



SonicWALL Continuous Data Protection (CDP) Series

BACKUP AND RECOVERY

Automatic Backup and User-directed Restore and Flexible Disaster Recovery

- **Automatic, transparent backup**
- **User-directed restore**
- **Low-touch administration**
- **Flexible disaster recovery**
- **Enforced policy-based backup**
- **Wide range of models to support SMB**
- **Instant data recovery and file versions**
- **Remote management**

Any backup is only as reliable as its ability to restore business data and applications when they are needed most. Small and mid-size businesses (SMBs) need to protect not only their data, but also the systems that access that data, such as Exchange, SQL Server and Active Directory. SMBs also need the performance to backup and restore rapidly expanding volumes of data, while meeting stricter regulatory compliance for data archiving. And should disaster strike, SMBs need the flexibility to immediately recover the most current data to new locations or computer platforms.

SonicWALL® Continuous Data Protection (CDP) offers the only complete end-to-end disk-based backup and recovery solution for SMBs. CDP features automatic transparent backup, user-directed restore, flexible disaster recovery options and low-touch administration. With capacity of up to 9 TB at typical 2:1 compression, GbE connectivity, RAID 5 and replaceable components, CDP solutions are designed to meet today's demanding requirements for performance and reliability. An ideal replacement for tape-based systems, CDP solutions provides foolproof, intuitive continual protection. CDP solutions ensure reliability and speed recovery by automatically generating e-mail alerts on any compromised connectivity as well as regularly-scheduled reports on backup activity. Extensible across multiple platforms including Windows and Linux®, CDP solutions can instantly recover data, applications or entire workstation or server systems onto original, new or virtual devices. CDP solutions secure data using industry-standard encryption anytime it is transmitted offsite, offering complete business information availability for servers, desktops and mobile laptops.

Features and Benefits

Automatic, transparent backup ensures that data, applications and systems are reliably protected from common user error, hardware failure, deletion, potential disaster and malicious attack.

User-directed restore increases user satisfaction and productivity while freeing IT resources.

Low-touch administration is delivered through the automation of tedious backup administrative tasks.

Flexible disaster recovery options provided are for Offsite Data Backup, Site-to-Site Data Backup and Local Archiving, as well as Bare Metal Recovery of complete systems—OS, files, applications, databases and settings—in just minutes.

Enforced policy-based backup provides the peace of mind that comes with being in control of all business-critical data, while avoiding the increased costs of backing up non-business related files such as personal music, videos and pictures. Administrators can easily pre-configure set policies to ensure that specific business-critical files, folders or applications are backed up, and to assign end-users rights to allow them to retrieve their own data.

Wide range of models to support SMB. CDP 110, CDP 210, CDP 5040 and CDP 6080 appliances are scaled to fit the budget, performance, and capacity needs of any SMB.

Instant data recovery and file versions ensures that all files are instantly and continually available in multiple historic versions, and also that all servers and their applications—including Exchange, SQL Server and Active Directory—are protected with multiple-point-in-time recovery in case of disaster. CDP version catalogs minimize downtime by enabling easy, instant, pick-and-click data recovery of files and even individual Exchange Mailboxes.

Remote management enables administrators to log in to Enterprise Manager on a CDP appliance from any remote location to manage policy and settings, view statistics, and pre-set backup of files, folders or applications, resulting in more flexible disaster recovery and increased service levels.



Flexible Options for Disaster Recovery

CDP offers multiple backup and recovery options enabling organizations to be up and running quickly after a disaster event.

- **Offsite:** The SonicWALL CDP Offsite Data Backup Service automatically transmits and stores data using AES 256-bit encryption to a secure data center. In the event the local CDP appliance is no longer viable, IT Administrators can easily recover the latest version of data through the CDP Offsite Web Portal.
- **Site-to-Site:** SonicWALL CDP Site-to-Site Backup automatically transmits and stores data using secure AES 256-bit encryption to another CDP appliance at a remote site. In the event the local CDP appliance is no longer viable, IT Administrators can easily recover the latest version of data through an easy-to-use interface.
- **Bare Metal Recovery (BMR) with Universal Restore:** SonicWALL BMR software creates an exact image of an entire server or workstation including the operating system files, programs, databases and settings. BMR's wizard-driven interface enables IT administrators to easily recover an entire system to dissimilar physical or virtual hardware regardless of make, model or installed components, from within minutes to hours.
- **Local Archiving:** SonicWALL CDP's Local Archiving capability allows IT to store the latest version of business-critical data to a USB drive. Designed to help SMBs meet regulatory compliance, Local Archiving enables administrators to explore archives and restore individual files.

Complete End-to-end Backup and Recovery to Meet Every SMB Need

The SonicWALL CDP Series provides a flexible, extensible solution that can scale to meet the budget, performance and capacity needs of any SMB.

- The **SonicWALL® Continuous Data Protection (CDP) 110** is ideal for smaller distributed environments and remote or branch offices requiring automatic, transparent, disk-based backup and flexible disaster recovery for multiple workstations and servers with a capacity of up to 800 GB (at standard 2:1 compression ratios), featuring user-directed restore and low-touch administration

- The **SonicWALL® Continuous Data Protection (CDP) 210** is ideal for small distributed environments and remote or branch offices requiring automatic, transparent, disk-based backup and flexible disaster recovery for multiple workstations and servers with a capacity of up to 2 TB (at standard 2:1 compression ratios), featuring user-directed restore and low-touch administration.

- The **SonicWALL® Continuous Data Protection (CDP) 5040** is ideal for small-to-medium size organizations demanding high performance and capacity. The CDP 5040 offers automatic disk-based backup and recovery for multiple workstations and server applications, capacity of up to 4.5 TB (at standard 2:1 compression ratios), flexible disaster recovery options, RAID 5 and replaceable drives.

- The **SonicWALL® Continuous Data Protection (CDP) 6080** is ideal for medium size organizations demanding higher performance and capacity, offering automatic disk-based backup and recovery for multiple workstations and server applications, capacity extensible from 4.5-9 TB (at 2:1 compression), flexible disaster recovery options, RAID 5, and replaceable drives and power supplies.

Key Components

The key components of the SonicWALL CDP solution are the SonicWALL CDP appliance, the Enterprise Manager and the Agent Tool.

- **SonicWALL CDP Appliance:** This dedicated disk-based backup appliance enables all CDP features and functions, including storage, file and application versioning, and offsite transmission and encryption. The SonicWALL CDP appliance can be configured and administered locally or via the Enterprise Manager.
- **Enterprise Manager:** The SonicWALL CDP Enterprise Manager monitors system activity and provides file-level visibility into all clients that are active on the CDP appliance. From a remote location, administrators can use Enterprise Manager in conjunction with a SonicWALL SSL VPN or IPSec VPN solution to recover files, enforce consistent backup policies and control features available to end-users.
- **Agent Tool:** The SonicWALL CDP Agent Tool is installed on every laptop, PC or server that is connected to the CDP appliance. It provides configuration, status and monitoring, as well as file and disaster recovery for each device. End-users can recover file versions through a simple user interface.

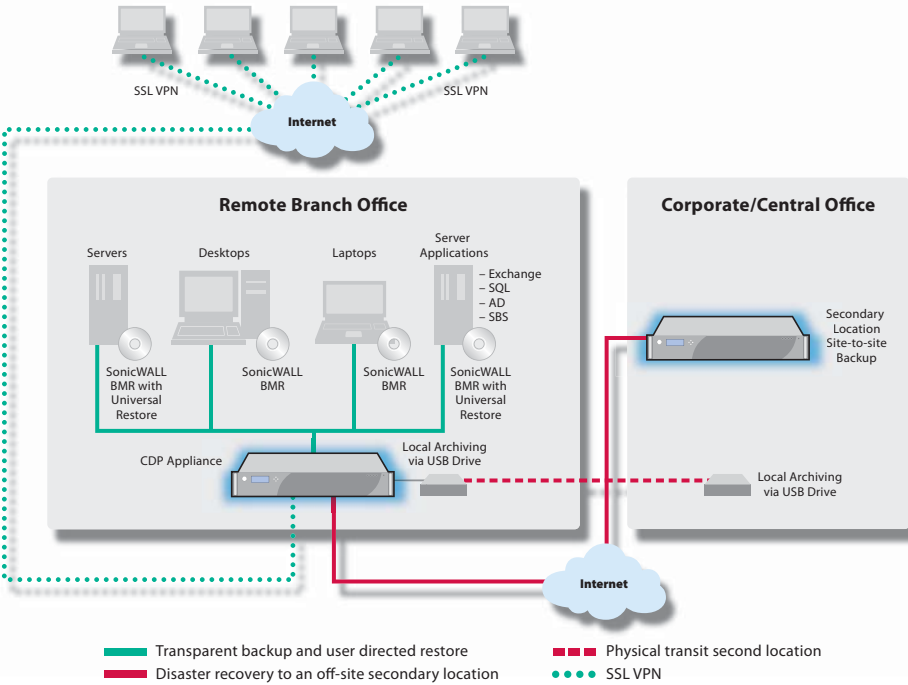
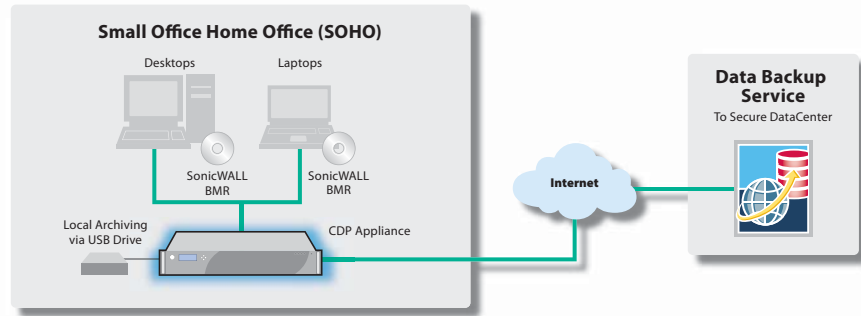
*“Storage services
models for data
backup, archiving
and replication
will be more
appealing to
businesses.”*

- IDC

Sonicwall CDP Deployment Scenarios

Small Office Home Office (SOHO)

In this SOHO scenario, data on desktops and laptops is transparently backed up to the CDP appliance, which is then automatically backed up to the CDP Offsite Data Backup Service using SonicWALL's state-of-the-art Secure Data Center. Additionally, the latest version of backup data can be archived on a local USB drive for added disaster protection, and complete system images of all workstations can be written on a secondary external media for Bare Metal Recovery.

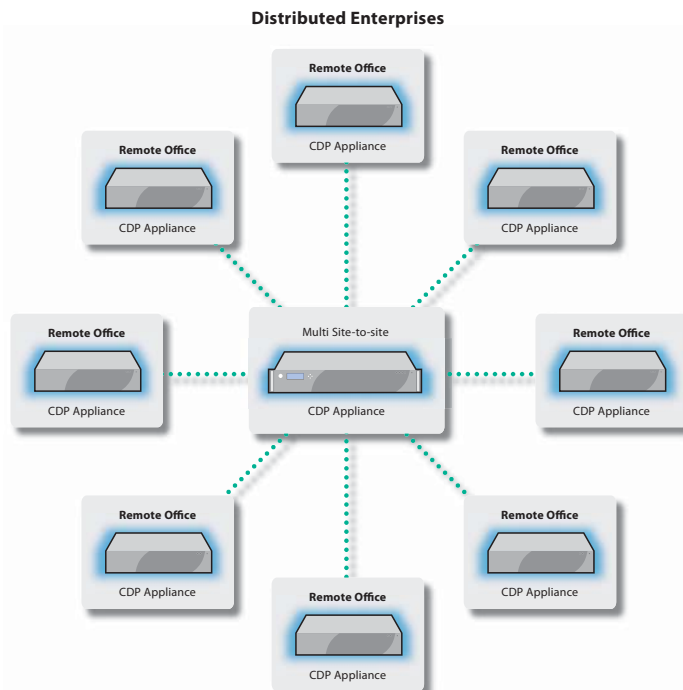


Remote Office Branch Office (ROBO)

In this ROBO scenario, data and applications from workstations and servers at each remote office have been burned to CDs for Bare Metal Recovery. Data from workstations and servers is transparently and automatically transmitted to the local CDP appliance at headquarters. Mobile users' data is transparently and securely transmitted over SSL VPN to the branch office CDP appliance. The backup is then securely transmitted site-to-site to a secondary CDP appliance at the central office. Additionally, the latest version of backup data can be archived on a local USB drive for added disaster protection.

Distributed Environments

In this distributed environment scenario, a primary CDP appliance aggregates and centralizes backups from multiple site-to-site connections.



Distributed Enterprises

Specifications



CDP 6080
01-SSC-9304



CDP 5040
01-SSC-9303



CDP 210
01-SSC-9309



CDP 110
01-SSC-9300

	CDP 110	CDP 210	CDP 5040	CDP 6080
Recommended Configuration				
Users (maximum)	15	25	60	100
Servers (maximum)	5	5	10	15
Operating System Support				
Windows XP, XP Professional	Yes	Yes	Yes	Yes
Windows Server 2000 and 2003	Yes	Yes	Yes	Yes
Linux (Debian 3.1, Red Hat 10.1, Fedora Core 5, Red Hat Enterprise Linux 3)	Yes	Yes	Yes	Yes
Server Application Support				
MS Exchange 2000 and 2003	Yes	Yes	Yes	Yes
MS SQL Server 2000 and 2005	Yes	Yes	Yes	Yes
Active Directory Backup	Yes	Yes	Yes	Yes
Auto-discovery of Database	Yes	Yes	Yes	Yes
Client Application Support				
MS Outlook 2003, 2007	Yes	Yes	Yes	Yes
Outlook Express	Yes	Yes	Yes	Yes
Backup and Recovery				
Continuous Data Protection (CDP)	Yes	Yes	Yes	Yes
Zero-downtime Automated Backup	Yes	Yes	Yes	Yes
Zero Impact Backup – Transparent and Hassel-free	Yes	Yes	Yes	Yes
Backup Windows Data and Applications in Virtual Environment	Yes	Yes	Yes	Yes
User Directed Recovery	Yes	Yes	Yes	Yes
File Versioning	Yes	Yes	Yes	Yes
Open File Backup	Yes	Yes	Yes	Yes
Compression	Yes	Yes	Yes	Yes
Automated Firmware update	Yes	Yes	Yes	Yes
Disaster Recovery				
Site-to-Site Backup (Data Replication)	Optional	Optional	Optional	Optional
Local Archiving	Optional	Optional	Optional	Optional
Offsite Backup	Optional	Optional	Optional	Optional
Bare Metal Recovery with Universal Restore	Optional	Optional	Optional	Optional
Bare Metal Recovery – Server	Optional	Optional	Yes	Yes
Bare Metal Recovery – Workstation	Yes	Yes	Yes	Yes
Security				
AES 256-bit Encryption	Yes	Yes	Yes	Yes
Management and Administration				
Central Administration	Yes	Yes	Yes	Yes
Policy Based Backup	Yes	Yes	Yes	Yes
Enforced Common Folder Backup	Yes	Yes	Yes	Yes
Enforced Application Backup	Yes	Yes	Yes	Yes
Quota Setting	Yes	Yes	Yes	Yes
Reporting/Logging	Yes	Yes	Yes	Yes
Event Alerting	Yes	Yes	Yes	Yes
File Filters	Yes	Yes	Yes	Yes
Appliance Characteristic				
Form Factor	Desktop	Desktop	1U	2U
RAID Support	–	–	RAID 5	RAID 5
RAM included/maximum	512 MB	512 MB	2 GB	4 GB
Internal Drives	1 standard	1 standard	4 standard	4 standard (8 max.)
Disk Drive Capacity, Type	400 GB 1 TB	1 TB	750 GB 1 TB	750 GB 1 TB
Total Capacity (Raw)	400 GB	1 TB	3 TB	3 TB (6 TB max.)
Total Capacity	400 GB	1 TB	2.25 TB	2.25 TB (4.5 TB max.)
Total Capacity (Useable @ Typical 2:1 Compression)	800 GB	2 TB	4.5 TB	4.5 TB (9 TB max.)
Network Interface	100BaseT	100BaseT	1 GbE	1 GbE
Technical Specifications				
Depth	10.75 in (27.3 cm)	10.75 in (27.3 cm)	TBD*	TBD*
Weight	6.6lbs (3kg)–not including AC/DC	6.6lbs (3kg)–not including AC/DC	TBD*	TBD*
Environmental				
Relative Humidity	5-95% R.H., non-condensing	5-95% R.H., non-condensing	TBD*	TBD*
Temperature				
Operating	0-40°C	0-40°C	TBD*	TBD*
Non-operating/Storage	-25 to 70°C	-25 to 70°C	TBD*	TBD*
Altitude				
Operating	-200 to 13K ft (-60 to 4K m)	-200 to 13K ft (-60 to 4K m)	TBD*	TBD*
Non-operating/Storage	0-40K ft (0-12K m)	0-40K ft (0-12K m)	TBD*	TBD*
Mechanical				
Acoustics	48.4 dB, at 24°C environment	48.4 dB, at 24°C environment	TBD*	TBD*
Vibration				
Operating	0.25Grms, 10-300Hz, Random Input	0.25Grms, 10-300Hz, Random Input	TBD*	TBD*
Non-operating	0.50Grms, 10-300Hz, Random Input	0.50Grms, 10-300Hz, Random Input	TBD*	TBD*
Shock				
Operating	10G at 6ms, ½-sine shock pulse	10G at 6ms, ½-sine shock pulse	TBD*	TBD*
Non-operating	110G at 2ms, ½-sine shock pulse	110G at 2ms, ½-sine shock pulse	TBD*	TBD*
Support and Warranty				
Support and Warranty	1-year Standard HW Support with 90-day Dynamic Support			

* Please see www.sonicwall.com for the latest specifications.

For more information on SonicWALL backup and recovery solutions, please visit www.sonicwall.com.

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