Catalogic DPX: Secure Data Protection

Empowering Businesses for 30 years with Reliable, Low Cost, Backup and Recovery, now with GuardMode for Proactive Ransomware Protection

Catalogic DPX® Highlights

- Fast and reliable low-impact backup for physical and virtual environments

- Comprehensive workload coverage with instant restore and granular file recovery

- Software-defined, scalable backup repository with an open storage model via DPX vStor

- Data replication supports remote sites and Disaster Recovery use cases

- Reuse data to support DevOps use cases such as dev-test, reporting , and compliance

- Supports disk, tape, and cloud as backup and archive destinations for the 3-2-1 backup rule

- Proactive early detection of ransomware with alerts to backup teams and syslog via GuardMode

- Built-in cyber resilience via encryption detection, frequent backups, immutable copies, and rapid restore

- Protects Microsoft 365 and all open virtualization platforms via DPX vPlus

- Easy object-level recovery for Microsoft Exchange, SharePoint, SQL Server

- Bare Metal Recovery to restore physical servers, as well as P2V, V2V and V2P recovery

- Full support for Micro Focus OES 2023 and NDMP backups for NetApp, EMC Isilon, etc.

What Do You Value in a Backup Solution?

How about these:

- Reliable and secure backup that just works

- Built-in, proactive ransomware protection

- Rapid and granular data recovery when you need it

- Low cost, easy to understand licensing and storage

- A first-class support team

If you don't have these, the rest doesn't really matter. That's why we've spent over 20 years focused on these core values.

DPX combines an easy-to-use, intuitive management interface with robust and secure backup and recovery capabilities. Our patented block-level protection reduces backup time by 90%, while delivering unprecedented reliability and backup success rates.

DPX GuardMode provides early detection of ransomware for Windows, Linux, and Samba shares and identifies and enables recovery of only the affected data.

DPX vStor is a backup repository for building your backup targets on any block storage platform to meet your unique performance and capacity requirements.

DPX has very flexible license models, providing capacity or socket based licensing that includes full functionality, including DPX vStor, reporting and all agents, in a single license.

Whether you want to completely rearchitect your backup environment, or just need a better solution for a particular problem - Microsoft 365, Hyper-V, VMware, Micro Focus OES 2023, physical servers, tape support - DPX is just what you need!

DPX Use Cases

Backups are a necessary insurance policy, used to restore a database table or a single file after accidental deletion, or to recover your servers and data after a ransomware attack. In the worst case, you might need to recover an entire facility lost to a natural disaster. In all these cases, reliability and broad application and systems coverage is paramount.
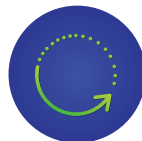
But backup can also be more than an insurance policy. With instantly accessible backup images, you can leverage backup data sets for many other tasks, such as dev-test, DevOps, reporting and compliance.

And proactive monitoring for ransomware gives even more assurance of your ability to recover your data.

Secure Data Protection

Getting backups done on time and reliably are leading data protection challenges. With Catalogic's patented block-level backup technology, you'll reduce backup times by 90% and almost never have to troubleshoot a backup failure. You can have peace of mind that your data is reliably protected and will be there when you need it. And the vStor backup repository allows you to build backup targets to your own specifications, to meet your performance and capacity requirements.

Proactive Ransomware Detection with DPX GuardMode

Ransomware is growing at a record pace. Unfortunately, malware can slip past anti-virus systems and lock or remove your data before it is detected. That's why we added DPX GuardMode, to provide early detection and notification of potential malware before you do a backup. That way, when ransomware strikes, your last line of defense is to have a secure and ransomware free backup. DPX provides a list of affected files to restore and multiple recovery points so you can spin the clock back to just before the infection happened.

Cloud Integration

Organizations are increasingly moving to the public clouds for long term backup storage. DPX makes it easy for you to send backup images to cloud storage providers and to find them easily when you need them. Backups can be sent directly or archived from DPX Stor to many clouds, including Alibaba, Amazon S3 and Glacier Deep Archive, Backblaze B2, Microsoft Azure, MinIO, and Wasabi. Bandwidth throttling for performance and S3 Object Lock are supported for retention and compliance.
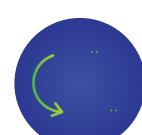
Bare Metal Recovery

While most servers are virtualized, nearly all organizations still have physical servers running critical workloads. With this in mind, rapid and easy-to-use Bare Metal Recovery (BR) remains a critical data protection component. The problem is that many BMR tools are cumbersome to use and require multiple, error-prone steps. DPX's simple, three-step BMR process will change the way you think about BMR.

Rapid, Granular Restore and Disaster Recovery

Nobody likes waiting for a recovery when business operations are down. With DPX, you can restore systems in the time it takes to boot them using our patented Instant Virtualization technology Snapshots can be mapped to stand in for lost volumes with only two mouse clicks. For targeted recoveries, you can rapidly recover files, Exchange and SharePoint items, SQL database tables and more, without needing to restore an entire database or volume. Catalogic recovery works locally or remotely to support Disaster Recovery scenarios. Data replication allows you to efficiently move data off-site.

Microsoft 365 Data Protection

It's a common misconception that SaaS platforms like Microsoft 365 have built in data protection. Your data is always your responsibility, and that's where the big disconnect arises. Expanded usage of Microsoft 365 makes that platform so much more important to your business. DPX vPlus for Microsoft 365 is a powerful data protection solution for Microsoft 365 and its components - Exchange Online, SharePoint Online, OneDrive for Business, and Microsoft Teams.

Tape Support and Tape Replacement

Tape is the IT technology that is always going away but never gone. Organizations still rely heavily on tape, which is why DPX includes full-fledged support for multiple tape drives and new formats like LTO-9, with enterprise-class tape management. But if you're ready to leave tape behind, DPX also offers true disk-to-disk and disk-to-cloud protection, that can have you saying goodbye to tape for good. In fact, DPX is the perfect transition tool.

Remote Office Backup

Protecting remote offices has always been a challenge. Legacy backup tools are often too complex. Simplicity matters when on location IT staff may be limited. Bandwidth concerns are also significant. DPX shines in both regards. The DPX vStor data repository can be as simple as a single virtual machine, making it the perfect solution for smaller offices. The local vStor provides rapid on-site recovery, while data replication sends copies back to the data center for true DR and data centralization.

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Additional Capabilities

DPX vStor Backup Repository

The DPX vStor backup repository is a flexible and scalable backup target that frees you from expensive backup appliances and vendor lock-in. Built on open source components, vStor can use any block storage without restrictions. It supports both deduplication and compression for efficiency and provides point-to-point replication for DR or remote office support. With vStor, you can build different backup targets to meet your performance needs. For example, a single VM to support a small office, or a high-performance vStor built on all-flash storage for your most critical workloads. There are no additional licensing costs for vStor repositories.

Multi-purpose Backup Images

DPX stores backups as usable snapshots. Data can be accessed for recovery purposes, but it can also serve to provide needed data for other use cases, such as reporting, dev-test, analytics and so on. Snapshot backup images can be mapped to compute nodes with only a few mouse clicks, giving you fast and easy data delivery.

NDMP Backups and NetApp OSSV

DPX is a fully certified solution for NDMP backups allowing you to protect NAS devices using the most commonly deployed protection protocol. For NetApp OSSV users, DPX offers a seamless, low-risk replacement for OSSV.

Simple Object Recovery

DPX provides rapid, easy recovery of application data objects. This includes Microsoft Exchange (emails, contacts, tasks, etc.), Microsoft SharePoint (documents, lists, sites, etc.) and Microsoft SQL (individual table items). Easy drag-and-drop recovery uses mapped backup images that take only moments to access, dramatically reducing recovery time.

System Requirements and Compatibility

DPX offers broad platform compatibility with your network's hardware, applications, and databases.
For specific compatibility information, see the Catalogic DPX Compatibility Guide: View the Compatibility Guide

Conclusion

Every organization needs a data protection solution in place to ensure that in the event of security breaches, ransomware, corruption, human error, hardware faults or environmental disasters, their data can be recovered to ensure business continuity. Catalogic has a strong heritage in the data protection industry, delivering data protection solutions for over 25 years including supporting a vast array of operating systems, applications and media types, offering best in class backwards compatibility and media integration.

As a software only company, Catalogic DPX has simple and flexible pricing that is all-inclusive with no additional licensing costs for additional modules, backup repositories (DPX vStor), ransomware detection and recovery (DPX GuardMode), and offloading or archiving to clouds. Contact us today to discover why DPX is the smart solution for data protection, offering reliable, rapid and low-cost backup and recovery.

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