



Data Storage in 2024

In 2024, numerous trends will mature, with next-generation storage solutions more fully leveraging cloud, containers, orchestration, and data security capabilities.



1. Containers running on storage compute

Application containers are ideal for enterprises wanting to be both fast and flexible. Running those containers right on the storage solution where application data resides generates performance increases while helping to reduce capital expenditures on dedicated application servers.



2. Parallel distributed filesystems

The ability to scale out while preserving a unified filesystem and view means that your users can work with massively large datasets without the data access complications that come along with scaled-up storage silos.



3. Extreme performance

Whether you need speed or scalability, only a storage solution that accommodates both scale-up and scale-out architectures will get the job done no matter what the workload is.



4. The return of on-premises data

The urge to push everything indiscriminately into the cloud is diminishing as companies pull critical data back on-premises either for economy, data security, or both. Look for this trend to accelerate.



5. Storage assisting in ransomware recovery

Data storage can be a key tool in your cybersecurity survival kit by powering rapid backup and restore solutions as well as enabling lightweight data snapshots for accelerated recovery rollbacks to previous states.

Many industry analysts observe that increasingly **distributed workforces**, explosive growth in the **size and complexity of enterprise datasets**, and **high-end computing needs** are the key drivers of the enterprise storage market.



**Do these business conditions
affect your business?**

If so, reach out to us at hello@opendrives.com