



# Product Brief

CA ARCSERVE® D2D ON DEMAND IS A SAAS-BASED HYBRID DATA PROTECTION SOLUTION DESIGNED FOR MICROSOFT WINDOWS SERVERS AND WORKSTATIONS WITH MINIMAL TO NO CAPITAL EXPENDITURE INVESTMENTS. UNLIKE OTHER ONLINE BACKUP SOLUTIONS THAT ONLY PROTECT SELECT FILES DIRECTLY TO PROPRIETARY CLOUD STORAGE, CA ARCSERVE D2D ON DEMAND PROVIDES A TRUE HYBRID DATA PROTECTION SOLUTION; ALLOWING RAPID BACKUP AND LOCAL RECOVERY OF FULL SYSTEMS, APPLICATIONS, AND DATA, WHILE UTILIZING MICROSOFT WINDOWS® AZURE™ FOR OFFSITE PROTECTION OF CRITICAL FILES.

## OVERVIEW

With today's business demands, you need a data protection solution that enables you to take more frequent backups to minimize the risk of data loss while still meeting your ever-tightening backup windows. And, you need a solution that offers fast system recovery to any physical or virtual server to reduce business disruptions and downtime.

Since most small businesses don't have their own remote site for Disaster Recovery (DR), don't have the capital expense budget needed to build their own DR infrastructure, and don't have the staff to monitor, manage and maintain a DR site, a public cloud offering like Microsoft Windows Azure provides a great solution.

Why rely on costly, risky and time-consuming physical media transport for disaster recovery when you can have an automated way to copy critical information offsite with minimal IT support required? CA ARCserve D2D On Demand helps you address all these needs with a single solution.

## BENEFITS

Software as a Service (SaaS) subscription licensing model lets you leverage operational budgets (OPEX) to lower IT costs and overcome capital expenditure (CAPEX) constraints by offering affordable annual and monthly subscription-based licensing that includes 25GB Windows Azure cloud storage.

You can leverage a solution provider partner to help you deploy and manage the entire process, helping you improve your IT staff's productivity.

Gain flexibility and reduce onsite storage costs and maintenance by leveraging on-demand cloud storage. The CA ARCserve On Demand Portal gives you instant insight into how much storage you licensed and are using in the cloud to help you manage costs.

Bundled and integrated cloud storage simplifies both disaster recovery planning and purchasing and enables you to deal with a single vendor. Integrated encryption helps secure your information during transmission and when stored in the cloud.

## CA ARCSERVE ADVANTAGE

Start leveraging the benefits cloud-based data protection has to offer without giving up the necessity of complete system protection.

CA ARCserve D2D On Demand hybrid data protection delivers the best of both worlds—you get fast local backup and recovery with the convenience of bundled and integrated cloud storage for disaster recovery and archiving.

You get to use Windows Azure, a trusted public cloud solution from an industry leader like Microsoft.

Patent-pending Infinite Incremental (I2 Technology™) enables you to perform more frequent backups for better data protection while helping reduce local storage requirements and costs.

Bare Metal Recovery (BMR) to any physical or virtual server helps slash system recovery time by up to 80% over traditional manual methods.

## The power of a SaaS-based hybrid data protection solution

CA ARCserve D2D On Demand helps you ensure the protection and availability of your systems and data through a hybrid on-premise and cloud approach. Based on CA ARCserve D2D software already used worldwide, you use local disk resources for fast backup and restore and leverage Microsoft Windows Azure, a trusted public cloud, for offsite protection of critical information. As a SaaS solution, you subscribe to this service using operational budgets (OPEX) and avoid having to use capital expenditure budgets (CAPEX) for new software and offsite disaster recovery infrastructure. You can add cloud storage as



needed, making you more agile and enabling better budget planning. Bundled cloud storage eliminates the need to contract with a separate cloud storage vendor, simplifying purchasing and offering single vendor support.

## Enterprise-level protection for the small business budget

**HYBRID DATA PROTECTION** Perform fast backup to local disk and can slash recovery time by up to 80% over traditional methods. Schedule automated file copy and archive to the Windows Azure Cloud for disaster recovery and to help reduce storage costs. Using a public cloud can also help simplify onsite IT infrastructure, improve IT productivity and reduce capital expenses.

**SERVER AND WORKSTATION PROTECTION** Avoid the cost of data loss and downtime with infinite, incremental snapshot backups, bare-metal restore and file copy/archive to the Cloud for Windows-based servers and workstations.

**BUNDLED CLOUD STORAGE** Powered by Windows Azure, all your content stored in the CA Cloud is **replicated three times**. Your data will be replicated on different fault domains thereby making it more fault tolerant. **Windows Azure Geo-replication** replicates Windows Azure Blobs and Tables between two data centers 100s of miles apart from each other on the same continent, to provide additional data durability in the case of a major disaster.

**FILE COPY/ARCHIVE** Quickly and easily schedule automated file copy to the Windows Azure Cloud—right from your D2D On Demand snapshots. After the initial file copy, only block-level changes are sent to the cloud helping minimize bandwidth use and speed transmission. File versioning allows multiple file versions to be kept in the cloud. Set file retention policies to help control cloud storage use and cost. Leverage cloud storage as an offsite archive, providing another layer of data protection.

**CA ARCSERVE ON DEMAND WEB PORTAL** Provides quick visibility to your licensed and used Windows Azure storage and billing. One comprehensive reporting tool for all your protected machines and cloud storage makes it easy for you to manage.

**BLOCK-LEVEL, INFINITE INCREMENTAL BACKUP USING I<sup>2</sup> TECHNOLOGY** This patent-pending disk-based snapshot technology uses less storage space, performs backups faster and minimizes load on your production servers. Intelligently manages the backup of only those data blocks that have changed since the last backup and presents a consolidated point-in-time view of the protected volume for multiple recovery types—helping reduce risk and recovery time.

**SIX EASY RESTORE OPTIONS** Use local backups to rapidly restore files, volumes, databases, Microsoft Exchange emails or the entire system to any server in both physical and virtual environments. Restore files and folders right from the cloud when local backups are unavailable.

**BARE-METAL RESTORE (BMR) TO DISSIMILAR HARDWARE** Bare-metal restore offers a lightning-fast way to recover a crashed server to the same or dissimilar hardware. It does so by placing the system image of the original drive back onto the new drive and restarts the system. This reduces a process that can potentially take as long as 36 hours to as little as a few minutes, reducing your risk and your business losses from system downtime.

**PHYSICAL AND VIRTUAL SERVER SUPPORT** A single solution to help protect both physical and virtual servers saves you training time and simplifies your operations.

**ENCRYPTION** Secure transport and storage helps you protect mission-critical data with AES encryption.

**APPLICATION-CONSISTENT SNAPSHOT BACKUPS** For fast application recovery, this helps ensure that the application is being properly quiesced and backed up from a consistent state to help reduce downtime and minimize losses.

**DYNAMIC DOCUMENTATION WITH A WEB 2.0 INTERFACE** Fast and easy access to the latest product documentation is available to you via the CA ARCserve D2D user interface; helping reduce management time and increase productivity.

**POINT-IN-TIME BACKUP VIEW** A full, point-in-time view of the protected disk for rapid recovery of files, folders, volumes, Exchange emails and databases, making the recovery process easier and offering a selection of methods to recover.

**HIGH-FREQUENCY BACKUPS** New I<sup>2</sup> Technology enables you to perform backups every 15 minutes for greater levels of protection, improved recovery point objectives (RPOs) and reduced risk.

## PRODUCT BRIEF: CA ARCserve® D2D On Demand



**BACKUP THROTTLING** Enables you to customize your backup performance processes to balance system usage. This is important if you have other mission-critical applications and services running that need most of the system resources. It helps you to ensure the necessary resources to allow these applications to adequately perform their functions.

**GRANULAR MAILBOX RECOVERY** Recover a single email or attachment, saving time and energy typically spent recovering an entire Microsoft Exchange server.

**AUTO UPDATE** Reduces workload by notifying when new updates are available and ready for installation.

**END-USER SEARCH AND RESTORE** Find and recover file- and folder-level items from user data sets without administrator intervention—this speeds recovery time and reduces the workload of IT personnel.

The CA ARCserve D2D management console provides an easy-to-use overview of backup status, available recovery point.

The screenshot shows the CA ARCserve D2D management console interface. It includes a top navigation bar with the logo and user information. The main content area is divided into several sections: a 'Summary' section with status indicators for 'Last Backup - Incremental Backup', 'Recovery Points', 'Destination Capacity', 'Updates', and 'Last File Copy'; a 'Protection Summary' table; a 'Most Recent Events' table; and an 'Overall Backup Success Rate' chart. A right-hand sidebar contains various task and support links.

Job Type	Count	Total Size	Schedule	Last Successful Event	Next Event
Full Backup	1	36.81 GB	Never	2/14/2011 10:07:32 PM	
Incremental Backup	0	0 Bytes	Never		
Verify Backup	0	0 Bytes	Never		
File Copy	1	0 Bytes	Every 1 Backup(s)	2/14/2011 10:20:46 PM	
Copy Recovery Point	1	36.90 GB	Never	2/14/2011 5:38:04 PM	

Status	Job Type	Date/Time	Size	File Copy...	Name
✓	Incremental Backup	2/14/2011 10:07:32 PM	202.20 MB	Finished	Customized Incremental Backup

The CA ARCserve On Demand Web Portal provides reporting on all Windows Azure Cloud storage licensed and being used. It is also the tool to submit new orders and renewals to your authorized CA Reseller Partner

The screenshot shows the CA ARCserve On Demand Portal interface. It features a header with the logo and 'ARCserve On Demand Portal' title. The main content area includes a 'Main' menu, 'Storage Summary', and 'Contact Support' links. The user is logged in as 'CA Technologies - United States (Customer)'. The account status is 'Active', with a contract end date of January 3, 2013, and 94.19% of contract time remaining. A table titled 'Licenses and Storage Purchased' lists the following items:

Name	Quantity	License in use	Storage Purchased in GB
CA ARCserve® D2D On Demand Server License	1	0	25 GB
CA ARCserve® D2D On Demand Extra Storage - 25 GB	1	N/A	25 GB



## Gain the protection your company deserve

CA ARCserve D2D On Demand makes it easy for you to protect your systems, applications and data while speeding recovery and reducing system downtime. Its hybrid data protection architecture lets you perform more frequent and faster backups with complete system restore from local resources, and adds the power and efficiency of bundled Windows Azure cloud storage for offsite data protection. With CA ARCserve D2D On Demand, your business can become more resilient, which can translate into higher levels of sales, service, and customer and employee satisfaction, as well as addressing compliance goals.

## Part of the CA ARCserve Family of Products

As a key component of the CA ARCserve Family of Products, CA ARCserve D2D On Demand delivers a new approach to data protection through its SaaS subscription licensing model, hybrid architecture and bundled cloud storage for offsite data protection.

## Next Steps

To learn more about how CA ARCserve D2D On Demand can help your small business to simplify and enhance your data protection needs while improving business uptime, visit [arcserve.com/d2dondemand](http://arcserve.com/d2dondemand) or contact your local CA representative at [arcserve.com/about-us/contact-us](http://arcserve.com/about-us/contact-us).