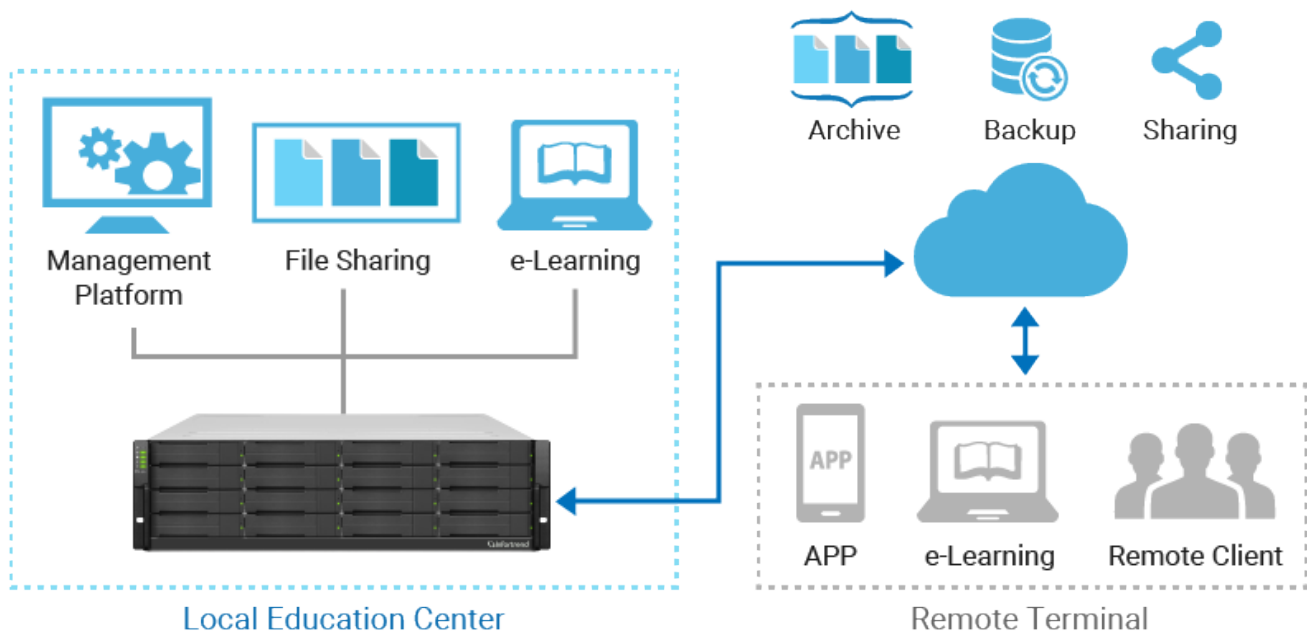# Do More with Flexible & Cost-Effective Storage for Education

Almost every day it seems that the students and faculties increase their demand on the IT infrastructure. However, budgets and IT resources do not. That's why you need to do more with less by deploying highly-flexible & cost effective storage solutions.

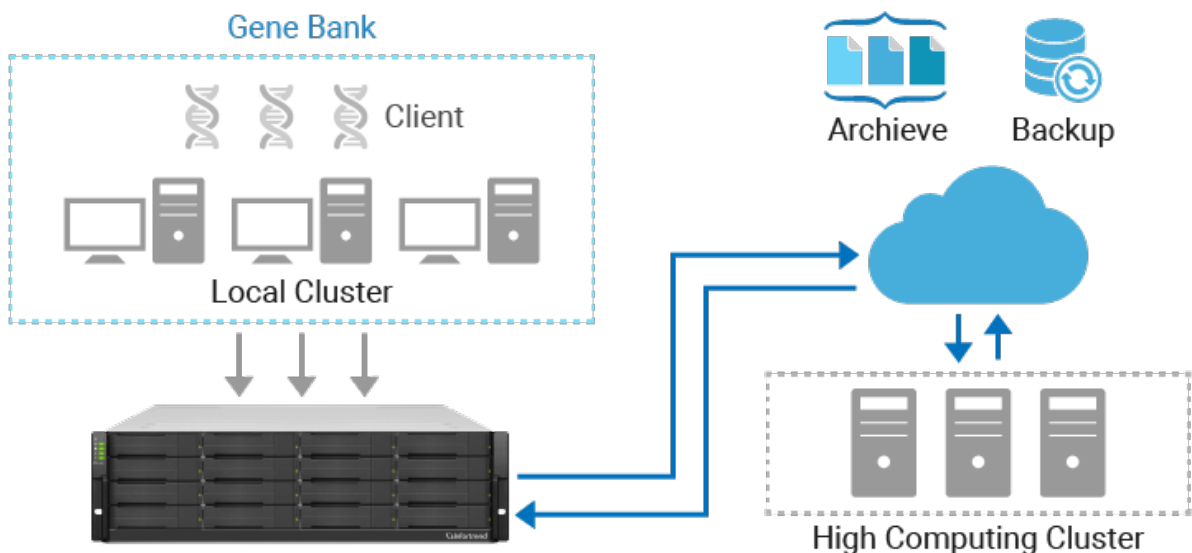---

## Solutions

# Hybrid Cloud Storage for Schools

Cloud storage have expanded their reach to schools, colleges and universities. Having cloud storage can make a lot of things easier. Files can be created, edited, shared and securely stored. In addition, all of that content can be backed up so it is never lost, misplaced or accidentally deleted.

- Fully customizable storage policies for local and cloud storage on a hybrid cloud infrastructure
- Synchronize data stored on local storage and the cloud, offering data storage, sharing, and cloud computing services for networked education storage
- With unique algorithms, data can be properly allocated between the EonStor GS and cloud, thereby maximizing the storage performance and security
- Full encryption for cloud storage and network transfer, supports AES-256 encryption and self-encrypting drives (SED) to protect from malicious attacks and prevent data leak

# Big Data Analysis for Gene Banks on the Cloud

- A gene sequencer generates one million data every 72 hours, with 5 sequencers connected to a high-performance local storage
- Optional EonCloud Gateway automatically synchronizes data sets to the cloud
- Data stored on cloud storage is synchronized to the high performance cloud computing NAS via synchronization tools on the cloud
- Cloud computing clusters will compute gene data
- Computed results are synchronized to local storages via EonCloud Gateway
- Cloud storage can also provide remote backup for gene data



## Related Products

The EonStor GS and GSe Pro family of unified storage can accommodate both file-level (NAS) and block-level (SAN) applications from file sharing, e-learning, to digital library. Capacity can expand up to 1,792 drives or more than 20PB raw capacity. In addition, rich selection of connectivity options, form factors, and optional cloud storage gateway allow schools to meet the present and future needs.

## e-Learning/ Flipped Classroom

- File sharing bandwidth of more than 3,600 MB/s for use with the classroom materials
- File sharing can support up to a maximum of 20,000 users and 512 user groups
- One data folder supports a maximum of 2,048 device connections





## Digital Libraries

Maximum expansion capacity of more than 20PB to efficiently solve the ever increasing issue storage growth of the digital library.

**EonStor GS**     **EonStor GSe Pro**

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# Related Information



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**Success Stories**
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