



SOLUTION BRIEF

COMPLETE DATA PROTECTION WITH INVISIBLE BACKUPS

The future is backup-free

Replacing traditional backups with self-protecting hyperconverged infrastructures

Abstract

The amount of data that companies and organisations from all over the world manage regularly has been growing exponentially in recent years. As most of this data is essential for the smooth running of a business, it has to be kept safe and backed-up consistently. However, due to this large amount of data and the complexity that it involves, traditional backup mechanisms are slowly proving inefficient.

As traditional one-on-one backups are becoming obsolete, new solutions are arising. With a self-protecting hyperconverged infrastructure you can turn your backups into a business asset, rather than a mere insurance policy. With its HYPERSeries hyperconverged product range, Syneto has added built-in automatic Disaster Recovery into the mix, providing its users with complete data protection and instant recovery in case of a downtime incident.

Key points

1. What is wrong with traditional backup solutions?
2. The future is backup-free: introducing the self-protecting infrastructure.
3. How the HYPERSeries achieves complete data protection.
4. Instant recovery with the HYPERSeries.

What is wrong with traditional backup solutions?

Traditionally, backing up your data involved creating a duplicate set of data that could be accessed should something happen to the main infrastructure of a business.

As the amount of data generated and used by companies has been growing steadily and as the needs of businesses are becoming more complex, the traditional approach to backup no longer suffices.

Why do businesses need better backup solutions?

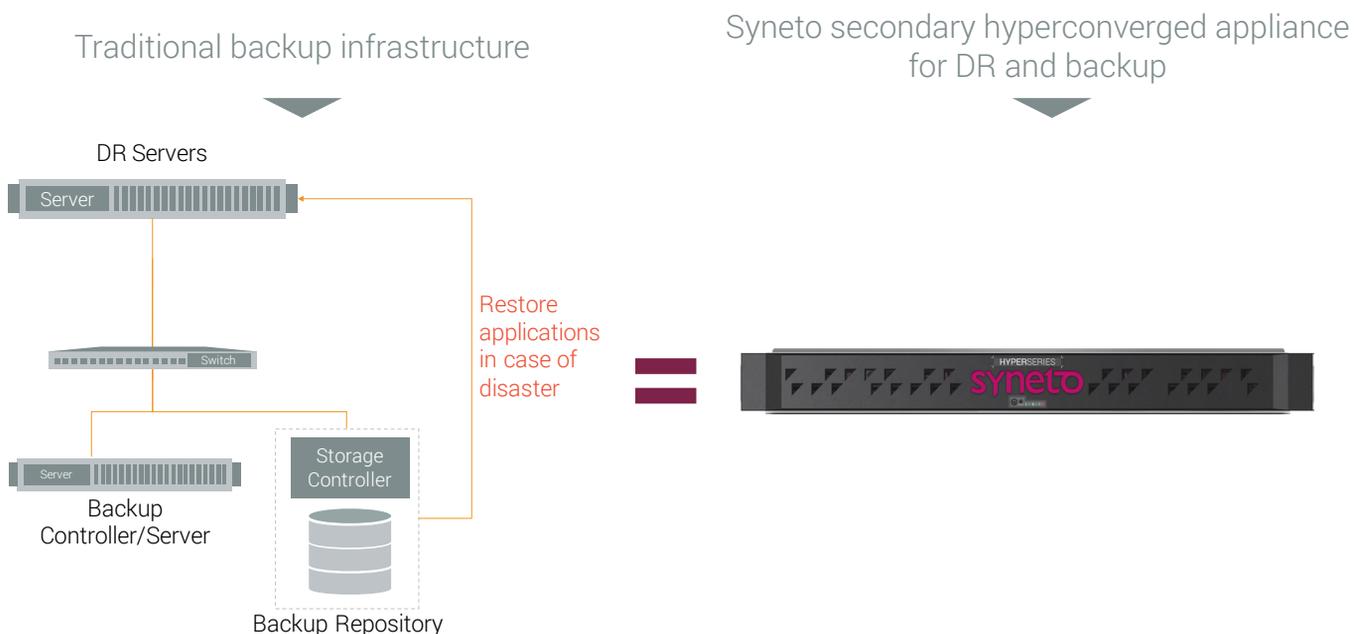
- **Data growth:** the world is seeing a rapid rise in the amount of data generated and managed. The amount of data used by each business is constantly growing and creating one-on-one copies of data has become inefficient;
- **Management complexity:** managing a main IT infrastructure, together with a “backup” infrastructure and backup software is difficult and time-consuming
- **Virtualization:** as more and more businesses take advantage of virtualization, the backup methods they use have to be relevant for managing this type of data
- **Costs:** particularly for SMBs, ROBOs and other small/medium datacenters, purchasing additional backup solutions can be quite costly.

The future is backup-free: introducing the self-protecting infrastructure

“By 2022, 20% of storage systems will be self-protecting, obviating the need for backup applications, up from less than 5% today.” - Gartner

As Gartner predicts, there is has been a shift in the way companies do backup and this trend is on the rise. Because the businesses of today need to achieve a low RTO and RPO, they need an alternative to traditional backup solutions.

With the HYPERSeries, Syneto has unified Disaster Recovery with the rest of its IT infrastructure services. At the same time, costs and management complexity have been reduced, making this solution an efficient one for small/medium datacenters, SMBs and ROBOs.



With Syneto, you get an all-in-one hyperconverged infrastructure with built-in Disaster Recovery. We converge the backup and DR infrastructure into a hyperconverged server which natively possesses the compute and storage power. A Syneto solution is an all-in-one hyperconverged self-protecting infrastructure.

How the HYPERSeries achieves complete data protection

The HYPERSeries built-in backup infrastructure is capable of consistently and efficiently backing up your data without the mechanisms of “traditional” backups. The technology behind Syneto products allows the efficient backup of both files and applications in an efficient way with:

- **Space efficiency:** with only 0,1% storage usage
- **Speed:** it takes as little as one second to take a snapshot
- **Low RPO:** you can choose an RPO as low as 1 minute

The HYPERSeries can achieve complete data protection, as it allows the user to take up to 1440 automatic backups per day for every VM. Backups happen automatically at any time and without disrupting IT operations. Moreover, the process is space-efficient and the backup process is almost instantaneous.

How does it work?



Backups share common data and benefit from in-line data reduction technologies



Backups can be scheduled to run automatically every minute, hour, day etc.



No data is copied or storage is provisioned when taking a local backup.



Data including backups is always consistent, with self-healing capabilities.

Instant recovery with the HYPERSeries

Because time is money and many businesses cannot afford to suffer long periods of downtime, the HYPERSeries has been designed for fast recovery. In case of a downtime incident, the entire primary infrastructure can be restored from Syneto native backups in less than 15 minutes. A file restore is instantaneous, while a VM restore takes less than 1 minute.

How does it work?



2 complete separate copies of whole IT infrastructure by replicating to a DR site/unit.



All native backups are ready to be replayed without any storage provisioning.



Geo-replication capabilities built-in, with granular automatic SLA policies.



No need for additional data integrity checks when restoring after a disaster.

About Syneto

Syneto is innovating the traditional IT infrastructure of small/medium enterprise datacenters, SMBs and ROBOs, by providing cutting-edge hyperconverged infrastructures, specifically designed to meet their needs.

Syneto builds an all-in-one solution, which brings together the agility and economics of the public cloud, with the on-premise security and performance of the private cloud, paving the way for a hybrid IT future.

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