

CA ARCserve® Backup for Windows

Release Summary

r15



This documentation and any related computer software help programs (hereinafter referred to as the "Documentation") are for your informational purposes only and are subject to change or withdrawal by CA at any time.

This Documentation may not be copied, transferred, reproduced, disclosed, modified or duplicated, in whole or in part, without the prior written consent of CA. This Documentation is confidential and proprietary information of CA and may not be used or disclosed by you except as may be permitted in a separate confidentiality agreement between you and CA.

Notwithstanding the foregoing, if you are a licensed user of the software product(s) addressed in the Documentation, you may print a reasonable number of copies of the Documentation for internal use by you and your employees in connection with that software, provided that all CA copyright notices and legends are affixed to each reproduced copy.

The right to print copies of the Documentation is limited to the period during which the applicable license for such software remains in full force and effect. Should the license terminate for any reason, it is your responsibility to certify in writing to CA that all copies and partial copies of the Documentation have been returned to CA or destroyed.

TO THE EXTENT PERMITTED BY APPLICABLE LAW, CA PROVIDES THIS DOCUMENTATION "AS IS" WITHOUT WARRANTY OF ANY KIND, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NONINFRINGEMENT. IN NO EVENT WILL CA BE LIABLE TO THE END USER OR ANY THIRD PARTY FOR ANY LOSS OR DAMAGE, DIRECT OR INDIRECT, FROM THE USE OF THIS DOCUMENTATION, INCLUDING WITHOUT LIMITATION, LOST PROFITS, LOST INVESTMENT, BUSINESS INTERRUPTION, GOODWILL, OR LOST DATA, EVEN IF CA IS EXPRESSLY ADVISED IN ADVANCE OF THE POSSIBILITY OF SUCH LOSS OR DAMAGE.

The use of any software product referenced in the Documentation is governed by the applicable license agreement and is not modified in any way by the terms of this notice.

The manufacturer of this Documentation is CA.

Provided with "Restricted Rights." Use, duplication or disclosure by the United States Government is subject to the restrictions set forth in FAR Sections 12.212, 52.227-14, and 52.227-19(c)(1) - (2) and DFARS Section 252.227-7014(b)(3), as applicable, or their successors.

Copyright © 2010 CA. All rights reserved. All trademarks, trade names, service marks, and logos referenced herein belong to their respective companies.

CA Product References

This document references the following CA products:

- BrightStor® Enterprise Backup
- CA Antivirus
- CA ARCserve® Assured Recovery™
- CA ARCserve® Backup Agent for Advantage™ Ingres®
- CA ARCserve® Backup Agent for Novell Open Enterprise Server for Linux
- CA ARCserve® Backup Agent for Open Files on NetWare
- CA ARCserve® Backup Agent for Open Files on Windows
- CA ARCserve® Backup Client Agent for FreeBSD
- CA ARCserve® Backup Client Agent for Linux
- CA ARCserve® Backup Client Agent for Mainframe Linux
- CA ARCserve® Backup Client Agent for NetWare
- CA ARCserve® Backup Client Agent for UNIX
- CA ARCserve® Backup Client Agent for Windows
- CA ARCserve® Backup Enterprise Option for AS/400
- CA ARCserve® Backup Enterprise Option for Open VMS
- CA ARCserve® Backup for Microsoft Windows Essential Business Server
- CA ARCserve® Backup for Windows
- CA ARCserve® Backup for Windows Agent for IBM Informix
- CA ARCserve® Backup for Windows Agent for Lotus Domino
- CA ARCserve® Backup for Windows Agent for Microsoft Exchange Server
- CA ARCserve® Backup for Windows Agent for Microsoft SharePoint Server
- CA ARCserve® Backup for Windows Agent for Microsoft SQL Server
- CA ARCserve® Backup for Windows Agent for Oracle
- CA ARCserve® Backup for Windows Agent for Sybase
- CA ARCserve® Backup for Windows Agent for Virtual Machines
- CA ARCserve® Backup for Windows Disaster Recovery Option
- CA ARCserve® Backup for Windows Enterprise Module

- CA ARCserve® Backup for Windows Enterprise Option for IBM 3494
- CA ARCserve® Backup for Windows Enterprise Option for SAP R/3 for Oracle
- CA ARCserve® Backup for Windows Enterprise Option for StorageTek ACSLS
- CA ARCserve® Backup for Windows Image Option
- CA ARCserve® Backup for Windows Microsoft Volume Shadow Copy Service
- CA ARCserve® Backup for Windows NDMP NAS Option
- CA ARCserve® Backup for Windows Serverless Backup Option
- CA ARCserve® Backup for Windows Storage Area Network (SAN) Option
- CA ARCserve® Backup for Windows Tape Library Option
- CA ARCserve® Backup Patch Manager
- CA ARCserve® Backup UNIX and Linux Data Mover
- CA ARCserve® D2D
- CA ARCserve® High Availability
- CA ARCserve® Replication
- CA VM:Tape for z/VM
- CA 1® Tape Management
- Common Services™
- eTrust® Firewall
- Unicenter® Network and Systems Management
- Unicenter® Software Delivery
- Unicenter® VM:Operator®

Contact CA

Contact Technical Support

For your convenience, CA provides one site where you can access the information you need for your Home Office, Small Business, and Enterprise CA products. At [CA ARCserve Backup Support](#), you can access the following:

- Online and telephone contact information for technical assistance and customer services
- Information about user communities and forums
- Product and documentation downloads
- CA Support policies and guidelines
- Other helpful resources appropriate for your product

Provide Feedback

If you have comments or questions about CA product documentation, you can send a message to techpubs@ca.com.

If you would like to provide feedback about CA product documentation, complete our short [customer survey](#), which is also available on the CA Support website, found at <http://ca.com/docs>.

Contents

Chapter 1: New Features and Functional Enhancements 9

Granular Restores of Microsoft SharePoint Backup Images	10
Object Level Restore of Active Directory Items from System State Backup	10
UNIX and Linux Data Mover	10
Agent Support for Microsoft Exchange 2010	11
Agent Support for Microsoft SharePoint 2010	11
Storage Resource Management (SRM) Enhancements	12
Raw Backup and Restore	12
Dashboards	12
Global Dashboard	12
New Dashboard Reports	13
Integrating CA ARCserve Patch Manager Capabilities with CA ARCserve Backup	14
Agent Support for IBM Informix 11.5	14
Agent Support for Lotus Domino Server 8.5	15
Agent Support for Microsoft SQL Server 2008	15
Central Job Queue Management	15
Centralized Licensing	16
Enhanced CA Antivirus Maintenance	16
Enhanced Catalog DB	16
Deduplication Enhancements	17
Global Scratch Set Enabled by Default	17
Infrastructure Visualization	17
Integration with Secure Key Management	18
Makeup Jobs	18
NLO/VLO Support on x64 Platforms	18
Disaster Recovery Support from Physical Machine to Hyper-V Machine	18
Recover the CA ARCserve Backup Database Using the CA ARCserve Database Recovery Wizard ...	18
Microsoft SQL Server 2008 Express Edition as the Default CA ARCserve Backup Database	19
Weekly Migration Policy for Disk and Tape Staging Backups	19

Chapter 2: Usability Enhancements 21

CA ARCserve Backup Manager Enhancements	21
Central Agent Administration	22
Database Paths	22
Disk-Based Device Configuration	22
Exclude Items from Dynamically Packaged Jobs	23
Group View	23

Wizard-Like Backup Manager	24
Diagnostic Enhancements	24
Integration with CA ARCserve D2D	24
Licensing	25
Setup and Deployment	26
Static Backup	26
Documentation Changes	26
 Chapter 3: Resolved User Requests	 27
CA ARCserve Backup Installation Support on Read-Only Domain Controllers	27
Compare Media Operation	27
Import Tapes from Mail Slots	27
 Chapter 4: Features Not Supported	 29
Features Not Supported in this Release	29

Chapter 1: New Features and Functional Enhancements

This Release Summary describes new features, functional enhancements, and usability enhancements included with CA ARCserve Backup r15. This chapter describes the new features and functional enhancements added to the product for this release.

This section contains the following topics:

- [Granular Restores of Microsoft SharePoint Backup Images](#) (see page 10)
- [Object Level Restore of Active Directory Items from System State Backup](#) (see page 10)
- [UNIX and Linux Data Mover](#) (see page 10)
- [Agent Support for Microsoft Exchange 2010](#) (see page 11)
- [Agent Support for Microsoft SharePoint 2010](#) (see page 11)
- [Storage Resource Management \(SRM\) Enhancements](#) (see page 12)
- [Raw Backup and Restore](#) (see page 12)
- [Dashboards](#) (see page 12)
- [Integrating CA ARCserve Patch Manager Capabilities with CA ARCserve Backup](#) (see page 14)
- [Agent Support for IBM Informix 11.5](#) (see page 14)
- [Agent Support for Lotus Domino Server 8.5](#) (see page 15)
- [Agent Support for Microsoft SQL Server 2008](#) (see page 15)
- [Central Job Queue Management](#) (see page 15)
- [Centralized Licensing](#) (see page 16)
- [Enhanced CA Antivirus Maintenance](#) (see page 16)
- [Enhanced Catalog DB](#) (see page 16)
- [Deduplication Enhancements](#) (see page 17)
- [Global Scratch Set Enabled by Default](#) (see page 17)
- [Infrastructure Visualization](#) (see page 17)
- [Integration with Secure Key Management](#) (see page 18)
- [Makeup Jobs](#) (see page 18)
- [NLO/VLO Support on x64 Platforms](#) (see page 18)
- [Disaster Recovery Support from Physical Machine to Hyper-V Machine](#) (see page 18)
- [Recover the CA ARCserve Backup Database Using the CA ARCserve Database Recovery Wizard](#) (see page 18)
- [Microsoft SQL Server 2008 Express Edition as the Default CA ARCserve Backup Database](#) (see page 19)
- [Weekly Migration Policy for Disk and Tape Staging Backups](#) (see page 19)

Granular Restores of Microsoft SharePoint Backup Images

CA ARCserve Backup Agent for Microsoft SharePoint Server now lets you perform granular restores of the Microsoft SharePoint database level backup image. This means that you can now restore individual files, sites, and subsites within a Microsoft SharePoint environment for fast recovery. You can also restore the entire environment and perform all types of restores using a single-pass full farm backup.

Note: This feature applies to Microsoft SharePoint 2007 and later versions.

Object Level Restore of Active Directory Items from System State Backup

In this release, CA ARCserve Backup lets you restore any static information about computer users, groups, printers, and computer network configuration data in the Active Directory from a system state backup. CA ARCserve Backup lets you back up the Active Directory as part of the computer's system state and restore the individual objects of the Active Directory on Windows Server 2003 and Windows 2008 Server systems, from one full system state backup.

UNIX and Linux Data Mover

This release of CA ARCserve Backup includes the new UNIX and Linux Data Mover that lets you protect UNIX and Linux file system data and Oracle data. You can store the data on locally accessible disks and tape devices (libraries) that are shared between the data mover servers and CA ARCserve Backup primary servers in a SAN environment. Using locally accessible disks and shared tape devices in a SAN environment helps reduce network traffic, and minimizes backup and restore windows.

Agent Support for Microsoft Exchange 2010

CA ARCserve Backup Agent for Microsoft Exchange Server includes database level and document level backup and restore.

On Exchange Server 2010 systems, you can use Database level backup and restore to do the following:

- Restore the system in disaster recovery scenarios.
- Back up an Exchange Server system at the database level.
- Back up and restore a mailbox or a public folder database from a stand-alone server.
- Back up and restore a mailbox or a public folder database from Exchange Data Availability Groups (DAG).
- Restore to the original or an alternate location.

You can use document-level backup and restore to do the following:

- Perform folder-level backups and message-level restores. Document level backup supports advanced filtering during backup and offers advanced configuration options.
- Maximize performance and flexibility by supporting complete messaging single instance storage, multi-threading, and by offering the most granular level of restore.
- Simplify many administrative tasks, such as auditing, migration, pruning, and aging.
- Back up many messaging objects including posts, tasks, notes, journal entries, mail messages, events, appointments, meeting requests, and contacts.
- Schedule Exchange Server backups using the Backup Manager.

Agent Support for Microsoft SharePoint 2010

CA ARCserve Backup Agent for Microsoft SharePoint Server now supports Microsoft SharePoint 2010 (Release Candidate). The agent also supports the Microsoft SharePoint 2010 failover database feature.

Storage Resource Management (SRM) Enhancements

This release includes new reports that help ease management of your environment and enable you to be more proactive in avoiding problems before they happen. For example, file system disk usage trending helps you manage and plan future disk space requirements. Performance Key Indicators let you set thresholds for critical resources such as CPU, memory, and disk space, and alert you when the threshold has been reached. You can also view reports containing all systems using your CA ARCserve Backup licenses, so that you can efficiently manage the licenses and reduce costs.

Raw Backup and Restore

CA ARCserve Backup now includes the raw backup and restore functionality that lets you back up and restore physical disks and physical volumes that may or may not have a file system. You can use this functionality to back up and restore Oracle database snapshots, non-Windows file system partitions, nameless partitions or volumes, or any snapshot mounted as a disk to the client system.

Dashboards

This section describes the Global Dashboard and the new Dashboard reports.

Global Dashboard

Global Dashboard is a user interface tool that provides you with a single network-based console from which you can monitor and report dashboard information for multiple CA ARCserve Backup domains across your enterprise. Global Dashboard extends the CA ARCserve Backup Dashboards capability so that you can quickly and easily view dashboard information for multiple CA ARCserve Backup domains, both in your main office and in remote offices, all from a central location. This centralized monitoring capability through Global Dashboard means better information being reported on the performance and operation of your entire CA ARCserve Backup and SRM environment.

New Dashboard Reports

CA ARCserve Backup Dashboard is a user interface tool that provides you with a snapshot overview of your backup infrastructure and your storage resource management (SRM) environment. This release includes the following new dashboard reports:

Application Data Trend Report

Is an SRM-type report that displays the data size in use for each type of application in a historical view and then projects the growth trend for these applications so that you can anticipate and prepare for future disk space requirements.

Client Node Software Report

Is an SRM-type report that displays the number of nodes that contain applications that can be protected by CA ARCserve Backup and the protection status.

Top Nodes with Most Unchanged Files Report

Is an SRM-type report that lists the top specified number of nodes with the largest unchanged file count or unchanged file size during the last specified number of days.

Total Protection Size Report

Displays the total size of data protected by CA ARCserve Backup within your backup domain and helps you perform capacity management and resource planning for your backup environment.

Utilization Reports

This release includes the following new utilization reports:

CPU Utilization Report

Shows the percentage of CPU usage for the monitored servers during a specified time period, in graphical format.

Disk Performance Report

Shows the disk throughput (speed in KB/sec) for the monitored servers during a specified time period, in graphical format.

Memory Utilization Report

Shows the percentage of memory usage for the monitored servers during a specified time period, in graphical format.

Network Utilization Report

Shows the percentage of network (NIC) usage for the monitored servers during a specified time period, in graphical format.

Volume Trend Report

Is an SRM-type report that displays the data size in use for each volume in a historical view and then projects the growth trend for these volumes so that you can anticipate and prepare for future volume space requirements.

Integrating CA ARCserve Patch Manager Capabilities with CA ARCserve Backup

This release of CA ARCserve Backup has integrated the capabilities of CA ARCserve Backup Patch Manager (Patch Manager). Patch Manager helps you to easily find, download, and install new CA ARCserve Backup patches. You can use Patch Manager to provide a fast, easy, and reliable solution to keep your backup environment up-to-date with the latest patches. Patch Manager automates the patch management process and eliminates the need to manually install critical product updates. Patch Manager also helps to keep your backup environment protected from security vulnerabilities.

Agent Support for IBM Informix 11.5

CA ARCserve Backup Agent for IBM Informix now supports IBM Informix 11.5.

Agent Support for Lotus Domino Server 8.5

CA ARCserve Backup Agent for Lotus Domino supports Lotus Domino® Server 8.5 and Lotus Domino® Server 8.5.1, including the Domino Attachment and Object Service (DAOS), which stores multiple copies of the same file attachments only once in a separate repository and retrieves them by reference.

Agent Support for Microsoft SQL Server 2008

CA ARCserve Backup Agent for Microsoft SQL Server now includes support for backup compression of Microsoft SQL Server 2008, Microsoft SQL Server 2008 R2, and later versions.

You can now enable the SQL Native Backup Compression in the Agent Option or Global Agent Options tab so that CA ARCserve Backup uses the SQL Server database backup compression settings, resulting in faster backup times and smaller sessions.

Central Job Queue Management

CA ARCserve Backup now lets you manage one or more CA ARCserve Backup domains using the Job Status Manager. Using the Job Status Manager, you can monitor and manage the job queues relating to all CA ARCserve Backup domains in your enterprise. You can view, add, and delete domains using the Job Status Manager.

Centralized Licensing

In this release, the licensing for the Agent for Open Files and the Agent for Lotus Domino is centralized, so that you can apply and manage all licenses for a specific environment from a single location, such as the CA ARCserve Backup primary server. Also, when you upgrade to this release, you must enter both the new upgrade key and the old license key for the agent on the primary server, or the stand-alone server.

If the Client Agent is installed on a virtual machine, the Client Agent for Windows or the Client Agent for Virtual Machines license can be applied for this node. When the Client Agent is installed on the virtual machine, the grace period is 61 days. However, if the Client Agent is installed on a physical machine, the grace period is 31 days.

The license for the Agent for Open Files has the same grace period as that of the Client Agent.

The VSS writer will display as being in the grace period even though CA ARCserve Backup Agent for Open Files is not installed or licensed.

Enhanced CA Antivirus Maintenance

The CA ARCserve Backup virus scan engine is now enhanced to use CA Antivirus 8.1 to protect your data.

Note: CA ARCserve Backup provides only the scanning and curing components. It does not provide a full installation of CA Antivirus.

Enhanced Catalog DB

The CA ARCserve Backup Catalog DB is now enhanced to reduce the size of the SQL database (especially for the 4GB limitation when SQL Express is the database) and also the time taken to browse after a successful backup.

Deduplication Enhancements

In this release, the deduplication feature has been enhanced as follows:

- CA ARCserve Backup supports global deduplication of Oracle RMAN backups.
- You can now create the deduplication device with data and index located on different hosts.
- Though CA ARCserve Backup always pre-allocates disk space in 1GB increments for the first full backup to help reduce fragmentation, the last 1 GB chunk of data is rounded down so that the data file occupies the actual compressed session size after the deduplication process is complete.

Note: The pre-allocation mechanism for consequent backups is unchanged.

Global Scratch Set Enabled by Default

In this release, the Use Global Scratch Set option in the Tape Engine General Options dialog is enabled by default so that job failures can be prevented when media pools run out of tapes.

Infrastructure Visualization

CA ARCserve Backup provides a visual representation of your CA ARCserve Backup environment, allowing you to quickly see backup status and explore how servers, nodes, and devices are related.

CA ARCserve Backup Infrastructure Visualization shows each CA ARCserve Backup server in a hierarchical form resembling an organization chart. You can view both the primary and member servers. The mini-map feature acts as a scaled-down version of the current view, allowing you to zoom, pan, and highlight portions of the visualization. You can customize the visualization by filtering by node or tier and by grouping elements. You can also print the contents of a view, with the output scaled to fit on a single physical page. Selecting a node permits you to access Dashboard reports. You can click a specific server or node to view the details and the most recent backup status.

A view always displays the most recent backup status and server, even if a node is backed up by several servers. Shared devices initially appear only under the primary server. When all other CA ARCserve Backup servers come on line, the devices are displayed in the SAN (Storage Area Network). The SAN devices are displayed with the SAN tag together with the device icon.

Integration with Secure Key Management

To support the encryption key management capabilities of various device manufacturers, such as HP and Quantum, CA ARCserve Backup now integrates with Secure Key Manager (SKM) technology.

Makeup Jobs

In this release, the makeup job is enhanced to protect the CA ARCserve database in a backup job. This means that if a backup job includes the CA ARCserve database, and the CA ARCserve database failed to get backed up, then a makeup job will be generated to include the CA ARCserve database in the backup job.

NLO/VLO Support on x64 Platforms

This release provides NLO/VLO support on x64 platforms, so that you can configure Virtual Library and StorageTek ACSLS on x64 platforms.

Disaster Recovery Support from Physical Machine to Hyper-V Machine

In this release, the Disaster Recovery Option supports recovering physical machine to Hyper-V VM. For more information, please download the latest version of the *Disaster Recovery Option Guide* from CA ARCserve Backup Support at https://support.ca.com/phpdocs/0/4536/support/arcserve_support.html.

Recover the CA ARCserve Backup Database Using the CA ARCserve Database Recovery Wizard

This release of CA ARCserve Backup includes the new CA ARCserve Database Recovery Wizard that lets you recover the CA ARCserve Backup database if it fails and was backed up by the CA ARCserve Backup domain that was using the database. The wizard is a self-protection utility that lets you recover the database from recent full, incremental, or differential backups; you can also recover the database from full backup sessions that are stored on devices connected to the backup server.

In addition, you can use the CA ARCserve Database Recovery Wizard to restore the CA ARCserve Backup database that was backed up using the backup server residing in the same domain.

Microsoft SQL Server 2008 Express Edition as the Default CA ARCserve Backup Database

In this release, Microsoft SQL Server 2008 Express Edition is the default CA ARCserve Backup database. You can deploy Microsoft SQL Server 2008 Express Edition on installations that consist of a stand-alone server, or installations that consist of a primary server and multiple member servers.

Note: Microsoft SQL Server 2005 Express Edition is no longer supported as the CA ARCserve Backup database in this release. Microsoft SQL Server 2008 Express Edition is installed when you upgrade from previous releases to this release.

Weekly Migration Policy for Disk and Tape Staging Backups

In this release, you can now specify copy (migration) policies for weekly full backup sessions, instead of the daily backup sessions, for both rotation jobs and GFS rotation jobs. For 7-day weekly full backups, CA ARCserve Backup migrates the Saturday (full) backup sessions. For 7-day weekly incremental/differential backup, full backup on Sunday backups, CA ARCserve Backup migrates the Sunday (full) backup sessions; for five day rotations, CA ARCserve Backup migrates the Friday (full) backup sessions.

Chapter 2: Usability Enhancements

This chapter describes the usability enhancements made to the product such as changes to the user interface, changes to licensing, setup and deployment, and documentation changes. The chapter also includes a list of features removed from the product.

This section contains the following topics:

[CA ARCserve Backup Manager Enhancements](#) (see page 21)

[Diagnostic Enhancements](#) (see page 24)

[Integration with CA ARCserve D2D](#) (see page 24)

[Licensing](#) (see page 25)

[Setup and Deployment](#) (see page 26)

[Static Backup](#) (see page 26)

[Documentation Changes](#) (see page 26)

CA ARCserve Backup Manager Enhancements

This release includes enhancements to the Manager Console that simplify tasks such as finding the right machine to select a backup source, configuring backup jobs for submission, and configuring devices. The enhancements to the Manager are as follows:

- Central Agent Administration
- Database Paths
- Disk-based Device Configuration
- Exclude Items from Dynamically Packaged Jobs
- Group View
- Wizard-like Backup Manager

Central Agent Administration

CA ARCserve Backup now includes a utility called the Central Agent Admin that lets you manage all agents from a central location. The Central Agent Admin manages the agent machine, and lets you view and delete agent logs and event logs, set debug level registry entries for one or more agents, and configure agent options (applies to the Client Agent and Agent for SQL Server only). Using the Central Agent Admin, you can also perform basic node management tasks often performed using the Backup Manager. You can add or modify node security information, and add, modify, or delete agents without opening the Backup Manager. You can also perform Node Tier configuration and Agent Deployment from the Central Agent Admin.

Note: The Central Agent Admin currently supports the Client Agent, the Agent for Open Files, the Agent for Microsoft SQL Server, the Agent for Microsoft Exchange Server, the Agent for Microsoft SharePoint Server, and the Agent for Oracle.

Database Paths

CA ARCserve Backup now supports case-sensitive paths for UNIX and Linux systems, and Oracle databases (applies to RMAN mode only) in the directory trees of CA ARCserve Backup managers such as the Backup Manager, Restore Manager, Device Manager, and so on. In addition, CA ARCserve Backup now supports installation on a Microsoft SQL Server instance with case-sensitive collation.

Disk-Based Device Configuration

This release of CA ARCserve Backup includes consolidated disk-based device configuration screens. You can add file system or deduplication devices from the same screen by clicking the appropriate type in the list and then clicking Add. You can also configure device groups from a single screen by clicking the appropriate group type. For example, clicking FSD Group displays a list of all file system devices in the group. You can assign or remove devices from a group, or rename and delete groups.

Finally, the Disk-based Group Property Configuration screen permits you to set the properties of a group by first selecting the appropriate group type from the list. You can now switch creation of one device type to another without having to exit a screen.

Exclude Items from Dynamically Packaged Jobs

When you package a backup job dynamically, you can exclude nodes or disks that you do not want to back up. For example, if you choose to dynamically back up a customized source group, where a server is part of another customized source group, then you can exclude the server from being backed up from one of the customized source groups.

Group View

Group View simplifies the way you find a backup source. You can now browse for backup sources in the following ways:

Application Groups

Categorize and browse machines based on the type of the CA ARCserve Backup agent.

Customized Groups

Configure customized groups and then add machines to those groups based on criteria you determine. You can also change the name of a customized group, delete a customized group, and change the servers in the group, as needed.

Filters

Search for source machines by server names, by agent type, and by subnet. For node filters, you can search by node name pattern or by node subnet pattern.

Wizard-Like Backup Manager

CA ARCserve Backup now includes an enhanced Backup Manager with clearly indicated tabs that take you through the process of configuring a backup job.

If you are performing a normal, deduplication, or UNIX/Linux Data Mover backup, with staging enabled, then two additional tabs, Staging Location and Migration Policy, display in the Backup Manager.

Staging Location

Select an interim device, usually a disk.

Migration Policy

Specify the copy policy if you are performing a normal backup or the copy and purge policies for the staging device if you are performing a deduplication backup.

The Backup Manager now includes a new backup type for the UNIX and Linux Data Mover in the Start tab. This backup option provides the capability to consolidate multiple data movers into a single backup job as long as they share a single library.

Diagnostic Enhancements

This release includes the following enhancements to the Diagnostic Utility:

- Collect all LOG files as Product Logs under the Log folder. The Log folder is at the install path of CA ARCserve Backup.
- Generate a new arcsysinfo.log as Product Log on primary server.
- Collect and show primary server information that includes details about whether the database is DB SQL or SQLE, local or remote, whether it uses ODBC or RPC connections, member servers number, and so on.
- Collect and show tape library and tape drive information, deduplication and FSD devices, and staging group and deduplication group.

Integration with CA ARCserve D2D

In this release, you can use the CA ARCserve Backup Manager to launch the CA ARCserve D2D user interface either locally or on a remote machine. CA ARCserve Backup also supports application-consistent backups of CA ARCserve D2D backups to tape or disk.

Licensing

In CA ARCserve Backup, the licensing scheme for the Agent for Open Files and the Agent for Lotus Domino is enhanced so that you can apply and manage the agent licenses for a specific environment from a single location such as the CA ARCserve Backup primary server. The CA ARCserve Backup UNIX and Linux Data Mover will also be licensed on the CA ARCserve Backup primary server.

The Global Dashboard is licensed separately and does not required the Enterprise Module license.

To perform raw backups and restores of physical disks and volumes, you must license the CA ARCserve Backup Enterprise Module.

You can now use the new Total Protection Size dashboard report to perform capacity management and resource planning for your backup environment with capacity-based license model.

In this release, the components such as Encryption, Multiplexing, Password Management, and User Profiles that were part of the Enterprise Module in the previous releases, are now available free with the base product. In addition, you can perform Disk Staging and Tape Staging backups with *up to two streams of data* using the base product, without the Enterprise Module license.

Also, the following suites are now renamed as modules:

- CA ARCserve Backup r15.0 File Server Suite *is renamed as* **CA ARCserve Backup r15.0 for Windows Essentials Module**
Note: File Server Suite (Base) and File Server Suite (Client) which existed in previous releases are now consolidated into a single Windows Essentials Module.
- CA ARCserve Backup r15.0 File Server Suite for Virtual Machines *is renamed as* **CA ARCserve Backup r15.0 Guest Based Virtual Machines Agent Bundle**
- CA ARCserve Backup r15.0 Email Server Suite *is renamed as* **CA ARCserve Backup r15.0 for Windows Advanced Module**
- CA ARCserve Backup r15.0 Database Server Suite *is renamed as* **CA ARCserve Backup r15.0 for Windows Standard Module**
- CA ARCserve Backup r15.0 Application Server Suite *is renamed as* **CA ARCserve Backup r15.0 for Windows Enterprise Plus Module**

Setup and Deployment

The enhancements to the CA ARCserve Backup setup and deployment are as follows:

- The Global Dashboard will now be enabled when you choose to install the CA ARCserve console. If the server is either primary or standalone, the CA ARCserve Backup installation process will automatically launch the Global Dashboard configuration utility at the end of the installation.
- The Agent Deployment Tool now includes upgrade and new installation support for the Agent for Microsoft Exchange Server in the Automatic Upgrade and Custom Installation modes, respectively.
- All agents will now include the CA Discovery Service on installation.
- The Add/Remove Programs application in the Windows Control Panel now shows a single entry for uninstalling CA ARCserve Backup. When you choose to uninstall CA ARCserve Backup, the application displays a single Uninstall Components dialog where you can select multiple components for uninstallation. To ensure that CA ARCserve Backup is completely uninstalled from your system, you must uninstall all CA ARCserve Backup components that appear in the Uninstall Components dialog. For example, you must uninstall CA ARCserve Backup Client Agent for Windows, CA ARCserve Backup Agent for Microsoft SQL Server, CA ARCserve Backup Diagnostic Utilities, and so on.

Static Backup

CA ARCserve Backup now lets you perform a static backup so that you can back up only those servers, nodes, and volumes in a source group or a server that you selected at the time of creating the job. Any additions of a server to a source group, or a node or volume to a server after creating a static backup job, are ignored when you run the job.

Documentation Changes

The documentation set for this release includes the following new guides:

UNIX and Linux Data Mover Guide

Describes how you can protect UNIX and Linux file system data and Oracle data using the CA ARCserve Backup UNIX and Linux Data Mover. This guide describes the architecture and installation of the UNIX and Linux Data Mover.

Chapter 3: Resolved User Requests

This section lists the enhancement requests or issues addressed in this release.

This section contains the following topics:

[CA ARCserve Backup Installation Support on Read-Only Domain Controllers](#) (see page 27)

[Compare Media Operation](#) (see page 27)

[Import Tapes from Mail Slots](#) (see page 27)

CA ARCserve Backup Installation Support on Read-Only Domain Controllers

In a read-only domain controller, you can now install CA ARCserve Backup as primary server or stand-alone server, and use a remote CA ARCserve database.

Compare Media Operation

The Compare Media Operation now includes a new option Preserve File Access Time so that you are able to preserve the original file access time and ensure that it is not updated or changed when you run the Compare job.

Import Tapes from Mail Slots

The `ca_devmgr` command line utility provides you with a new *-importall* argument that lets you import tapes found in the library's mail slots into the first available storage slots in the specified library. You can use this command when you want to import tapes from the mail slot, but do not need the tapes to go to any specific storage slots.

Chapter 4: Features Not Supported

This section contains the following topics:

[Features Not Supported in this Release](#) (see page 29)

Features Not Supported in this Release

The following features are not supported in this release:

Agent for Microsoft SharePoint 2003

This release does not support the Agent for Microsoft SharePoint 2003. When you upgrade to this release, setup prompts you to confirm whether you want to uninstall the Agent for Microsoft SharePoint 2003.

Agent for Oracle

This release does not support the Agent for Oracle on Solaris 9 x86 systems.

CA ARCserve Backup Database

This release does not support SQL 7, SQL 2005 Express Edition, and SQL 2000 MSDE (Microsoft Desktop Engine) as the CA ARCserve Backup database.

Integration with BrightStor ARCserve Backup for Laptops & Desktops

In this release, CA ARCserve Backup does not integrate with BrightStor ARCserve Backup for Laptops & Desktops. All jobs comprised of laptop and desktop source data will be skipped.

Backup and Restore Wizards

This release does not include the Backup Wizard and the Restore Wizard. The Backup Manager has been enhanced to include wizard-like functionality.

Capacity-based Licensing Utility

This release does not include the Capacity-based Licensing utility. The Total Protection Size dashboard report now replaces this utility.

IBM Informix Dynamic Server

In this release, CA ARCserve Backup does not support IBM Informix Dynamic Server 9.4.

Installation using Unicenter Software Delivery

You cannot install the CA ARCserve Backup server component and options using Unicenter Software Delivery. You can, however, install CA ARCserve Backup agents using Unicenter Software Delivery.

SQL 2000 MSDE

In this release, the Agent for Microsoft SQL Server does not support backing up and restoring SQL 2000 MSDE databases.

Upgrade from BrightStor ARCserve Backup r9.x or BrightStor Enterprise Backup r10.x

In this release, you cannot upgrade BrightStor ARCserve Backup r9.x and BrightStor Enterprise Backup r10.x implementations to this release. You must upgrade your current implementation to the CA ARCserve Backup r12.5 general availability release, and then upgrade from CA ARCserve Backup r12.5 to this release.

UNIX Agents

This release does not support installing UNIX agents on HP UX 11.22 IA64.

Windows 2000 Support

This release does not support installing the CA ARCserve Backup server component on Windows 2000 Server systems. However, you can protect Windows 2000 Server systems using the CA ARCserve Backup Client Agent for Windows.

Windows XP Support

This release does not support installing the CA ARCserve Backup server component on Windows XP systems. However, you can protect Windows XP systems using the CA ARCserve Backup Client Agent for Windows.