

Continuous Data Protector (CDP) Virtual Appliance

Unified backup and disaster recovery (DR)

The FalconStor® Continuous Data Protector (CDP) Virtual Appliance solution offers instant recovery and remote DR for physical or virtual servers in a VMware Ready pre-configured virtual appliance. This solution provides advanced disk-based data protection to enable continuous availability for physical and virtual machines and systems in VMware environments.

Highlights

- > Integrates with VMware vSphere, supports VMware ESX and ESXi
- > Recovery of files and database objects in as little as 1 minute
- > Physical-to-virtual (P2V) recovery in as little as 10 minutes
- > Automated DR for physical and virtual environments
- > Thin Provisioning of protection volumes
- > Single server or group protection policies
- > Complete protection for files, applications, databases, operating systems, and physical or virtual servers
- > Continuous availability through instant recovery from any type of data loss, from a single block to an entire data center
- > Continuous or periodic protection for any-point-in-time recovery
- > WAN-optimized replication with compression and encryption for fast, efficient remote DR
- > Eliminates backup overhead from production hosts
- > Application-aware snapshot agents, including Microsoft Windows certified agents, ensure 100% transactional integrity

VMware virtualization technology such as VMware vSphere enables businesses to consolidate numerous servers, increase utilization, and streamline management. However, virtual machines require the same protection levels as physical ones do in order to minimize data loss and service downtime in the event of hardware or software failure. The FalconStor CDP Virtual Appliance is a pre-built, pre-configured, and ready-to-run solution, with its own operating system, that enables organizations to protect and recover data on VMware virtual machines.

Comprehensive functionality

The FalconStor CDP Virtual Appliance is a disk-based data protection solution that provides unified backup and continuous availability in any IT environment — physical or virtual, system or data, local or remote. The FalconStor CDP Virtual Appliance provides flexible continuous and periodic protection, incorporating features such as mirroring, application-specific snapshot agents, and WAN-optimized replication.

DiskSafe™ technology from FalconStor runs on the application server to capture block-level changes made to a system or data disk, without impacting application performance. It mirrors data to the FalconStor CDP Virtual Appliance in real time and takes point-in-time snapshot images. These images enable users to roll back to a desired point in time and rapidly recover data to avoid downtime due to hardware crashes, virus attacks, database corruption, application crashes, or human error.

Continuous data protection with instant recovery

The FalconStor CDP Virtual Appliance provides rapid recovery from system and data center failures. Continuous real-time data journaling and periodic snapshots enable recovery of emails, files, and database objects in less than five minutes. In addition, organizations can recover local servers in as little as ten minutes, and perform remote DR in as little as 30 minutes.

Unified backup and recovery

FalconStor CDP technology greatly reduces or eliminates tape-based backup operations and costs. The in-network nature of the solution's recovery volumes, up to 64 snapshots, provides flexible and comprehensive recovery points. Tape backup jobs can be executed from these snapshot images, completely eliminating the traditional backup window and associated performance bottlenecks.

Automated DR

The RecoverTrac™ tool from FalconStor represents a significant advancement in data protection, providing automated DR of critical business application servers and associated data volumes. This flexible and comprehensive recovery tool supports physical and virtual servers, including mixed environments. Single or multiple recovery locations are supported, as well as local and remote recovery. Supported recovery types include physical-to-physical (P2P) for identical servers), physical-to-virtual (P2V), and virtual-to-virtual (V2V).



WAN-optimized replication

Monthly bandwidth costs associated with remote replication represent a significant portion of total DR costs. The FalconStor CDP Virtual Appliance leverages patented MicroScan™ technology, which eliminates duplicate data and ensures data integrity, greatly reducing WAN bandwidth requirements by as much as 95%.

Application-aware, space-efficient snapshot agents

The FalconStor CDP Virtual Appliance includes application-aware snapshot agents for Oracle, Microsoft Exchange, Lotus Notes/Domino, Microsoft SQL, IBM DB2, Sybase, and many other major applications. TimeMark® snapshots provide 100% transactionally consistent images that can be mounted for instant recovery of individual files, or as entire volumes for bare metal recovery.

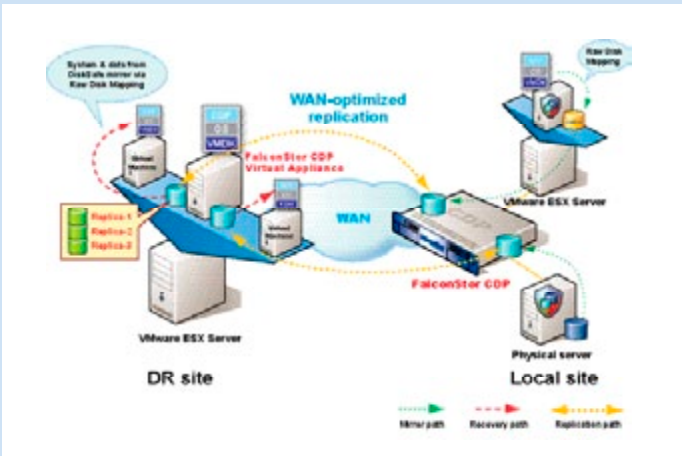
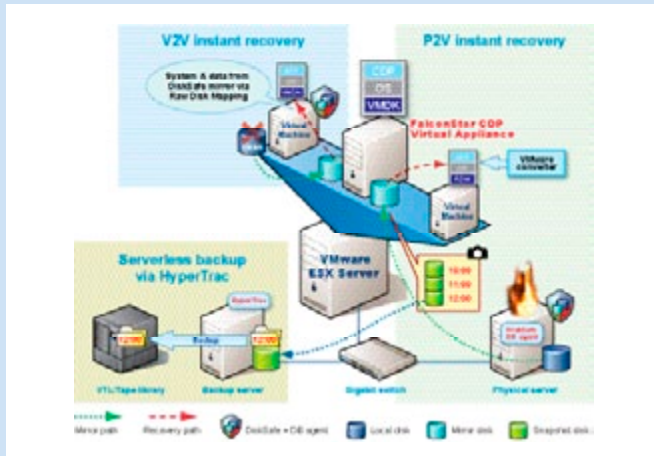
System Requirements

- > VMware ESX Server 3.5 or above
- > VMware ESXi 3.5 or above
- > VMware certified 64-bit server for VMware ESX
- > 2GB RAM and 5GB system disk space

Specifications

- > Supports up to 8 virtual or physical Microsoft Windows clients
- > Maximum 128 host LUNs protected
- > Up to 64 TimeMark® delta snapshots per backup image
- > Supports up to 8TB usable backup storage
- > IP/iSCSI connectivity
- > HyperTrac™ Backup Accelerator option for serverless backup
- > WAN-optimized replication over IP with MicroScan technology from FalconStor

Local and remote data protection using the FalconStor CDP Virtual Appliance solution



About FalconStor

FalconStor Software, Inc. (NASDAQ: FALC) delivers the most comprehensive suite of products for data protection and storage virtualization. Based on the award-winning IPStor® platform, products include the industry-leading Virtual Tape Library (VTL) with deduplication, Continuous Data Protector (CDP), File-interface Deduplication System (FDS), and Network Storage Server (NSS), each enabled with WAN-optimized replication for disaster recovery and remote office protection, and the HyperFS® file system. Our solutions are available from major OEMs and solution providers and are deployed by thousands of customers worldwide, from small businesses to Fortune 1000 enterprises.

For more information, visit www.falconstor.com/CDP or contact your local FalconStor representative.

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Defining Data Protection, Again.™