
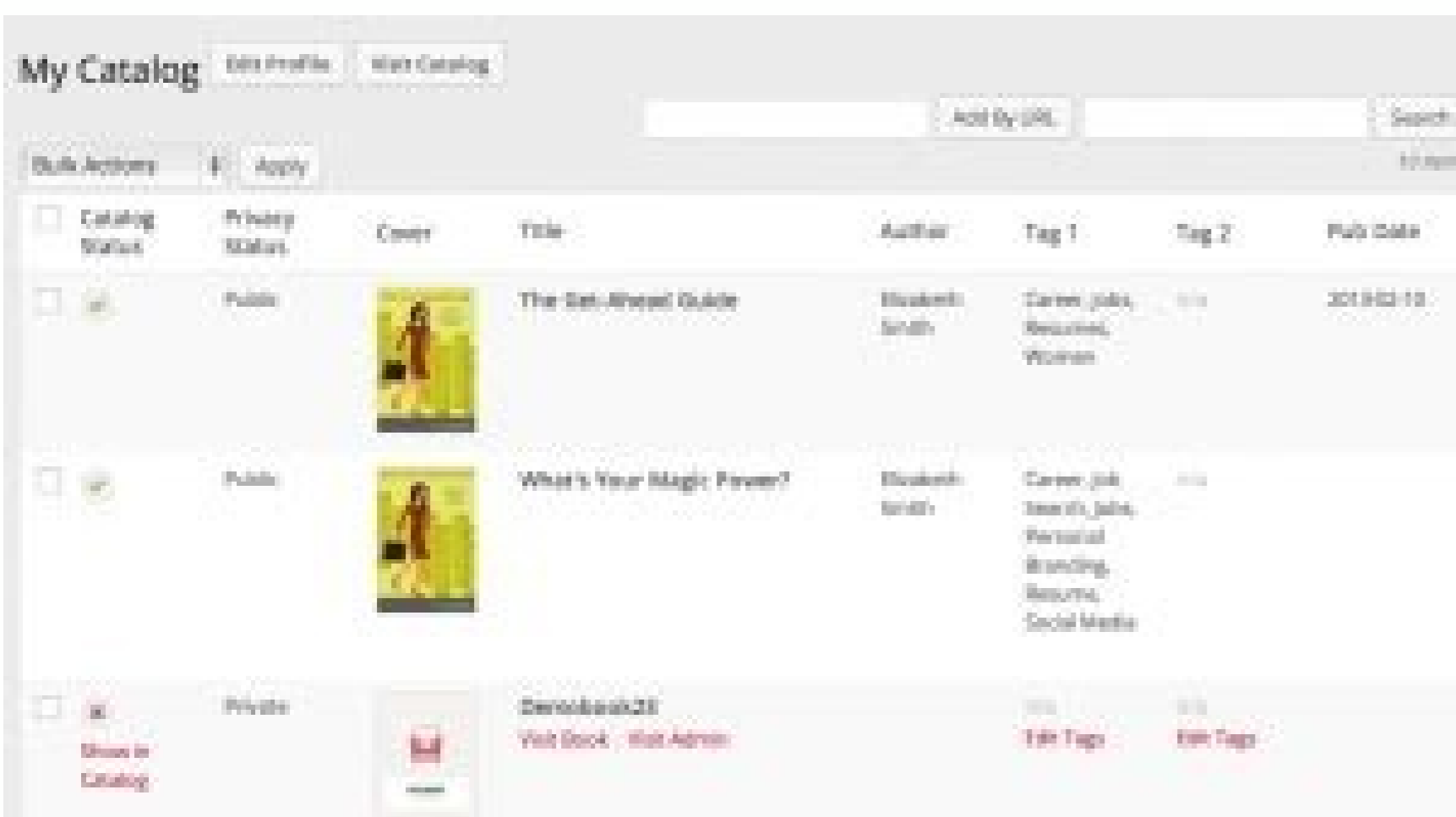


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More than just NetApp – VMware too!

While ECX delivers tremendous insight and value to NetApp users, it doesn't stop there.

VMware objects (virtual machines, datastores, storage LUNs, etc.) are also cataloged, consolidating information to a single point of view across your VMware infrastructure.

ECX provides reports designed to increase the operational efficiency of your VMware deployment. VMs that have not been turned on or have been suspended for a specified time period are identified, allowing you to easily tackle the challenging problem of VMware sprawl. VMware LUNs that were created but then abandoned are identified (so called "orphan LUNs"), letting you reclaim storage space or re-allocate it.

Summary

With Catalogic ECX software users gain the visibility they need into their NetApp and VMware environments across all tiers, which offers them the ability to achieve a new level of operational efficiency to control costs. All in a product that is easy to deploy, easy to learn, and ready to scale to even very large data environments.

By deploying ECX software, you can

- Catalog aggregates, qtree's, snapshots, SnapVault and SnapMirror volumes and the files contained in them.
- Find files quickly and reliably across both primary disk and all tiers of snapshot copies and perform operations on them.
- Dramatically increase insight into your storage and VM infrastructure to drive new levels of efficiency.

- Assure your data is properly protected at all times.
- Keep your current data protection technology in use. No need to rip and replace anything.
- Enhance snapshot technology for high performance and efficient data protection.

Try ECX Yourself!

If you'd like to try out ECX in your own IT department or have us deliver a personalized demo, please contact Catalogic for information.

System Requirements

Catalogic ECX software catalogs file data on NetApp FAS devices (CIFS and NFS data), FAS objects (snapshots, volumes, LUNs, etc.) and VMware objects (VMs, datastores, etc.). Catalogic ECX software is delivered as a standard Virtual Appliance (OVA format). System Requirements follow.

VMware Requirements	<ul style="list-style-type: none"> • VMware ESX 4.1 or later • VMware vSphere 4 or 5
NetApp Requirements	<p>The following versions of Data ONTAP are supported:</p> <ul style="list-style-type: none"> • ONTAP 7.3.3+ • ONTAP 8.0.1+ • ONTAP 8.1+ • Clustered ONTAP 8.2.x
Browser Support	<p>For access to the user interface, Catalogic ECX software uses standard web browsers with no plug-ins required. Javascript must be enabled. The following browsers have been tested.</p> <ul style="list-style-type: none"> • Internet Explorer 9+ • Google Chrome 19+ • Firefox 10+

Alliance Partner

Catalogic Software combines cataloging, backup, disaster recovery and copy data management for the most complete approach to optimizing data protection.

NetApp creates innovative storage and data management solutions that accelerate business breakthroughs and deliver outstanding cost efficiency. Discover NetApp's passion for helping companies around the world go further, faster at www.netapp.com.

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CHAPTER 2
Hardware and Software Requirements

DYNOWARE EX - HARDWARE STACK

The standard hardware electronics package (hardware stack) is composed of four interconnected modules: Supervisor, Storage Module, RPM Module, Data Processor Input Output Module, and the CPU Module.

Figure 2-1. Dynoware EX Hardware Stack

ATMOSPHERIC SENSING MODELS

The atmosphere sensing models measure absolute pressure, air temperature, and relative humidity. These measurements are used by NetAPP to control power and other resources to maintain atmosphere conditions within a 10%, 100, or 1000 ppm range.

ASD Indicator	Description
	The green LED glows when the atmosphere sensing module is operating properly.
	The Reddish yellow LED indicates the module present is operating properly.

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When prompted to select storage, select from the already configured data stores on the target host. Select the networks to use the deployed template. Specify the location of the ECX OVA template file and select it. Check the e-mail from Catalogic Data Protection Technical Support, which includes a Necessary to execute ECX. Click Manage licenses. Leave the fields blank when you are asked to specify the network properties. Click Next. Select a destination network that allows you to define the appropriate IP addresses for the implementation of the virtual machine. Loading the product key A valid product key is required to access ECX and all its functions. From a compatible browser, enter the following URL address to access the administrative console of the virtual machine at which ECX is implemented: https://:8090/ where is the IP address of the MA Virtual Quina where the application is implemented. Next Steps: Set your local time zone. Write down the IP address of the recycled virtual machine. Make sure the generated checking sum coincides with the one provided in the MD5 Checksum file, which is part of the software download. Start ECX and start using it from any compatible web browser. To run ECX, access the created virtual machine. Enter the network properties of the default gateway. DNS, IP address and network máscara from the virtual machine. Catalogic ECXÄ e Ä 2.11 Ä. Inc. 2021 Catalogic Software, Inc. before deployment, run MD5 CheckSum in the downloaded OVA file. Leave the blank fields to recover the configuration of a DHCP server. See System requirements at the ECX user guide in MySupport. Identify the data center, the server and the resource fund for the implementation. The correct configuration of the IP address group includes the set configuration of IP addresses (if used), the network máscara, the gateway, the DNS search string and a DNS server IP address. The default password is ECXADLG235. If you use vSphere Web Client, click Create / Register And then, select Implement a virtual machine from an OFV or OVA file. In the Sesión Start window, select System in the Authentication Type drop-down menu. Note: You must miss several minutes for ECX to start fully. Write down the location on the team. To use DHCP instead of a Static IP address, the network must have access to A Successfully configured the DHCP server. This creates a virtual appliance containing the application ³ a VMware host, such as an ESX or ESXi server. From the File menu, choose Deploy OVF Template. Select a disk format to store the virtual disks. Provide a meaningful name for the template, which becomes the name of your virtual machine. Review the template details and accept the End User License Agreement. Click Choose File, then search ECX.LIC on your computer, then click Load New License. | 01/19/2021 MySupport | Ä Knowledge base | Trademarks | info@catalogicsoftware.com See the time zone set. Find the IP address ³ VSphere Client by clicking on your created receive virtual machine and search the Summary page. Note: the virtual machine must remain on for the ECX application ³ be accessible. You may need to configure an IP address pool associated with the VM network where you plan to deploy ECX. Review your template selections. Enter your password to access the administrative console. Console.

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