

Make Data Archiving as Easy as 3-2-1



IT organizations are looking for a better way to protect and retain long-term data. Many now recognize that traditional backup and replication does not provide an effective data protection strategy. Storing long-term data on spinning disk and backing it up repeatedly simply adds needless complexity, costs and risk.

Plasmon has eliminated the complexity and risk associated with retaining long term data while enhancing the data protection service levels of online backup, lowering operational costs, and accelerating data recall. Plasmon's archive solutions have been specifically architected to adhere to the accepted industry **3-2-1 Archiving and Data Protection Best Practice***. And you'll find that with Plasmon, creating a secure archive environment that meets all long-term data retention requirements is just as easy as 3-2-1...

Plasmon's 3-2-1 Archiving and Data Protection Best Practice implementation calls for a minimum of 3 copies of archived data, stored on 2 different types of media, 1 of which is removable, permanent and energy efficient. To access the Plasmon archive, users and applications interact with the system as a standard NAS file system. Automated rules ingest data written through the NAS directly into the archive's virtualized environment. Data can be single-instanced, compressed and encrypted in this process to guarantee storage efficiency and data security. The next steps are precisely 3-2-1:

3 The archive must make at least 3 copies of the data. These should include a "rapid access" copy accessible online to meet the retrieval performance required by business critical applications, a "copy of record" archived to guarantee the absolute security and authenticity of the data over its life-span, and a disaster recovery copy that can be pre-staged for remote failover when disaster strikes.

2 The archive must store the data copies on at least 2 different types of media. The most appropriate options are magnetic disk and secure ultra density optical disk (UDO), an ISO standard. This allows you to match the business needs of the 3 copies to the strength of the media while creating a resilient storage infrastructure that protects data from a single mode of failure.

1 At least 1 of the data copies must be stored off-site on removable media. True WORM UDO disk media addresses this requirement, providing absolute data authenticity and unmatched permanence with a media life of greater than 100 years. UDO also consumes zero power when inactive, making it the greenest possible archive solution. UDO is an obvious choice for the copy of record and provides the most cost-effective option for the disaster recovery copy.

The 3-2-1 Archiving and Data Protection Best Practices provide the security, resilience, permanence and cost-effectiveness essential for a professional archive environment, and only Plasmon delivers the full-range of 3-2-1 capabilities you need to deploy a simple and effective archive solution.

* Gartner Group - Carolyn DiCenzo, Digital Archives: Long-Term Planning Assumptions

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