



# Catalogic Software Solutions for NetApp Storage

**Cost-Effective Netapp Solutions That Solve Real-World Problems**

*Catalogic has been supporting NetApp environments for over 20 years with data protection and data management solutions. Here is a quick look at our portfolio and how it relates to NetApp storage.*



## Ransomware Protection

**CryptoSpike** provides ransomware detection and prevention for NetApp file environments. It protects file shares from infection and lets IT quickly roll-back infected files using NetApp snapshots. This easy to deploy solution is licensed per NetApp controller with no limits on file counts or storage capacity.



## File Access Tracking

Organizations often need to know who accessed files and what actions were taken on those files. For example, who deleted the vital financial document? Or who read the HR document they weren't supposed to read? With **CryptoSpike**, IT gets complete user file access tracking for their NetApp file environment. User actions can be pinpointed and validated.



## NetApp File Catalog: Search and Restore

**RestoreManager** from ProLion creates a central file index of every NetApp snapshot, giving you a single catalog-based view into your files. You can search through snapshots using multiple criteria and restore files and folders right from within RestoreManager. What's more, RestoreManager indexes both primary and secondary storage. That's important because often primary snapshots are only maintained for a few days. By also indexing SnapMirror and SnapVault destination volumes, you can find older versions of files that have been moved off the primary resources.



## NetApp Snapshot & Replication Management with Indexing

**ECX** provides NetApp snapshot, SnapVault, SnapMirror and FlexClone automation, along with integration with VMware, Oracle and SQL Server. With ECX, copies can be made on schedule or at the push of a button. ECX manages copy schedules, location, and retention. All copies are indexed and cataloged so they can be tracked and reported on. ECX is licensed per NetApp controller and has no limits on storage size, number of databases or VMs, etc. ECX also supports Pure Storage and IBM storage.

## Test-Dev or DevOps Automation, User Self-Service



Software-development Test-Dev and DevOps are increasingly vital to organizations across all industries. **ECX** provides infrastructure automation for NetApp by automating the steps needed when creating and delivering copies to software development teams. Whether delivering a full set of virtual machines using the latest data, or custom configured database clones that are immediately ready to be used, ECX can dramatically reduce the time and effort required to support Test-Dev. And because everything can be driven by APIs, the same functionality can be delivered via code as part of a DevOps workflow. ECX further allows for complete user self-service, meaning development teams can get their data copies whenever they need them, without needing to go through the IT department.

## Netapp File Analytics: Understanding Your File Environment



**RestoreManager** analyzes your NetApp filer data and returns reports that provide the insight and understanding you need to start cleaning house and ensuring you're complying with corporate policy. The RestoreManager Kibana reports tool can show you the number of files and corresponding space consumed by them, age of files, file owners, etc. It helps you with charge-back and provides data trending to help anticipate storage expansion needs. The Kibana tool also provides a flexible report creation environment letting you customize report data exactly as you need it.

## Multi-purpose Data Protection



**Catalogic DPX** provides data backup and recovery across a wide range of systems and platforms. Backups are quick and efficient, restores rapid and reliable. DPX also supports key backup technologies such as tape, NDMP, cloud and bare metal restore. DPX has unique integration with NetApp FAS devices that leverages ONTAP features such as FlexClone to spin up instant-restore copies of data or VMs.

## NDMP Backups



**Catalogic DPX** helped pioneer NDMP backups and remains a leader in supporting NDMP for NetApp NAS systems. DPX allows you to leverage NDMP to back up to disk, tape or cloud, either directly or with tiering across levels. With Catalogic DPX, you can have an easy to use and extremely cost-effective standalone NDMP solution, or you can deploy DPX as a complete backup solution, with NDMP as a component.

## NetApp OSSV Replacement for ONTAP 8 & 9



NetApp users have long relied on NetApp Open Systems SnapVault (OSSV) agents to protect data not resident on NetApp storage or in remote sites. However, OSSV does not support disk targets running Data ONTAP 8 and 9, and the software is no longer being updated. As a replacement for OSSV functionality, **Catalogic DPX** provides OSSV-like features in an ONTAP 8 or 9 environment and can back up non-NetApp data directly to NetApp devices. Catalogic offers the easiest to use implementation, which also adds significant additional capabilities for data backup and restore not found in OSSV.

## AltaVault Appliance Replacement



The NetApp AltaVault appliance (a.k.a. NetApp Cloud Backup) is a discontinued hardware platform that provides a local storage cache for backups, with tiering to the cloud. While Catalogic cannot provide a direct device-for-device replacement of AltaVault, with our **DPX** backup software and **vStor** software-defined appliance, we can achieve the same goals of having a local disk cache for backup and recovery, with a scheduled tiering of data to the cloud.

## Software-Defined Backup Appliance



The **Catalogic vStor** software-defined backup appliance is the perfect companion to Catalogic backup solutions. Backup nodes are deployed either on a bare metal server or as virtual appliances, allowing users to create a cost-effective yet robust second-tier storage solution that meets their specific price and performance requirements. NetApp E-Series storage is the perfect complement to vStor. vStor offers data reduction to maximize storage efficiency, as well as replication to another backup node for redundancy and disaster recovery. Backup data can be archived off to tape for long-term retention.