

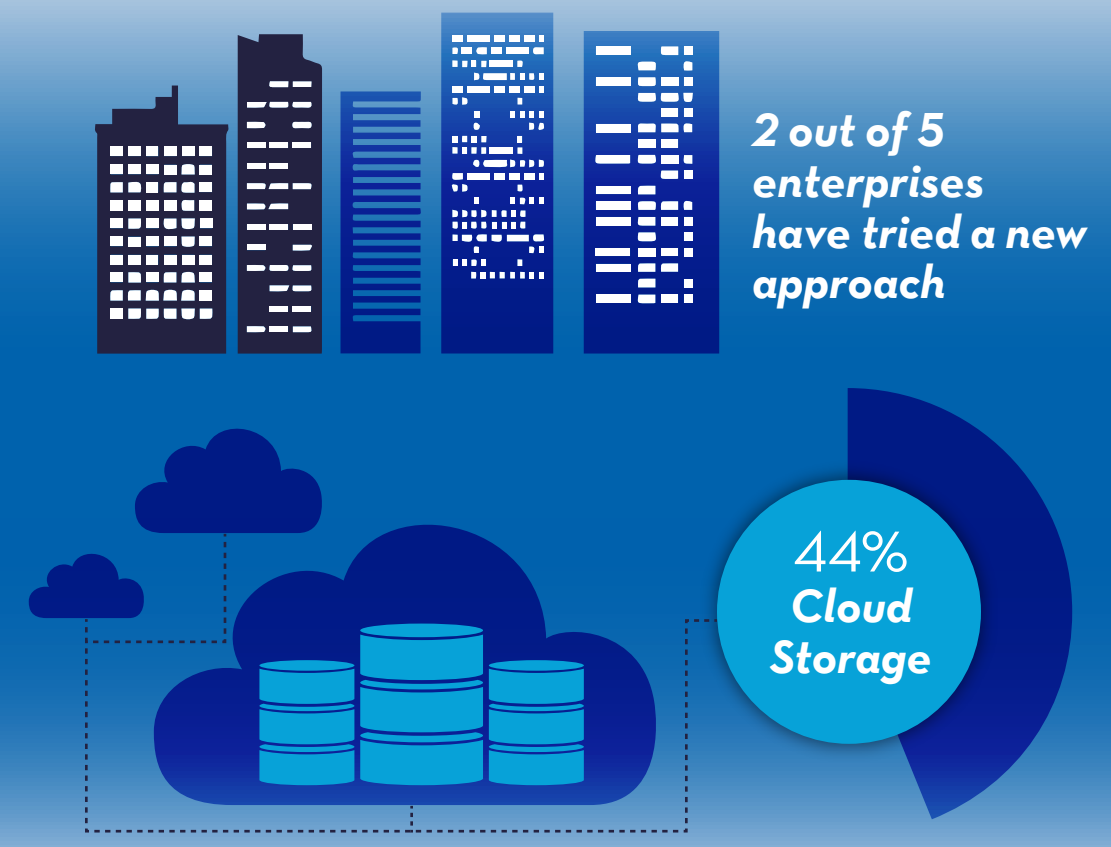
# STORAGE SHAKE-UP

## New Survey Reveals That 2 in 5 Enterprises Have Shaken Up Their Storage Strategy in the Last 12 Months

The image of data centers stacked with tape drives is fast disappearing... into the cloud, in many cases. As enterprises face a new set of storage challenges driven by machine-generated data and AI-based analytics, they're looking for new ways to scale up storage capacity and speed up data recovery times. Recently, Rolta AdvizeX surveyed a group of IT storage professionals from across multiple industries to find out the state of storage in their enterprises. Their answers revealed a storage shake-up featuring new technologies and new approaches to the age-old problem of data storage.

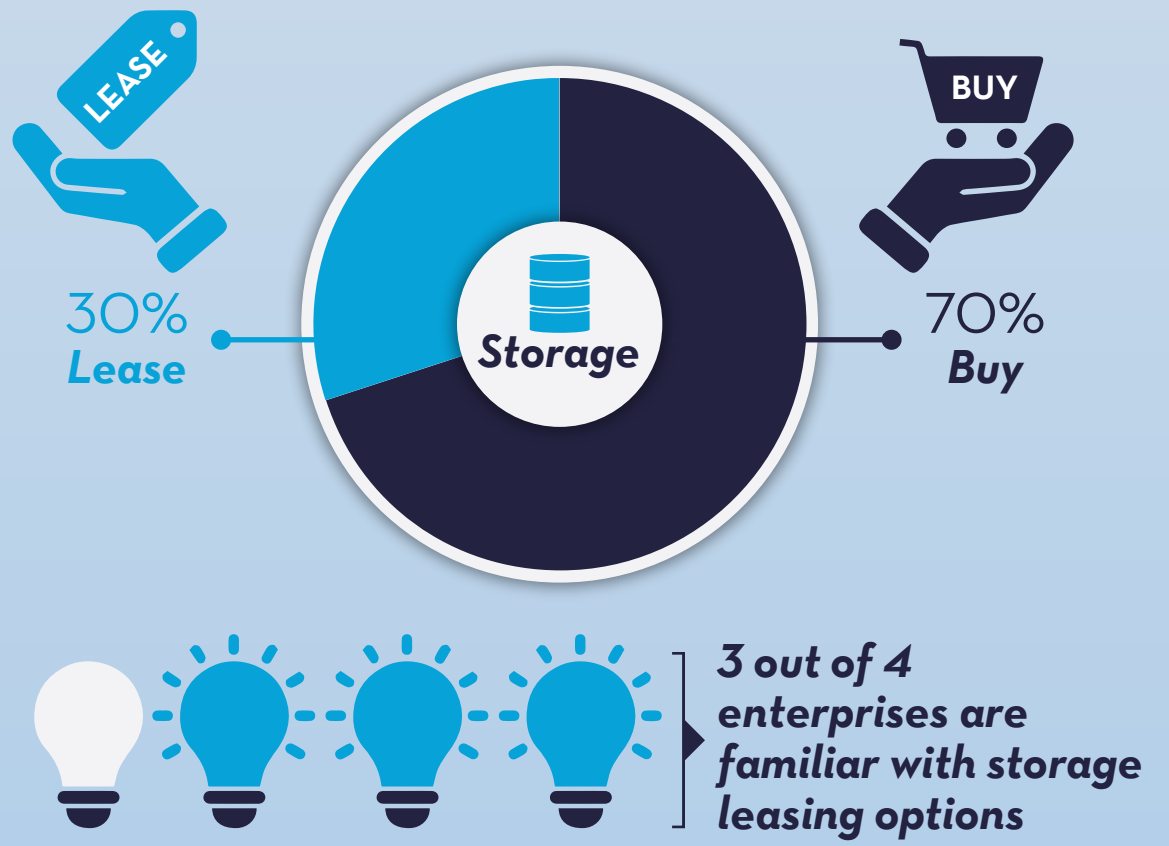
### MORE ENTERPRISES ARE MOVING THEIR DATA STORAGE INTO THE CLOUD.

Enterprises are willing to shake things up when it comes to data storage. In fact, 2 out of 5 enterprises (40%) have tried a new approach to data storage in the last twelve months, with cloud storage (44%) leading the way.



### 70% OF ENTERPRISES STILL GET THEIR STORAGE THE OLD-FASHIONED WAY: THEY BUY IT.

Our survey revealed that 70% of enterprises still buy their own storage, while only 30% lease the majority of their storage. The idea of leasing storage is making inroads, however, as nearly 3 out of 4 enterprises (72%) say they're familiar with storage leasing options.

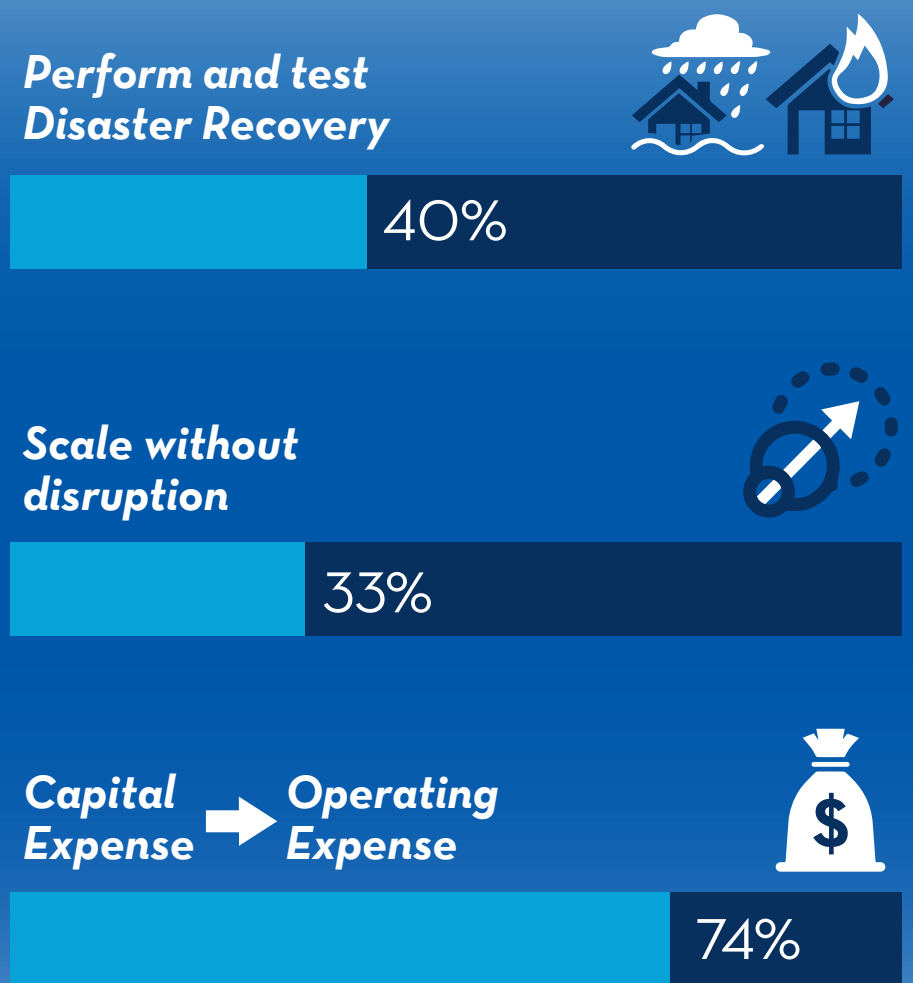


### 2 OUT OF 5 ENTERPRISES SAY FAST DISASTER RECOVERY IS THEIR TOP PRIORITY.

When asked to rank their data storage priorities, 40% of enterprises selected the ability to perform and test disaster recovery in a timely manner as "most important."

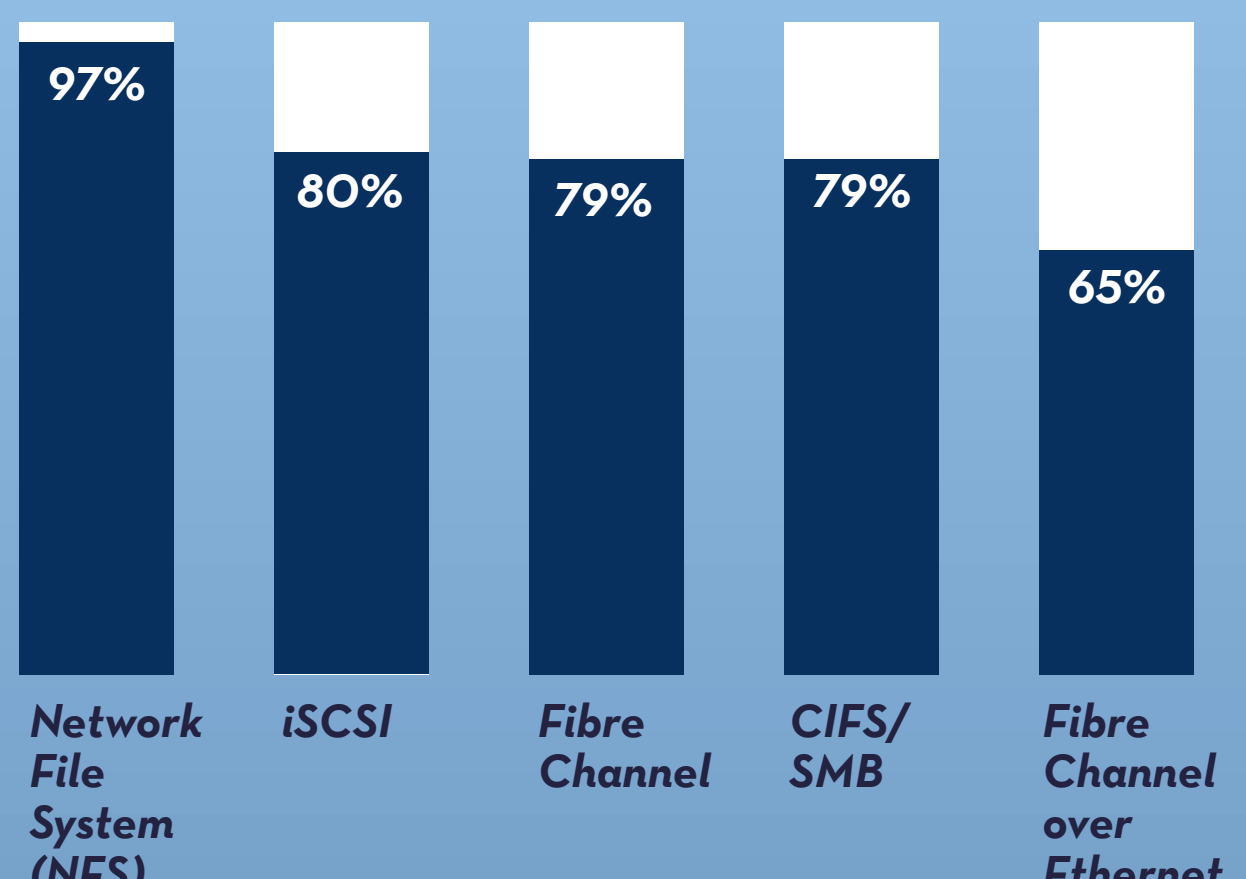
1 in 3 enterprises (33%) chose the ability to scale their IT infrastructure without disruption as most important.

While nearly 3 in 4 enterprises (74%) indicated that converting IT infrastructure costs from capex to opex was lowest in importance.



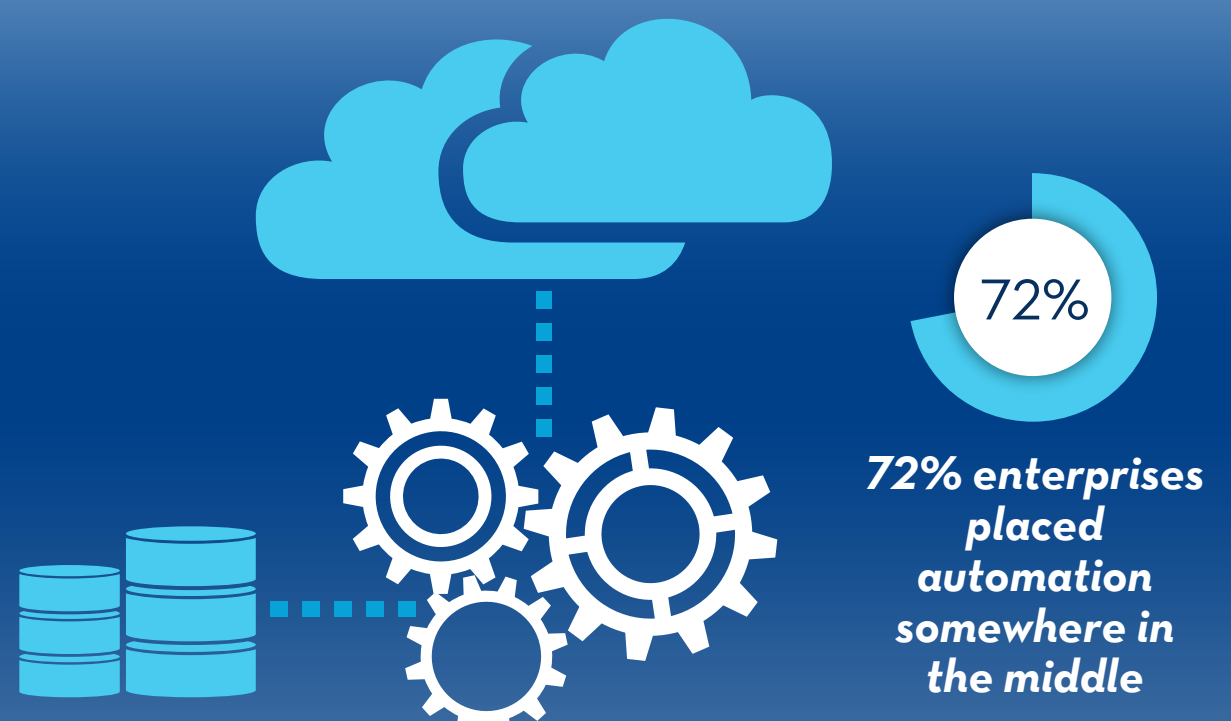
### THE MOST POPULAR PROTOCOL FOR DATA STORAGE IS NFS.

97% percent of enterprises report using Network File System (NFS) either some or all of the time in their data storage architecture, making it the #1 choice among storage protocols. 4 out of 5 enterprises also use Fibre Channel (79%), iSCSI (80%) and CIFS/SMB (79%) in their storage architecture, while only 2 in 3 enterprises (65%) use Fibre Channel over Ethernet.



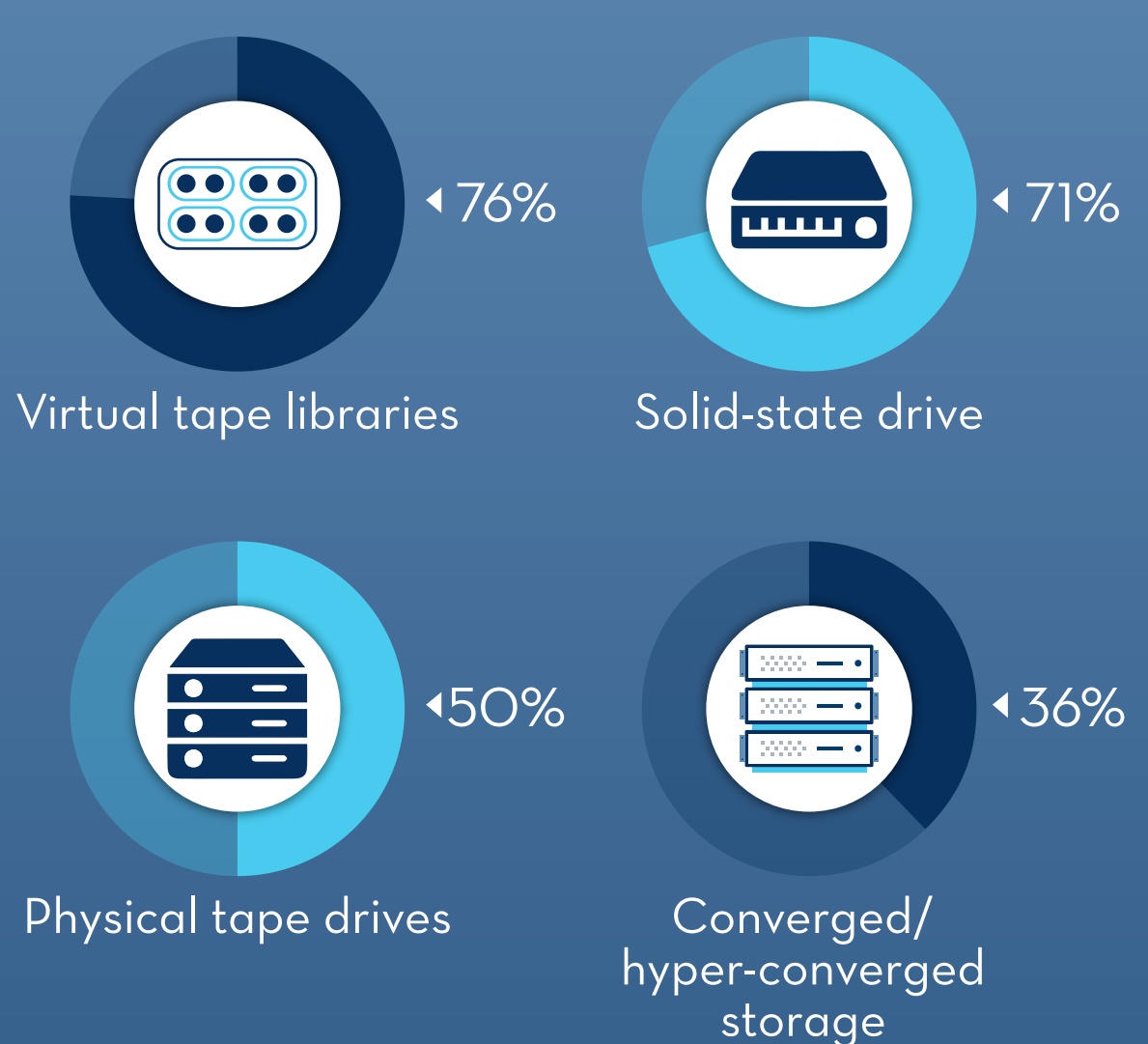
### ENTERPRISES HAVE YET TO GET A HANDLE ON STORAGE AUTOMATION.

In ranking their top storage priorities, most enterprises (72%) placed automation somewhere in the middle. Tellingly, only 1 in 5 enterprises (21%) reported feeling "very familiar" with storage automation, suggesting that more education in the market needs to take place before the benefits of automation are clear.



### 3 OUT OF 4 ENTERPRISES USE VIRTUAL TAPE LIBRARIES OR DISK-BASED BACKUP APPLIANCES.

In a survey of current storage solutions, 76% percent of enterprises indicated that they use virtual tape libraries or disk-based backup appliances in their data center, with slightly fewer enterprises (71%) also utilizing solid-state drive (SSD) or flash storage systems. Less common were physical tape drives (50%) and converged/ hyper-converged storage systems (38%).



### ENTERPRISES STILL DON'T HAVE A CLEAR RESPONSE TO RANSOMWARE.

When asked which methods they used to protect their enterprise against ransomware attacks, enterprises responded in a variety of ways: protected archiving systems (60%), delayed disaster recovery (33%), continuous data recovery (33%), and seeking help from IT security firms (21%). Enterprises to ransomware has room improvement, as only 14% of survey respondents identified themselves as being "very familiar" with protected archiving despite the fact that 60% were currently using it.

