

NetApp™ ONTAP Add-on

# Cleondris™ SnapGuard™

- Ransomware Protection
- FPolicy Firewall for ONTAP
- Live-View of all Client Requests
- Optimized Differential Restore



SnapGuard™ gives you peace of mind by protecting your data fabric from malicious software and other cybersecurity attacks. It is designed specifically for **NetApp™ ONTAP** based storage systems (on-prem and in the cloud) and is ideal for corporations already running on or planning to run on NetApp™ ONTAP.

## Features

### → FPOLICY BASED FIREWALL

Ransomware Protection for ONTAP: Cleondris™ was the first technology provider to realise that active ransomware detection and simultaneous automatic defense could be implemented using NetApp™'s built-in FPolicy mechanism. Our firewall is able to run in-band, which means that malicious behavior can be stopped in its tracks. It can handle thousands of requests per second.

### → LIVE-VIEW

You can observe CIFS and NFS client activity in real time with SnapGuard™'s Live View. It is possible to configure fine-grained permissions that allow only administrators or security personnel to see all ongoing operations on a NetApp™ volume. Clients demonstrating suspicious behavior can be put on a block list with a single click. Live View is completely agentless and can be attached to any ONTAP volume in real time.

### WHY YOU SHOULD USE SNAPGUARD™ TO PROTECT NETAPP™ ONTAP

When endpoint security fails, shared data stored on your NetApp ONTAP system is vulnerable to ransomware that could jeopardize your valuable data. SnapGuard not only helps you to protect your assets, but also offers solutions when your system has been attacked.

## → SCALABILITY & SECURITY WITH DMT

Optional data management tools allow you to offload firewall functionality to computers in different security zones. This approach makes SnapGuard™ ideal for service providers, as it only communicates inside the secure management network over the NetApp™ Management, NDMP and SnapDiff APIs with the nodes and the cluster admin vserver of ONTAP. Access to the ONTAP data interfaces in the customer zone is only needed for FPolicy communication, and the tools allow you to properly separate this from the management network.

## → DIFFERENTIAL RESTORE

SnapGuard™'s unique differential restore functionality allows you to repair defective data, while leaving your uncompromised data intact. Correct modifications are retained, leaving you to focus only on the corrupted portion. No matter what protective measures you take, it is still possible for data from clients to be corrupted by malicious software using previously-unknown approaches. Restoring a whole volume to an earlier snapshot with NetApp™'s SnapRestore is often not the best option, as it reverts both wanted and unwanted changes simultaneously.

## → VOLUME ANALYZER

SnapGuard™'s integrated Volume Analyzer lets you efficiently generate a metadata breakdown, including an overview of all used file extensions and their location/distribution in the file system. This is useful when you suspect that a NetApp™ flexible volume has been damaged by ransomware. The analysis does not need CIFS connectivity, thanks to ONTAP's SnapDiff and NDMP functionality. Based on the results, you can then initiate a differential restore.

## → NEXT-GEN RANSOMWARE PROTECTION

SnapGuard™'s ransomware protection is extremely reliable and has little impact on client latency, as generic file-damage detection is based on an online background mechanism. With SnapGuard™ Machine Learning and complicated hard to understand operations are not needed as the only thing that matters is understanding if clients are corrupting data or not. Our next-gen approach is based on recognized best practices and does not rely on the evaluation of any kind of obscure or incomprehensible client access patterns.



### SYSTEM REQUIREMENTS/COMPATIBILITY

VMware vSphere 6.x/ 7.x  
Clustered Data ONTAP 9.x.



### DEPLOYMENT

Cleondris™ comes as a self contained virtual appliance (OVA) that can be deployed to vSphere in seconds.



### LICENSING

Cleondris SnapGuard™ is licensed per storage node. Specific licensing and pricing information is available upon request.



### FREE TRIAL

Trial licenses can be downloaded from the Cleondris™ support portal for free.



### WHERE TO BUY

Please visit our website to see all purchase options and to learn more about our products.

[www.cleondris.com](http://www.cleondris.com)

## CLEONDRIS

Cleondris™ is a Swiss provider of NetApp add-on software since 2010. Our software is used in the world's largest NetApp installations. We offer backup & restore, indexing, CIFS firewall & ransomware protection for any kind of NetApp setups.

Cleondris GmbH  
Buckhauserstrasse 17  
CH-8048 Zürich

+41 44 515 54 40  
[sales@cleondris.com](mailto:sales@cleondris.com)

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