

SOLUTION BRIEF

Instant recovery from Ransomware

Recover all your data and applications in
just a few minutes.

How Syneto keeps your data safe in case of a malware attack.

Abstract

The last few years have seen a rise of ransomware attacks (CryptoLocker, WannaCry, NotPetya etc.) and each of them have had devastating effects for many businesses. These attacks have affected hospitals, universities, public institutions, as well as numerous private companies from all over the world. With warnings from both Europol and the US government that attacks might continue, it is up to every business or organisation to take effective measures to keep their data safe.

The Syneto HYPERSeries is an all-in-one hyperconverged infrastructure with built-in Disaster Recovery capabilities that allows users to restore all data within minutes in case of a malware attack.

Key points

1. What is ransomware?
2. How can you protect your business?
3. The Syneto HYPERSeries self-protecting infrastructure

What is ransomware?

Ransomware is a type of malware that blocks the user's access to all the data until the user pays to "unlock" the system again. Businesses and institutions usually give in to the demands, as the "kidnapped" data is vital for them to keep going. Unfortunately, there is no guarantee that the user will gain access to their data after the payment is made or, in fact, that they will not be attacked again.

Ransomware statistics

The trend of cyber-attacks has been growing steadily long before the infamous May 2017 WannaCry ransomware attack made it to mainstream media.

Europol has published a report on the matter in the latter part of 2016, warning about the dangers of ransomware and trying to educate the public about on the topic. A similar report has been published by the US government the same year.



US victims paid more than \$24 million to ransomware criminals in 2015.*



There have been 62 new ransomware families discovered in 2016 alone.**



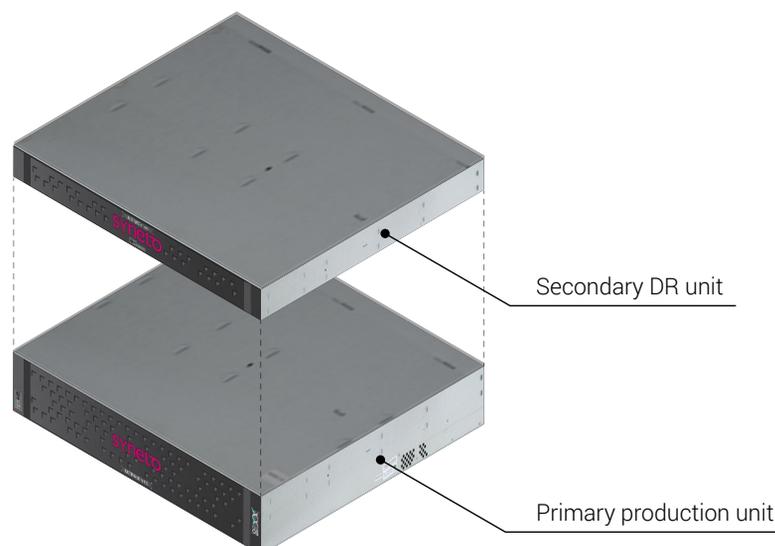
1 in 5 SMBs who pay the ransom never actually get any of their data back.**

How can you protect your business?

According to Gartner, by 2020 60% of digital businesses will be at risk to suffer service failures due to a lack of appropriate risk management programs. This includes cyber-security threats and the companies' inability to ensure complete data protection.

With the rapid pace at which malware is being developed, even the best security solutions might be overwhelmed. This is where the importance of owning a solid Disaster Recovery solution comes in.

This leads us to our solution: **a self-protecting IT infrastructure**, like the **HYPERSeries**.

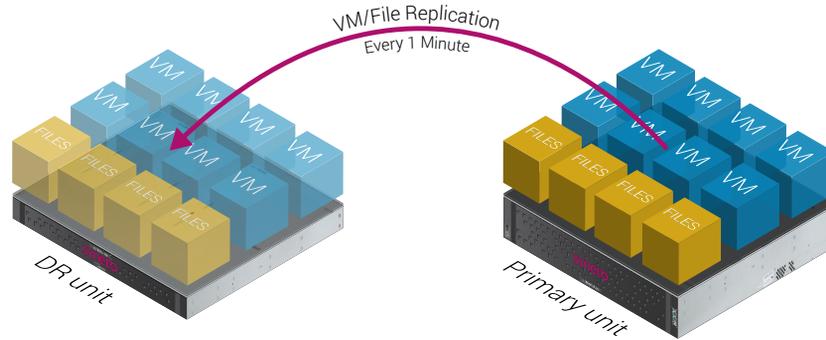


* Business Insider, Apr. 2016:
<http://www.businessinsider.com/doj-and-dhs-ransomware-attacks-government-2016-4>
** Kaspersky Security Bulletin 2016, *Story of the year: The ransomware revolution*:
https://securelist.com/files/2016/12/KSB2016_Story_of_the_Year_ENG.pdf

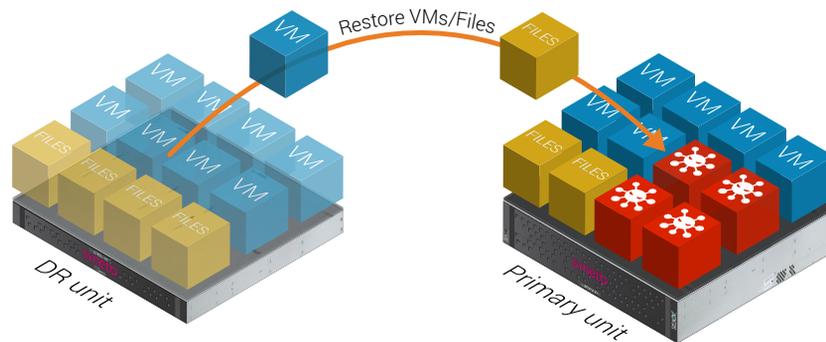
Introducing the HYPERSeries

The HYPERSeries is the first self-protecting, all-in-one hyperconverged infrastructure with built-in Disaster Recovery. It is designed, sized and priced specifically for SMBs, ROBOs and small/ medium datacenters.

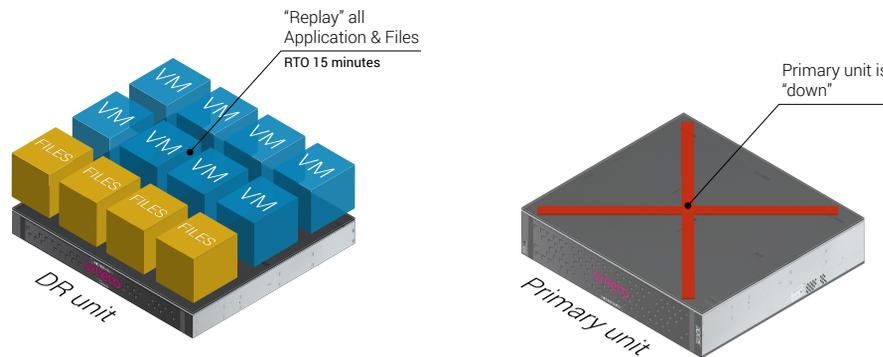
The HYPERSeries creates up to 1440 backups a day for every application, as well as any files on the infrastructure. Backups are then automatically replicated, every minute, to the dedicated DR unit included in the product.



In case of an infection, you can simply restore any file or application from the last backup which occurred no more than **1 minute** before the infection event.



Finally, if all the data on the primary unit of the HYPERSeries is affected, the entire IT infrastructure can be restarted on the DR unit in just **15 minutes**.



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.