

Features - Support Information

TABLE OF CONTENTS

- **Activity Control**
- **Advanced File System iDataAgent Options**
- **Alerts and Monitoring**
- **Automatic Updates**
- **Auxiliary Copy**
- **Backup/Archive/Replicate**
 - Backup/Archive/Replicate Options
 - Advanced Backup/Archive Options
- **Browse**
- **Cloud Storage**
- **Clustering**
- **Command Line Interface**
 - Command Line Interface - Support
 - Command Line Interface - Support - Specific Commands
- **CommCell Console**
- **CommCell Migration**
- **Content Indexing**
- **Data Aging**
- **Data Compression**
- **Data Encryption**
- **Deconfiguring Agents**
- **Decoupled Install**
- **Deduplication**
- **Erase Backup/Archived Data**
- **Global Filters**
- **Gridstor (Alternate Data Paths)**
- **Installation**
- **Installing 32-bit Components on a Microsoft Windows x64 Platforms**
- **Job Restart**
 - Data Protection
 - Data Recovery
 - Data Collection
- **Languages**
- **List Media**
- **Log Files**
- **MediaAgent**
- **Multi Instancing**
- **Operation Window**
- **Pre/Post Processes**
- **QR Volume Creation**
- **Report Output Options**
- **Restore**
 - Restore/Recover/Retrieve Options
 - Restore/Recover/Retrieve Destinations
 - Overwrite Options
 - Other Options

- **Robust Network Layer**
 - **Schedule Policy**
 - **Scheduling**
 - **SnapProtect Backup**
 - **Snap Mining**
 - **Snapshot Engines**
 - **Splitting CommCells**
 - **Storage Policies**
 - **Storage Policy Copies**
 - **Subclient Policies**
 - **Upgrade**
 - **Backward Compatibility**
 - **User Administration and Security**
 - **VaultTracker and VaultTracker Enterprise**
-

Activity Control - Support

[Topics](#) | [How To](#) | [Support](#) | [Related Topics](#)

This feature is supported by all Agents except Recovery Director.

Activity Control can be enabled or disabled from the following levels in the CommCell Browser:

- CommServe
- Client Computer Group
- Client
- Agent
- Subclient



This feature partially applies to ContinuousDataReplicator (CDR) (both Windows and Unix). The option has control on Recovery Point (RP)/Consistent Recovery Point (CRP) creation and backup, but not on CDR replication jobs.

Advanced File System iDataAgent Options - Support

Topics | Support | Related Topics

The following table lists the Agents that support the various Advanced File System iDataAgent Options.

	AUTOMATIC FILE SYSTEM MULTI-STREAMING	ON DEMAND DATA PROTECTION OPERATION	RESTORE BY JOBS	RESTORE DATA USING A MAP FILE	COMMENTS
BACKUP					
Active Directory					
DB2					
DB2 DPF					
Documentum					
External Data Connector					
Image Level	✓				
Informix					
Lotus Notes Database					
Lotus Notes Document					
Macintosh File System	✓	✓	✓	✓	
Microsoft Data Protection Manager			✓		
Microsoft Exchange Database					
Microsoft Exchange Mailbox					
Microsoft Exchange Public Folder					
Microsoft SharePoint Server		✓			Supported for Database backup sets.
Microsoft SQL Server					
Microsoft Windows File Systems	✓	✓	✓	✓	On Demand Backup Set is not supported for SnapProtect Backup.
MySQL					
NAS	✓	✓		✓	
Novell Directory Service			✓		
Novell GroupWise					
OES File System					
Oracle		✓			For On Demand Data Protection Operations , see On Demand Instances.
Oracle RAC					
PostgreSQL					
ProxyHost	✓				
SAP for MaxDB					
SAP for Oracle					
Sybase					
Unix File Systems	✓	✓	✓	✓	On Demand Backup Set is not supported for SnapProtect Backup.
Workstation Backup					
ARCHIVE					
Domino Mailbox Archiver					
Exchange Compliance Archiver					
Exchange Mailbox Archiver		✓			For On Demand Data Protection Operations , see Advanced Configuration - Exchange Mailbox Archiver Agent.
Exchange Public Folder Archiver					
File Archiver for BlueArc		✓	✓		For On Demand Data Protection Operations , see On Demand File List and On Demand Archive Sets.
File Archiver for Celerra		✓	✓		For On Demand Data Protection Operations , see On Demand File List and

					On Demand Archive Sets.
File Archiver for NetApp		✓	✓		For On Demand Data Protection Operations , see On Demand File List and On Demand Archive Sets.
File Archiver for Unix			✓		
File Archiver for Windows		✓	✓		For On Demand Data Protection Operations , see On Demand File List and On Demand Archive Sets.
Generic File Archiver for NAS		✓	✓		For On Demand Data Protection Operations , see On Demand File List and On Demand Archive Sets.
SharePoint Archiver					
REPLICATION					
ContinuousDataReplicator					
SRM					
SRM Exchange Agent					
SRM for Virtual Server					
SRM NAS Agent					
SRM NetWare Proxy Agent					
SRM Oracle Agent					
SRM SharePoint Agent					
SRM SQL Agent					
SRM UNIX File System Agent					
SRM Windows File System Agent					
VIRTUALIZATION					
Microsoft Hyper-V	✓				
VMware	✓				
LAPTOP					
Laptop Backup (Linux)	✓	✓	✓	✓	On Demand Backup Set is not supported for SnapProtect Backup.
Laptop Backup (Macintosh)	✓	✓	✓	✓	
Laptop Backup (Windows)	✓	✓	✓	✓	On Demand Backup Set is not supported for SnapProtect Backup.

Alerts and Monitoring - Support

[Topics](#) | [How To](#) | [Example](#) | [Support](#) | [Related Topics](#)

The following table lists the Agents and the various Alert options supported by each of these Agents.

*Job-Based Alerts are not supported for EZ Restore operations.

	GLOBAL ALERTS	JOB-BASED ALERTS*	COMMENTS
BACKUP			
Active Directory	✓	✓	
DB2	✓	✓	
DB2 DPF	✓	✓	
Documentum	✓	✓	
External Data Connector			
Image Level	✓	✓	
Informix	✓	✓	
Lotus Notes Database	✓	✓	
Lotus Notes Document	✓	✓	
Macintosh File System	✓	✓	
Microsoft Data Protection Manager	✓	✓	
Microsoft Exchange Database	✓	✓	
Microsoft Exchange Mailbox	✓	✓	
Microsoft Exchange Public Folder	✓	✓	
Microsoft SharePoint Server	✓	✓	
Microsoft SQL Server	✓	✓	
Microsoft Windows File Systems	✓	✓	
MySQL			
NAS	✓	✓	
Novell Directory Service	✓	✓	
Novell GroupWise	✓	✓	
OES File System	✓	✓	
Oracle	✓	✓	
Oracle RAC	✓	✓	
PostgreSQL			
ProxyHost	✓	✓	
SAP for MaxDB	✓	✓	
SAP for Oracle	✓	✓	
Sybase	✓	✓	
Unix File Systems	✓	✓	
Workstation Backup			
ARCHIVE			
Domino Mailbox Archiver	✓	✓	
Exchange Compliance Archiver	✓	✓	
Exchange Mailbox Archiver	✓	✓	
Exchange Public Folder Archiver	✓	✓	
File Archiver for BlueArc	✓	✓	
File Archiver for Celerra	✓	✓	
File Archiver for NetApp	✓	✓	

File Archiver for Unix	✓	✓	
File Archiver for Windows	✓	✓	
Generic File Archiver for NAS	✓	✓	
SharePoint Archiver	✓	✓	
REPLICATION			
ContinuousDataReplicator	✓	✓	
SRM			
SRM Exchange Agent	✓	✓	
SRM for Virtual Server	✓	✓	
SRM NAS Agent	✓	✓	
SRM NetWare Proxy Agent	✓	✓	
SRM Oracle Agent	✓	✓	
SRM SharePoint Agent	✓	✓	
SRM SQL Agent	✓	✓	
SRM UNIX File System Agent	✓	✓	
SRM Windows File System Agent	✓	✓	
VIRTUALIZATION			
Microsoft Hyper-V	✓	✓	
VMware	✓	✓	
LAPTOP			
Laptop Backup (Linux)	✓	✓	
Laptop Backup (Macintosh)	✓	✓	
Laptop Backup (Windows)	✓	✓	

Automatic Updates - Support

The following table lists the Agents and the various clients supported by each of these Agents for Automatic Updates. Additionally, this feature can be implemented in a cluster environment and on a computer with multiple instances.

- Automatic updates is not necessary for Virtual computers in a clustered environment.
- Multicache Configuration requires all associated computers to have the current software version installed. Clients with software released prior to the current version cannot be associated to an update cache.
- If an Agent is configured on a virtual computer, the binaries for that Agent are not installed on the virtual computer, but rather they are installed on the physical computer. Therefore, the Agent would be updated when the physical computer is configured to be updated.

	AUTOMATIC UPDATES	COMMENTS
BACKUP		
Active Directory	✓	
DB2	✓	
DB2 DPF	✓	
Documentum	✓	
External Data Connector		
Image Level	✓	
Informix	✓	
Lotus Notes Database	✓	
Lotus Notes Document	✓	
Macintosh File System	✓	
Microsoft Data Protection Manager	✓	
Microsoft Exchange Database	✓	
Microsoft Exchange Mailbox	✓	Outlook Add-In supports Automatic Updates when installed via "Install from GUI" or when installed with other iDataAgents on the same instance.
Microsoft Exchange Public Folder	✓	
Microsoft SharePoint Server	✓	
Microsoft SQL Server	✓	
Microsoft Windows File Systems	✓	
MySQL	✓	
NAS	✓	
Novell Directory Service	✓	NetWare client computers cannot be designated as update cache computers; see Automatic Updates.
Novell GroupWise	✓	
OES File System	✓	
Oracle	✓	
Oracle RAC	✓	
PostgreSQL	✓	
ProxyHost	✓	
SAP for MaxDB	✓	
SAP for Oracle	✓	
Sybase	✓	
Unix File Systems	✓	
Workstation Backup	✓	
ARCHIVE		
Domino Mailbox Archiver	✓	Lotus Notes Client Add-In supports Automatic Updates when installed via "Install from GUI" or when installed with other iDataAgents on the same instance.
Exchange Compliance	✓	

Archiver		
Exchange Mailbox Archiver	✓	Outlook Add-In supports Automatic Updates when installed via "Install from GUI" or when installed with other iDataAgents on the same instance.
Exchange Public Folder Archiver	✓	Outlook Add-In supports Automatic Updates when installed via "Install from GUI" or when installed with other iDataAgents on the same instance.
File Archiver for BlueArc	✓	
File Archiver for Celerra	✓	
File Archiver for NetApp	✓	
File Archiver for Unix	✓	
File Archiver for Windows	✓	
Generic File Archiver for NAS	✓	
SharePoint Archiver	✓	
REPLICATION		
ContinuousDataReplicator	✓	
SRM		
SRM Exchange Agent	✓	
SRM for Virtual Server	✓	
SRM NAS Agent	✓	
SRM NetWare Proxy Agent	✓	
SRM Oracle Agent	✓	
SRM SharePoint Agent	✓	
SRM SQL Agent	✓	
SRM UNIX File System Agent	✓	
SRM Windows File System Agent	✓	
VIRTUALIZATION		
Microsoft Hyper-V	✓	
VMware	✓	
LAPTOP		
Laptop Backup (Linux)	✓	
Laptop Backup (Macintosh)	✓	
Laptop Backup (Windows)	✓	

Auxiliary Copy - Support

[Topics](#) | [How To](#) | [Troubleshoot](#) | [How Do I](#) | [Support](#) | [Related Topics](#)

AUXILIARY COPY

Auxiliary Copy can be performed between any two MediaAgents, regardless of their Operating System.

Auxiliary Copy operations are not supported for a BlueArc OS 4.1 NAS Client (or previous versions) if the data was backed up to a drive pool attached to the NAS client.

Multi-stream backups of the Microsoft SQL, DB2, DB2 DPF and Sybase agents will be copied during an auxiliary copy operation to a copy that combines streams; however, restore operations may have limitations. See [Browse and Restore](#) for more information.

In order to restore SQL, DB2, DB2 DPF and Sybase agent backups from combined streams of Storage Policy copies, a new Storage Policy copy to disk library must be created and an auxiliary copy should be executed. A restore must be performed from this new copy.

AUXILIARY COPY ENCRYPTION

- Auxiliary copy encryption is not supported for NetWare MediaAgents. If you wish to encrypt NetWare data with auxiliary copy encryption, you must use a Windows or Unix-based MediaAgent.
- Auxiliary copy encryption is supported for NDMP Remote Server data; however, it is not supported for NAS File Server data.
- If the CommServe and MediaAgent have been upgraded to the current release level but the client has not, any restored secondary copy data that was encrypted during an auxiliary copy operation will not be supported until the client is upgraded to the current release level.

See also [Support Information - Storage Policy Copies](#).

Backup/Archive - Support

Topics | Advanced Backup Options | Support | Related Topics

The following table lists the Agents and the various options supported by each of these Agents.

	DIFFERENTIAL BACKUP	FULL BACKUP	INCREMENTAL BACKUP	OTHER BACKUP TYPES	SYNTHETIC FULL BACKUP	COMMENTS
BACKUP						
Active Directory	✓	✓	✓		✓	
DB2		✓	✓			Delta Backup; see Incremental Backups
DB2 DPF		✓	✓			Delta Backup; see Incremental Backups
Documentum		✓	✓			During Incremental backups, only Oracle or DB2 Archive Logs are backed up. FTI backups are always Full.
External Data Connector						
Image Level		✓	✓		✓	
Informix		✓	✓			
Lotus Notes Database		✓	✓			
Lotus Notes Document	✓	✓	✓		✓	
Macintosh File System	✓	✓	✓		✓	
Microsoft Data Protection Manager	✓	✓	✓		✓	
Microsoft Exchange Database	✓	✓	✓			Incremental and Differential backups are available for Pre-Selected Backup Type. SnapProtect Backup
Microsoft Exchange Mailbox	✓	✓	✓		✓	
Microsoft Exchange Public Folder	✓	✓	✓		✓	
Microsoft SharePoint Server	✓	✓	✓		✓	SharePoint Database backup sets support only Full backups. After running the Synthetic Full backup you can only view and restore the latest backed up version for the document.
Microsoft SQL Server	✓	✓				Transaction Log Backups Do Not Truncate Log SnapProtect Backup
Microsoft Windows File Systems	✓	✓	✓		✓	SnapProtect Backup
MySQL	✓	✓	✓			Transaction Log Do Not Truncate Log
NAS	✓	✓	✓			Getting Started - NAS iDataAgent Backup
Novell Directory Service		✓				
Novell GroupWise	✓	✓	✓			
OES File System	✓	✓	✓		✓	
Oracle		✓	✓			
Oracle RAC		✓	✓			
PostgreSQL		✓	✓			Transaction Logs are supported for File System backup.
ProxyHost	✓	✓	✓		✓	
SAP for MaxDB		✓	✓			
SAP for Oracle		✓	✓			SnapProtect Backup
Sybase		✓				Transaction Log Do Not Truncate Log
Unix File Systems	✓	✓	✓		✓	SnapProtect Backup
Workstation Backup		✓	✓			

ARCHIVE						
Domino Mailbox Archiver						When in backup mode, Full Backups, Differential Backups, Incremental Backups, and Synthetic Full Backups are supported.
Exchange Compliance Archiver						
Exchange Mailbox Archiver						
Exchange Public Folder Archiver						
File Archiver for BlueArc						
File Archiver for Celerra						
File Archiver for NetApp						
File Archiver for Unix						
File Archiver for Windows						
Generic File Archiver for NAS						
SharePoint Archiver						
REPLICATION						
ContinuousDataReplicator						Backups of Recovery Points
SRM						
SRM Exchange Agent						
SRM for Virtual Server						
SRM NAS Agent						
SRM NetWare Proxy Agent						
SRM Oracle Agent						
SRM SharePoint Agent						
SRM SQL Agent						
SRM UNIX File System Agent						
SRM Windows File System Agent						
VIRTUALIZATION						
Microsoft Hyper-V	✓	✓	✓		✓	
VMware	✓	✓	✓		✓	
LAPTOP						
Laptop Backup (Linux)	✓	✓	✓		✓	SnapProtect Backup
Laptop Backup (Macintosh)	✓	✓	✓		✓	
Laptop Backup (Windows)	✓	✓	✓		✓	SnapProtect Backup

Advanced Backup/Archive Options - Support

Topics | Advanced Backup Options | Support | Related Topics

The following table lists the Agents and the various advanced options supported by each of these Agents.

Note the following:

- Common options in each tab are displayed in the following table. Additional options for the individual Agents are noted in the NOTES column.
- All options in the Startup, Job Retry and VaultTracking tabs are supported by all agents, unless otherwise stated.

	DATA TAB - CATALOG	DATA TAB - CREATE NEW INDEX	DATA TAB - VERIFY SYNTHETIC FULL	JOB RETRY TAB	MEDIA TAB - ALLOW OTHER SCHEDULE TO USE MEDIA SET	MEDIA TAB - MARK MEDIA FULL ON SUCCESS	MEDIA TAB - RESERVE RESOURCES BEFORE SCAN	MEDIA TAB - START NEW MEDIA	STARTUP TAB	VAULTTRACKING TAB	COMMENT
BACKUP											
Active Directory	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
DB2				✓	✓	✓		✓	✓	✓	
DB2 DPF				✓	✓	✓		✓	✓	✓	
Documentum	✓			✓		✓		✓	✓	✓	
External Data Connector											
Image Level	✓			✓	✓	✓	✓	✓	✓	✓	Additional options in the Media tab <ul style="list-style-type: none"> • Skip Metafile Creation • Release Resources during meta-data collection phase
Informix				✓	✓	✓		✓	✓	✓	
Lotus Notes Database	✓			✓	✓	✓	✓	✓	✓	✓	
Lotus Notes Document	✓			✓	✓	✓	✓	✓	✓	✓	
Macintosh File System	✓	✓		✓	✓	✓	✓	✓	✓	✓	Additional option in the Data tab <ul style="list-style-type: none"> • Backup Mount Points
Microsoft Data Protection Manager	✓	✓		✓		✓		✓	✓	✓	
Microsoft Exchange Database				✓	✓	✓		✓	✓	✓	Data tab Catalog options are supported SnapProtect Backup for agent.
Microsoft Exchange Mailbox	✓	✓		✓	✓	✓		✓	✓	✓	
Microsoft Exchange Public Folder	✓			✓	✓	✓		✓	✓	✓	
Microsoft SharePoint Server	✓			✓	✓	✓		✓	✓	✓	
Microsoft SQL Server	✓			✓	✓	✓		✓	✓	✓	Additional options in the Data tab <ul style="list-style-type: none"> • Start Transaction Log Backup

											<ul style="list-style-type: none"> After Success Backu • Perform Partia Backup Exclud Read-or File Gro • Back up Tail of transact Log • Data ta Catalo options support for SnapPro Backup this age
Microsoft Windows File Systems	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	<p>Additional options in Data tab</p> <ul style="list-style-type: none"> • Back u Moun Point • Back u Remot Storag data* • HotFi informat • Back u Syster Protect Files • Back u WINS a DHCP Service <p>*These options availab for Windov 2003</p>
MySQL	✓			✓	✓	✓		✓	✓	✓	
NAS		✓		✓	✓	✓		✓	✓	✓	Includes several additional options in NAS Optic tab.
Novell Directory Service	✓	✓		✓	✓	✓	✓	✓	✓	✓	
Novell GroupWise				✓	✓	✓		✓	✓	✓	
OES File System	✓	✓		✓	✓	✓	✓	✓	✓	✓	
Oracle	✓			✓	✓	✓		✓	✓	✓	Includes several additional options in Backup Archive Lo Delete Archive Lo Custom RMAN Scri and Orac Options ta
Oracle RAC				✓	✓	✓		✓	✓	✓	Includes several additional options in Backup Archive Lo

													Delete Archive Lo Custom RMAN Scri and Orac Options ta
PostgreSQL				✓		✓		✓	✓		✓		
ProxyHost	✓	✓		✓	✓	✓		✓	✓		✓		
SAP for MaxDB													
SAP for Oracle	✓												Data tab Catalog options al supported SnapProte Backup for agent.
Sybase		✓		✓	✓	✓		✓	✓		✓		
Unix File Systems	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		Additional option in t Data tab <ul style="list-style-type: none"> Follow Moun Point:
Workstation Backup													
ARCHIVE													
Domino Mailbox Archiver	✓	✓		✓	✓	✓		✓	✓		✓		
Exchange Compliance Archiver	✓	✓		✓	✓	✓		✓	✓		✓		
Exchange Mailbox Archiver	✓	✓		✓	✓	✓		✓	✓		✓		
Exchange Public Folder Archiver	✓	✓		✓	✓	✓		✓	✓		✓		
File Archiver for BlueArc	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		
File Archiver for Celerra	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		
File Archiver for NetApp	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		
File Archiver for Unix	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		
File Archiver for Windows	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		
Generic File Archiver for NAS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		
SharePoint Archiver	✓	✓		✓	✓	✓		✓	✓		✓		
REPLICATION													
ContinuousDataReplicator													
SRM													
SRM Exchange Agent													
SRM for Virtual Server													
SRM NAS Agent													
SRM NetWare Proxy Agent													
SRM Oracle Agent													
SRM SharePoint Agent													
SRM SQL Agent													
SRM UNIX File System Agent													
SRM Windows File System Agent													
VIRTUALIZATION													
Microsoft Hyper-V	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		
VMware	✓			✓	✓	✓	✓	✓	✓	✓	✓		
LAPTOP													
Laptop Backup (Linux)													Additional

	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	option in t Data tab <ul style="list-style-type: none"> • Follow Moun Point:
Laptop Backup (Macintosh)	✓	✓		✓	✓	✓	✓	✓	✓	✓	Additional option in t Data tab <ul style="list-style-type: none"> • Backu Moun Point:
Laptop Backup (Windows)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Additional options in l Data tab <ul style="list-style-type: none"> • Back u Moun Point: • Back u Remot Stora data* • HotFi informat • Back u Syster Protect Files • Back u WINS a DHCP Service <p>*Thes options availab for Windov 2003</p>

Browse Data - Support

Topics | How To | Examples | Support | Related Topics

The following table lists the Agents and the various browse options and features supported by each of these Agents.

	BROWSE FROM COPY PRECEDENCE	BROWSE THE LATEST DATA	EXCLUDE DATA BEFORE	FIND	FULL BACKUP TRANSPARENT BROWSE	IMAGE BROWSE	NO IMAGE BROWSE	PAGE SIZE	SPECIFY BROWSE PATH	SPECIFY BROWSE TIME	SUBCLIENT BROWSE	USE MEDIAAG
BACKUP												
Active Directory	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
DB2	✓	✓	✓							✓		✓
DB2 DPF	✓	✓	✓							✓		✓
Documentum	✓	✓		✓			✓			✓	✓	✓
External Data Connector												
Image Level	✓	✓				✓		✓		✓		✓
Informix	✓	✓	✓							✓		
Lotus Notes Database	✓	✓	✓			✓				✓	✓	✓
Lotus Notes Document	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓
Macintosh File System	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Microsoft Data Protection Manager	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
Microsoft Exchange Database	✓	✓	✓				✓			✓		✓
Microsoft Exchange Mailbox	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓
Microsoft Exchange Public Folder	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓
Microsoft SharePoint Server	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓
Microsoft SQL Server	✓	✓	✓							✓		
Microsoft Windows File Systems	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MySQL	✓	✓	✓			✓				✓	✓	✓
NAS	✓	✓	✓	✓	✓						✓	
Novell Directory Service	✓	✓	✓	✓		✓	✓			✓	✓	✓
Novell GroupWise	✓	✓	✓							✓		✓
OES File System	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
Oracle	✓	✓				✓	✓	✓		✓	✓	✓
Oracle RAC	✓	✓	✓							✓		✓
PostgreSQL		✓										✓
ProxyHost	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
SAP for MaxDB												
SAP for Oracle	✓	✓	✓							✓		✓
Sybase	✓	✓	✓							✓		
Unix File Systems											✓	

	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Workstation Backup		✓								✓		
ARCHIVE												
Domino Mailbox Archiver	✓	✓	✓	✓			✓	✓		✓	✓	✓
Exchange Compliance Archiver	✓	✓	✓	✓			✓	✓		✓	✓	✓
Exchange Mailbox Archiver	✓	✓	✓	✓			✓	✓		✓	✓	✓
Exchange Public Folder Archiver	✓	✓	✓	✓			✓	✓		✓	✓	✓
File Archiver for BlueArc	✓	✓	✓	✓			✓	✓		✓		✓
File Archiver for Celerra	✓	✓	✓	✓			✓	✓		✓		✓
File Archiver for NetApp	✓	✓	✓	✓			✓	✓		✓		✓
File Archiver for Unix	✓	✓	✓	✓			✓	✓		✓	✓	✓
File Archiver for Windows	✓	✓	✓	✓			✓	✓		✓	✓	✓
Generic File Archiver for NAS	✓	✓	✓	✓			✓	✓		✓		✓
SharePoint Archiver	✓	✓	✓	✓			✓	✓		✓	✓	✓
REPLICATION												
ContinuousDataReplicator												
SRM												
SRM Exchange Agent												
SRM for Virtual Server												
SRM NAS Agent												
SRM NetWare Proxy Agent												
SRM Oracle Agent												
SRM SharePoint Agent												
SRM SQL Agent												
SRM UNIX File System Agent												
SRM Windows File System Agent												
VIRTUALIZATION												
Microsoft Hyper-V	✓	✓			✓					✓	✓	✓
VMware	✓	✓		✓				✓		✓	✓	✓
LAPTOP												
Laptop Backup (Linux)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Laptop Backup (Macintosh)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Laptop Backup (Windows)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Cloud Storage - Support

Topics | Configure | How To | Tools | Support | Related Topics

Supported MediaAgents

Supported Devices

SUPPORTED MEDIAAGENTS

See MediaAgents - Supported Features, Agents and Devices for supported MediaAgents.

SUPPORTED DEVICES

The following cloud storage devices are supported:

Cloud Storage Product	Details
Amazon S3	http://aws.amazon.com/s3 For other regions and end points, see http://docs.aws.amazon.com/general/latest/gr/rande.html#s3_region
AT&T Synaptic Storage	https://www.synaptic.att.com/clouduser/services_storage.htm
Caringo CASTor	http://www.caringo.com/
Dell DX Object Storage Platform	http://www.dell.com/us/business/p/powervault-dx6012s/pd http://content.dell.com/us/en/enterprise/cloud-computing.aspx
EMC Atmos	http://www.emc.com/products/detail/software/atmos.htm
HDS Hitachi Content Platform	http://www.hds.com/products/storage-systems/content-platform/ http://www.hds.com/solutions/storage-strategies/cloud/
Microsoft Azure Storage	http://www.microsoft.com/azure/windowsazure.mspix
Nirvanix MFS	http://www.nirvanix.com/how-to-buy/index.aspx
OpenStack Object Storage	http://www.openstack.org/
Rackspace Cloud Files	http://www.rackspacecloud.com/

Also, the following vendors are supported which use Amazon S3 Interface:

Scality	http://www.scality.com/
Mezeo	http://www.mezeo.com/platform
Huawei UDS Massive Storage System	http://www.huawei.com/en/

Clustering - Support

Topics | Windows Cluster | Unix Cluster | NetWare Cluster | Troubleshoot | Support

The following table lists the supported cluster types for each component.

For Unix operating systems, AIX HACMP, HP ServiceGuard, Linux, Sun Solaris, Tru64 and Veritas clusters are supported.

In general, clusters are supported if the operating system supports clustering. Hence, this list does not include information on specific cluster versions or operating systems.

	NETWARE CLUSTER	UNIX CLUSTER	WINDOWS - MICROSOFT CLUSTER (MSCS)	WINDOWS - NON-MICROSOFT CLUSTER	COMMENTS
BACKUP					
Active Directory					
DB2		✓	✓		
DB2 DPF					
Documentum					
External Data Connector					
Image Level			✓	✓	Non-Microsoft Cluster on Windows supports VERITAS Cluster
Informix		✓			
Lotus Notes Database					
Lotus Notes Document					
Macintosh File System					
Microsoft Data Protection Manager					
Microsoft Exchange Database			✓	✓	Microsoft Cluster supports Geo-Dispersed Cluster Non-Microsoft Cluster supports VERITAS Cluster
Microsoft Exchange Mailbox			✓	✓	Non-Microsoft Cluster on Windows supports VERITAS Cluster
Microsoft Exchange Public Folder			✓		
Microsoft SharePoint Server					
Microsoft SQL Server			✓	✓	Microsoft Cluster supports Geo-Dispersed Cluster Non-Microsoft Cluster supports VERITAS Cluster and HP Scalable NAS/PolyServe Cluster
Microsoft Windows File Systems			✓	✓	Non-Microsoft Cluster supports VERITAS Cluster and HP Scalable NAS/PolyServe Cluster
MySQL		✓			Linux cluster is supported. Other Unix flavors and Windows Clusters are not supported.
NAS					
Novell Directory Service					
Novell GroupWise	✓				
OES File System		✓			
Oracle		✓	✓		
Oracle RAC					Oracle RAC uses its own clustering technology; therefore, it does not depend on operating system-level clusters.
PostgreSQL					
ProxyHost		✓	✓		
SAP for MaxDB		✓	✓		
SAP for Oracle		✓	✓		
Sybase		✓			
Unix File Systems		✓			AIX, HP-UX, Linux and Solaris support VERITAS Cluster
Workstation Backup					
ARCHIVE					

Domino Mailbox Archiver					
Exchange Compliance Archiver			✓	✓	Non-Microsoft Cluster on Windows supports VERITAS Cluster
Exchange Mailbox Archiver			✓	✓	Non-Microsoft Cluster supports VERITAS Cluster (Outlook Add-In, WebProxy Agent for Exchange, and OWA Proxy Enabler are also supported)
Exchange Public Folder Archiver			✓	✓	Non-Microsoft Cluster on Windows supports VERITAS Cluster
File Archiver for BlueArc			✓	✓	
File Archiver for Celerra			✓	✓	
File Archiver for NetApp			✓	✓	
File Archiver for Unix		✓			Stubs created in mixed-mode clusters are not supported
File Archiver for Windows			✓	✓	Microsoft cluster and Non-Microsoft Cluster supports VERITAS Cluster and HP Scalable NAS/PolyServe Cluster. For more information, see Configuring Polyserve Cluster for Restoring Stubs Residing on the PolyServe File System
Generic File Archiver for NAS			✓	✓	
SharePoint Archiver					
REPLICATION					
ContinuousDataReplicator		✓	✓		For Unix, cluster is supported on Source Volumes.
SRM					
SRM Exchange Agent			✓		
SRM for Virtual Server			✓		
SRM NAS Agent					
SRM NetWare Proxy Agent	✓				
SRM Oracle Agent			✓		
SRM SharePoint Agent					
SRM SQL Agent			✓		
SRM UNIX File System Agent		✓			
SRM Windows File System Agent			✓		
VIRTUALIZATION					
Microsoft Hyper-V			✓		In a Hyper-V cluster, virtual machines are protected by installing the Virtual Server iDataAgent on all physical nodes of the cluster.
VMware					
LAPTOP					
Laptop Backup (Linux)					
Laptop Backup (Macintosh)					
Laptop Backup (Windows)					

Command Line Interface - Support

Topics | QCommands | Save As Script | QScripts | QAPI Developers Guide | How To | Troubleshoot | Support | Related Topics

The following table lists the agents and if Command Line Interface is supported by each of these agents.

	COMMAND LINE INTERFACE	COMMENTS
BACKUP		
Active Directory	✓	
DB2	✓	
DB2 DPF	✓	
Documentum		
External Data Connector		
Image Level	✓	
Informix	✓	
Lotus Notes Database	✓	
Lotus Notes Document	✓	
Macintosh File System	✓	
Microsoft Data Protection Manager	✓	
Microsoft Exchange Database	✓	
Microsoft Exchange Mailbox	✓	
Microsoft Exchange Public Folder	✓	
Microsoft SharePoint Server	✓	
Microsoft SQL Server	✓	<p>Qcreate backupset and Qdelete backupset are not supported.</p> <p>An out-of-place restore is supported using Save as Script. For more information, refer to Command Line Interface</p>
Microsoft Windows File Systems	✓	
MySQL	✓	
NAS	✓	
Novell Directory Service	✓	
Novell GroupWise	✓	
OES File System	✓	
Oracle	✓	
Oracle RAC	✓	
PostgreSQL	✓	
ProxyHost	✓	
SAP for MaxDB	✓	
SAP for Oracle	✓	
Sybase	✓	
Unix File Systems	✓	
Workstation Backup	✓	
ARCHIVE		
Domino Mailbox Archiver	✓	
Exchange Compliance Archiver	✓	
Exchange Mailbox Archiver	✓	
Exchange Public Folder Archiver	✓	
File Archiver for BlueArc		
File Archiver for Celerra		

File Archiver for NetApp		
File Archiver for Unix	✓	
File Archiver for Windows		
Generic File Archiver for NAS		
SharePoint Archiver	✓	
REPLICATION		
ContinuousDataReplicator	✓	Command Line Interface does not support Disk Library Replication
SRM		
SRM Exchange Agent		
SRM for Virtual Server		
SRM NAS Agent		
SRM NetWare Proxy Agent		
SRM Oracle Agent		
SRM SharePoint Agent		
SRM SQL Agent		
SRM UNIX File System Agent		
SRM Windows File System Agent		
VIRTUALIZATION		
Microsoft Hyper-V	✓	
VMware	✓	
LAPTOP		
Laptop Backup (Linux)	✓	
Laptop Backup (Macintosh)	✓	
Laptop Backup (Windows)	✓	

Command Line Interface - Support - Specific Commands

Topics | QCommands | Save As Script | QScripts | QAPI Developers Guide | How To | Troubleshoot | Support | Related Topics

The following table indicates support for those commands that only work with certain Agents.

Note: Commands not listed below are supported on all Agents, or will run irrespective of the Agent type.

	QCREATE - BACKUP SET/SUBCLIENT	QCREATE - INSTANCE	QDELETE - BACKUP SET/SUBCLIENT	QDELETE - CLIENT/AGENT	QLIST GLOBALFILTER	QMODIFY - INSTANCE	QOPERATION - BACKUP	QOPERATION - MOVE	QO -
BACKUP									
Active Directory				✓			✓		
DB2		✓		✓			✓		
DB2 DPF				✓			✓		
Documentum			✓	✓					
External Data Connector									
Image Level				✓			✓		
Informix				✓			✓		
Lotus Notes Database				✓			✓		
Lotus Notes Document				✓			✓		
Macintosh File System	✓		✓	✓	✓		✓		
Microsoft Data Protection Manager							✓		
Microsoft Exchange Database	✓		✓	✓			✓		
Microsoft Exchange Mailbox				✓			✓		
Microsoft Exchange Public Folder				✓			✓		
Microsoft SharePoint Server	✓			✓					
Microsoft SQL Server	✓	✓	✓	✓			✓		
Microsoft Windows File Systems	✓		✓	✓	✓		✓		
MySQL			✓	✓	✓		✓		
NAS	✓		✓				✓		
Novell Directory Service				✓			✓		
Novell GroupWise				✓			✓		

OES File System	✓		✓	✓		✓	
Oracle	✓	✓	✓	✓		✓	✓
Oracle RAC				✓			
PostgreSQL			✓	✓	✓		✓
ProxyHost							✓
SAP for MaxDB				✓			
SAP for Oracle	✓	✓		✓		✓	✓
Sybase			✓	✓			✓
Unix File Systems	✓		✓	✓	✓		✓
Workstation Backup							

ARCHIVE

Domino Mailbox Archiver				✓			✓
Exchange Compliance Archiver				✓			✓
Exchange Mailbox Archiver				✓			✓
Exchange Public Folder Archiver				✓			✓
File Archiver for BlueArc				✓			✓
File Archiver for Celerra				✓			✓
File Archiver for NetApp				✓			✓
File Archiver for Unix				✓			✓
File Archiver for Windows				✓			✓
Generic File Archiver for NAS				✓			✓
SharePoint Archiver	✓			✓			✓

REPLICATION

ContinuousDataReplicator							
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SRM

SRM Exchange Agent							
SRM for Virtual Server							
SRM NAS Agent							
SRM NetWare Proxy Agent							
SRM Oracle Agent							
SRM SharePoint Agent							
SRM SQL Agent							
SRM UNIX File System Agent							
SRM Windows File System Agent							

VIRTUALIZATION

Microsoft Hyper-V	✓		✓	✓			✓
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VMware	✓		✓	✓			✓		
LAPTOP									
Laptop Backup (Linux)	✓		✓	✓	✓		✓		
Laptop Backup (Macintosh)	✓		✓	✓	✓		✓		
Laptop Backup (Windows)	✓		✓	✓	✓		✓		

CommCell Console - Support

Basic | Advanced | Support | Related Topics

The following table lists the platforms supported by the CommCell Console as a stand-alone application or as a remote web-based application.

For information on the supported platforms, refer to System Requirements - CommCell Console as Stand-Alone Application and System Requirements - CommCell Console as a Remote Web-Based Application.

See also Languages - Support.

PLATFORM	COMMCELL CONSOLE AS STAND-ALONE APPLICATION	COMMCELL CONSOLE AS A REMOTE WEB-BASED APPLICATION
AIX		✓
HP-UX		✓
Linux	✓	✓
Macintosh	✓	✓
Microsoft Windows	✓	✓
Solaris		✓

CommCell Migration - Support

Basic | Advanced | Support

The following table shows which agents support CommCell Migration.

Note the following:

- CommCell Migration is not supported for CommNet.

	COMMCELL MIGRATION	COMMENTS
BACKUP		
Active Directory	✓	
DB2	✓	
DB2 DPF	✓	
Documentum	✓	
External Data Connector		
Image Level	✓	
Informix	✓	
Lotus Notes Database	✓	
Lotus Notes Document	✓	
Macintosh File System	✓	
Microsoft Data Protection Manager	✓	
Microsoft Exchange Database	✓	CommCell Migration is not supported with SnapProtect backup when using Data Replicator snapshot engine.
Microsoft Exchange Mailbox	✓	
Microsoft Exchange Public Folder	✓	
Microsoft SharePoint Server	✓	CommCell Migration is not supported for SharePoint Search Connector.
Microsoft SQL Server	✓	CommCell Migration is not supported with SnapProtect backup when using Data Replicator snapshot engine.
Microsoft Windows File Systems	✓	<ul style="list-style-type: none"> • CommCell Migration is not supported with SnapProtect backup when using Data Replicator snapshot engine. • CommCell Migration supports Browse and Restore, and recall of stubs operations for OnePass Agent. However new backups are not supported for OnePass Agent.
MySQL	✓	
NAS	✓	
Novell Directory Service	✓	
Novell GroupWise	✓	
OES File System	✓	
Oracle	✓	CommCell Migration is not supported with SnapProtect backup when using Data Replicator snapshot engine.
Oracle RAC		
PostgreSQL	✓	
ProxyHost	✓	
SAP for MaxDB	✓	
SAP for Oracle	✓	
Sybase	✓	
Unix File Systems	✓	CommCell Migration is not supported for Unix Tru64 32-bit File System and for SnapProtect backups using Data Replicator storage arrays. CommCell Migration supports Browse and Restore, and recall of stubs but no new backups for OnePass.
Workstation Backup	✓	
ARCHIVE		
Domino Mailbox Archiver	✓	

Exchange Compliance Archiver	✓	
Exchange Mailbox Archiver	✓	
Exchange Public Folder Archiver	✓	
File Archiver for BlueArc		
File Archiver for Celerra		
File Archiver for NetApp		
File Archiver for Unix	✓	
File Archiver for Windows		
Generic File Archiver for NAS	✓	
SharePoint Archiver	✓	CommCell Migration is not supported for SharePoint Search Connector.
REPLICATION		
ContinuousDataReplicator		
SRM		
SRM Exchange Agent		
SRM for Virtual Server		
SRM NAS Agent		
SRM NetWare Proxy Agent		
SRM Oracle Agent		
SRM SharePoint Agent		
SRM SQL Agent		
SRM UNIX File System Agent		
SRM Windows File System Agent		
VIRTUALIZATION		
Microsoft Hyper-V	✓	
VMware	✓	
LAPTOP		
Laptop Backup (Linux)	✓	CommCell Migration is not supported for Unix Tru64 32-bit File System and for SnapProtect backups using Data Replicator storage arrays. CommCell Migration supports Browse and Restore, and recall of stubs but no new backups for OnePass.
Laptop Backup (Macintosh)	✓	
Laptop Backup (Windows)	✓	<ul style="list-style-type: none"> CommCell Migration is not supported with SnapProtect backup when using Data Replicator snapshot engine. CommCell Migration supports Browse and Restore, and recall of stubs operations for OnePass Agent. However new backups are not supported for OnePass Agent.

Content Indexing - Support

Topics | Support

The following table lists the Agents that support the various types of Content Indexing.

Related Topics:

- System Requirements - Content Indexing Engine
- Supported Document Formats
- MediaAgents - Supported Features, Agents and Devices for information on supported MediaAgents for Offline Content Indexing.

Additional Notes:

- If data is encrypted using a pass phrase, content indexing will not be supported.

	OFFLINE CONTENT INDEXING	COMMENTS
BACKUP		
Active Directory		
DB2		
DB2 DPF		
Documentum	✓	
External Data Connector		
Image Level		
Informix		
Lotus Notes Database		
Lotus Notes Document	✓	Offline Content Indexing is supported on Unix platforms.
Macintosh File System	✓	
Microsoft Data Protection Manager		
Microsoft Exchange Database		
Microsoft Exchange Mailbox	✓	
Microsoft Exchange Public Folder	✓	
Microsoft SharePoint Server	✓	Offline Content Indexing is supported for SharePoint Document. Offline Content Indexing is not supported for SharePoint Database.
Microsoft SQL Server		
Microsoft Windows File Systems	✓	
MySQL		
NAS	✓	Content indexing jobs of NAS NDMP data do not support multi streams and End User Search. Offline Content Indexing is supported on NetApp and Celerra file servers. BlueArc is not supported.
Novell Directory Service		
Novell GroupWise		
OES File System		
Oracle		
Oracle RAC		
PostgreSQL		
ProxyHost		
SAP for MaxDB		
SAP for Oracle		
Sybase		
Unix File Systems	✓	
Workstation Backup		
ARCHIVE		
Domino Mailbox Archiver	✓	Offline Content Indexing is supported for Lotus Notes emails.
Exchange Compliance Archiver	✓	

Exchange Mailbox Archiver	✓	
Exchange Public Folder Archiver	✓	
File Archiver for BlueArc	✓	
File Archiver for Celerra	✓	
File Archiver for NetApp	✓	
File Archiver for Unix	✓	
File Archiver for Windows	✓	
Generic File Archiver for NAS	✓	
SharePoint Archiver	✓	
REPLICATION		
ContinuousDataReplicator		
SRM		
SRM Exchange Agent		
SRM for Virtual Server		
SRM NAS Agent		
SRM NetWare Proxy Agent		
SRM Oracle Agent		
SRM SharePoint Agent		
SRM SQL Agent		
SRM UNIX File System Agent		
SRM Windows File System Agent		
VIRTUALIZATION		
Microsoft Hyper-V		
VMware		
LAPTOP		
Laptop Backup (Linux)	✓	
Laptop Backup (Macintosh)	✓	
Laptop Backup (Windows)	✓	

Data Aging - Support

Getting Started | **Advanced** | Troubleshooting | FAQ | Support

The following table lists the Agents and the various Data Aging options supported by each of these Agents.

	BASIC RETENTION RULES	EXTENDED RETENTION RULES	UNIQUE DATA AGING RULES	COMMENTS
BACKUP				
Active Directory	✓	✓		
DB2	✓	✓	✓	Extended Retention Rules are supported for offline/online fulls.
DB2 DPF	✓		✓	Extended Retention Rules are supported for offline/online fulls.
Documentum	✓	✓	✓	
External Data Connector				
Image Level	✓	✓		
Informix	✓	✓	✓	
Lotus Notes Database	✓	✓	✓	
Lotus Notes Document	✓	✓		
Macintosh File System	✓	✓		
Microsoft Data Protection Manager	✓	✓		
Microsoft Exchange Database	✓	✓		
Microsoft Exchange Mailbox	✓	✓		
Microsoft Exchange Public Folder	✓	✓		
Microsoft SharePoint Server	✓	✓		
Microsoft SQL Server	✓	✓	✓	For the Microsoft SQL Server iDataAgents, data backed up through file/file group subclients cannot be pruned through extended retention rules.
Microsoft Windows File Systems	✓	✓		
MySQL	✓	✓		
NAS	✓	✓		
Novell Directory Service	✓	✓		
Novell GroupWise	✓	✓		
OES File System	✓	✓		
Oracle	✓	✓	✓	Extended Retention Rules are supported for offline/selective online fulls.
Oracle RAC	✓	✓	✓	Extended Retention Rules are supported for offline/selective online fulls.
PostgreSQL	✓			
ProxyHost	✓	✓		
SAP for MaxDB	✓	✓	✓	Extended Retention Rules are supported for offline/selective online fulls.
SAP for Oracle	✓	✓	✓	Extended Retention Rules are supported for offline/selective online fulls.
Sybase	✓	✓	✓	
Unix File Systems	✓	✓		
Workstation Backup				
ARCHIVE				
Domino Mailbox Archiver	✓			
Exchange Compliance Archiver	✓			
Exchange Mailbox Archiver	✓			
Exchange Public Folder Archiver	✓			

File Archiver for BlueArc	✓			
File Archiver for Celerra	✓			
File Archiver for NetApp	✓			
File Archiver for Unix	✓			
File Archiver for Windows	✓			
Generic File Archiver for NAS	✓			
SharePoint Archiver	✓			
REPLICATION				
ContinuousDataReplicator				Destination Volumes and Recovery Points for CDR cannot be Aged. Replication Logs are deleted by the system after replay. Recovery Points are pruned based on the Maximum Number setting.
SRM				
SRM Exchange Agent				
SRM for Virtual Server				
SRM NAS Agent				
SRM NetWare Proxy Agent				
SRM Oracle Agent				
SRM SharePoint Agent				
SRM SQL Agent				
SRM UNIX File System Agent				
SRM Windows File System Agent				
VIRTUALIZATION				
Microsoft Hyper-V	✓	✓		
VMware	✓	✓		
LAPTOP				
Laptop Backup (Linux)	✓	✓		
Laptop Backup (Macintosh)	✓	✓		
Laptop Backup (Windows)	✓	✓		

Data Compression - Support

Topics | How To | Support | Related Topics

The following table lists the types of data compression supported by each Agent.

	CLIENT COMPRESSION	HARDWARE COMPRESSION	MEDIAAGENT COMPRESSION	COMMENTS
BACKUP				
Active Directory	✓	✓	✓	
DB2	✓	✓	✓	
DB2 DPF	✓	✓	✓	
Documentum	✓	✓	✓	
External Data Connector				
Image Level	✓	✓	✓	
Informix	✓	✓	✓	
Lotus Notes Database	✓	✓	✓	
Lotus Notes Document	✓	✓	✓	
Macintosh File System	✓	✓	✓	
Microsoft Data Protection Manager	✓	✓	✓	
Microsoft Exchange Database	✓	✓	✓	
Microsoft Exchange Mailbox	✓	✓	✓	
Microsoft Exchange Public Folder	✓	✓	✓	
Microsoft SharePoint Server	✓	✓	✓	
Microsoft SQL Server	✓	✓	✓	
Microsoft Windows File Systems	✓	✓	✓	
MySQL	✓		✓	
NAS		✓	✓	
Novell Directory Service	✓	✓	✓	See: Important Considerations
Novell GroupWise	✓	✓	✓	
OES File System	✓	✓	✓	
Oracle	✓	✓	✓	
Oracle RAC	✓	✓	✓	
PostgreSQL	✓		✓	
ProxyHost	✓	✓	✓	
SAP for MaxDB	✓	✓	✓	
SAP for Oracle	✓	✓	✓	
Sybase	✓	✓	✓	
Unix File Systems	✓	✓	✓	
Workstation Backup	✓			
ARCHIVE				
Domino Mailbox Archiver	✓	✓	✓	
Exchange Compliance Archiver	✓	✓	✓	
Exchange Mailbox Archiver	✓	✓	✓	
Exchange Public Folder Archiver	✓	✓	✓	
File Archiver for BlueArc	✓	✓	✓	
File Archiver for Celerra	✓	✓	✓	
File Archiver for NetApp	✓	✓	✓	
File Archiver for Unix	✓	✓	✓	

File Archiver for Windows	✓	✓	✓	
Generic File Archiver for NAS	✓	✓	✓	
SharePoint Archiver	✓	✓	✓	
REPLICATION				
ContinuousDataReplicator	✓			See Replication Compression
SRM				
SRM Exchange Agent				
SRM for Virtual Server				
SRM NAS Agent				
SRM NetWare Proxy Agent				
SRM Oracle Agent				
SRM SharePoint Agent				
SRM SQL Agent				
SRM UNIX File System Agent				
SRM Windows File System Agent				
VIRTUALIZATION				
Microsoft Hyper-V	✓	✓	✓	
VMware	✓	✓	✓	
LAPTOP				
Laptop Backup (Linux)	✓	✓	✓	
Laptop Backup (Macintosh)	✓	✓	✓	
Laptop Backup (Windows)	✓	✓	✓	

Data Encryption - Support

Topics | How To | Support | Related Topics

The following table lists the supported components and the various options supported by each of these Agents.

	DATA ENCRYPTION SUPPORT	THIRD-PARTY COMMAND LINE ENCRYPTION SUPPORT	COMMENTS
BACKUP			
Active Directory	✓		
DB2	✓	✓	
DB2 DPF	✓	✓	
Documentum	✓		
External Data Connector			
Image Level	✓		
Informix	✓	✓	
Lotus Notes Database	✓		
Lotus Notes Document	✓		
Macintosh File System	✓		
Microsoft Data Protection Manager	✓		
Microsoft Exchange Database	✓		
Microsoft Exchange Mailbox	✓		
Microsoft Exchange Public Folder	✓		
Microsoft SharePoint Server	✓		
Microsoft SQL Server	✓		
Microsoft Windows File Systems	✓		
MySQL	✓		
NAS	✓		Data encryption is supported when backup operations are configured to utilize a MediaAgent with NDMP Remote Server.
Novell Directory Service	✓		NetWare Client and MediaAgents do not support the new data encryption algorithms.
Novell GroupWise	✓		
OES File System	✓		
Oracle	✓	✓	
Oracle RAC	✓	✓	
PostgreSQL	✓		
ProxyHost	✓		
SAP for MaxDB		✓	
SAP for Oracle	✓	✓	
Sybase	✓		
Unix File Systems	✓		
Workstation Backup	✓		Data Encryption is supported on Replication Sets . See Replication Encryption.
ARCHIVE			
Domino Mailbox Archiver	✓		
Exchange Compliance Archiver	✓		
Exchange Mailbox Archiver	✓		
Exchange Public Folder Archiver	✓		
File Archiver for BlueArc	✓		

File Archiver for Celerra	✓		
File Archiver for NetApp	✓		
File Archiver for Unix	✓		
File Archiver for Windows	✓		
Generic File Archiver for NAS	✓		
SharePoint Archiver	✓		
REPLICATION			
ContinuousDataReplicator	✓		See Replication Encryption.
SRM			
SRM Exchange Agent			
SRM for Virtual Server			
SRM NAS Agent			
SRM NetWare Proxy Agent			
SRM Oracle Agent			
SRM SharePoint Agent			
SRM SQL Agent			
SRM UNIX File System Agent			
SRM Windows File System Agent			
VIRTUALIZATION			
Microsoft Hyper-V	✓		
VMware	✓		
LAPTOP			
Laptop Backup (Linux)	✓		
Laptop Backup (Macintosh)	✓		
Laptop Backup (Windows)	✓		

Deconfiguring Agents - Support

[Topics](#) | [How To](#) | [Support](#) | [Related Topics](#)

This feature is supported by all Agents.

The following objects in the CommCell Browser can be deconfigured:

- Client
 - Agent
 - MediaAgent
 - Instance
-

Deduplication - Support

The following table lists the Agents that support Deduplication.

	MEDIAAGENT DEDUPLICATION	SOURCE DEDUPLICATION	COMMENTS
BACKUP			
Active Directory			
DB2	✓	✓	
DB2 DPF	✓	✓	
Documentum	✓	✓	
External Data Connector			
Image Level	✓	✓	
Informix	✓	✓	
Lotus Notes Database	✓	✓	
Lotus Notes Document	✓	✓	
Macintosh File System	✓		
Microsoft Data Protection Manager	✓	✓	
Microsoft Exchange Database	✓	✓	
Microsoft Exchange Mailbox	✓	✓	
Microsoft Exchange Public Folder	✓	✓	
Microsoft SharePoint Server	✓	✓	
Microsoft SQL Server	✓	✓	
Microsoft Windows File Systems	✓	✓	
MySQL	✓	✓	
NAS	✓		See FAQ - Deduplication to Disk for deduplication of NAS backups.
Novell Directory Service			
Novell GroupWise	✓	✓	
OES File System	✓	✓	
Oracle	✓	✓	
Oracle RAC	✓	✓	
PostgreSQL	✓	✓	
ProxyHost	✓	✓	
SAP for MaxDB			
SAP for Oracle	✓	✓	
Sybase	✓	✓	
Unix File Systems	✓	✓	
Workstation Backup			
ARCHIVE			
Domino Mailbox Archiver	✓	✓	
Exchange Compliance Archiver	✓	✓	
Exchange Mailbox Archiver	✓	✓	
Exchange Public Folder Archiver	✓	✓	
File Archiver for BlueArc	✓	✓	
File Archiver for Celerra	✓	✓	
File Archiver for NetApp	✓	✓	
File Archiver for Unix	✓	✓	
File Archiver for Windows	✓	✓	
Generic File Archiver for			

NAS	✓	✓	
SharePoint Archiver	✓	✓	
REPLICATION			
ContinuousDataReplicator			
SRM			
SRM Exchange Agent			
SRM for Virtual Server			
SRM NAS Agent			
SRM NetWare Proxy Agent			
SRM Oracle Agent			
SRM SharePoint Agent			
SRM SQL Agent			
SRM UNIX File System Agent			
SRM Windows File System Agent			
VIRTUALIZATION			
Microsoft Hyper-V	✓	✓	
VMware	✓	✓	
LAPTOP			
Laptop Backup (Linux)	✓	✓	
Laptop Backup (Macintosh)	✓		
Laptop Backup (Windows)	✓	✓	

Erase Backup/Archived Data - Support

The following table lists the Agents that support erasing backup/archived data and stubs.

	ERASE DATA BY BROWSING	ERASE STUBS	COMMENTS
BACKUP			
Active Directory			
DB2			
DB2 DPF			
Documentum			
External Data Connector			
Image Level			
Informix			
Lotus Notes Database			
Lotus Notes Document	✓		See Lotus Notes (Document) for more information.
Macintosh File System			
Microsoft Data Protection Manager			
Microsoft Exchange Database			
Microsoft Exchange Mailbox	✓		See Microsoft Exchange Mailbox for more information.
Microsoft Exchange Public Folder	✓		See Microsoft Exchange Public Folder for more information.
Microsoft SharePoint Server	✓		See Microsoft SharePoint Server for more information. Erase Backup Data is supported for SharePoint Document. Erase Backup Data is not supported for SharePoint Database.
Microsoft SQL Server			
Microsoft Windows File Systems	✓		See Microsoft Windows File System for more information.
MySQL			
NAS			
Novell Directory Service			
Novell GroupWise			
OES File System	✓		See OES File System for more information.
Oracle			
Oracle RAC			
PostgreSQL			
ProxyHost			
SAP for MaxDB			
SAP for Oracle			
Sybase			
Unix File Systems	✓		See Unix File System for more information.
Workstation Backup			
ARCHIVE			
Domino Mailbox Archiver	✓		See Domino Mailbox Archiver for more information.
Exchange Compliance Archiver			
Exchange Mailbox Archiver	✓	✓	See Exchange Mailbox Archiver for more information.
Exchange Public Folder Archiver	✓		See Exchange Public Folder Archiver for more information.
File Archiver for BlueArc	✓		See Windows File Archiver for more information. See Specify Location for Deleted Stubs for information on particular instance type support.
File Archiver for Celerra	✓		See Windows File Archiver for more information. See Specify Location for Deleted Stubs for information on particular instance type support.
File Archiver for NetApp	✓		See Windows File Archiver for more information. See Specify Location for Deleted Stubs for information on particular instance type support.
File Archiver for Unix	✓		See Unix File Archiver for more information.
File Archiver for Windows	✓	✓	See Windows File Archiver for more information. See Specify Location for Deleted Stubs for information on particular instance type support.

Generic File Archiver for NAS	✓		See Windows File Archiver for more information. See Specify Location for Deleted Stubs for information on particular instance type support.
SharePoint Archiver	✓		See SharePoint Archiver for more information.
REPLICATION			
ContinuousDataReplicator			
SRM			
SRM Exchange Agent			
SRM for Virtual Server			
SRM NAS Agent			
SRM NetWare Proxy Agent			
SRM Oracle Agent			
SRM SharePoint Agent			
SRM SQL Agent			
SRM UNIX File System Agent			
SRM Windows File System Agent			
VIRTUALIZATION			
Microsoft Hyper-V			
VMware			
LAPTOP			
Laptop Backup (Linux)	✓		See Unix File System for more information.
Laptop Backup (Macintosh)			
Laptop Backup (Windows)	✓		See Microsoft Windows File System for more information.

Global Filters - Support

Topics | How To | Support | Related Topics

The following table shows which agents support Global Filters.

	GLOBAL FILTERS	COMMENTS
BACKUP		
Active Directory		
DB2		
DB2 DPF		
Documentum		
External Data Connector		
Image Level		
Informix		
Lotus Notes Database		
Lotus Notes Document		
Macintosh File System	✓	
Microsoft Data Protection Manager		
Microsoft Exchange Database		
Microsoft Exchange Mailbox	✓	
Microsoft Exchange Public Folder		
Microsoft SharePoint Server		
Microsoft SQL Server		
Microsoft Windows File Systems	✓	Global Filters cannot be set for Office Communications Server
MySQL		
NAS		
Novell Directory Service		
Novell GroupWise		
OES File System	✓	
Oracle		
Oracle RAC		
PostgreSQL		
ProxyHost		
SAP for MaxDB		
SAP for Oracle		
Sybase		
Unix File Systems	✓	
Workstation Backup	✓	
ARCHIVE		
Domino Mailbox Archiver		
Exchange Compliance Archiver	✓	
Exchange Mailbox Archiver	✓	
Exchange Public Folder Archiver		
File Archiver for BlueArc	✓	
File Archiver for Celerra	✓	
File Archiver for NetApp	✓	
File Archiver for Unix		
File Archiver for Windows	✓	
Generic File Archiver for NAS	✓	
SharePoint Archiver		

REPLICATION		
ContinuousDataReplicator		
SRM		
SRM Exchange Agent		
SRM for Virtual Server		
SRM NAS Agent		
SRM NetWare Proxy Agent		
SRM Oracle Agent		
SRM SharePoint Agent		
SRM SQL Agent		
SRM UNIX File System Agent		
SRM Windows File System Agent		
VIRTUALIZATION		
Microsoft Hyper-V	✓	
VMware	✓	
LAPTOP		
Laptop Backup (Linux)	✓	
Laptop Backup (Macintosh)	✓	
Laptop Backup (Windows)	✓	Global Filters cannot be set for Office Communications Server

Alternate Data Paths (GridStor[®]) - Support

[Topics](#) | [How To](#) | [Troubleshoot](#) | [Examples](#) | [Support](#) | [Related Topics](#)

This section lists the components that support/do not support Alternate Data Paths (GridStor).

AGENTS

All Agents except the Quick Recovery Agent and SAP for MAXDB iDataAgent support this feature, including subclient data paths.

For the Lotus Notes Database iDataAgent, transaction log subclients are not supported.

LIBRARIES AND MEDIAAGENTS

All libraries and MediaAgents support this feature.

Note that on NetWare MediaAgents, this feature can be supported using shared libraries in a SAN environment.

SEE ALSO:

- [Support Information - Storage Policy Copies](#)
 - [MediaAgents - Supported Features, Agents and Devices](#)
-

Installation - Support

All components support interactive method of installing the software. The following table lists the additional install methods for each component:

	CUSTOM PACKAGE	DECOUPLED INSTALL	REMOTE INSTALL	RESTORE ONLY AGENTS	SILENT INSTALL	COMMENTS
BACKUP						
Active Directory	✓		✓		✓	
DB2	✓		✓		✓	
DB2 DPF	✓					No software installation is required. See Deployment - DB2 DPF iDataAgent for more information.
Documentum	✓	✓	✓		✓	
External Data Connector	✓	✓	✓		✓	
Image Level	✓	✓	✓	✓	✓	
Informix	✓	✓				
Lotus Notes Database	✓	✓	✓	✓	✓	For Restore Only Agents, supported on Windows; not supported on Unix.
Lotus Notes Document	✓	✓	✓	✓	✓	For Restore Only Agents, supported on Windows; not supported on Unix.
Macintosh File System			✓		✓	
Microsoft Data Protection Manager	✓		✓		✓	
Microsoft Exchange Database	✓	✓	✓	✓	✓	
Microsoft Exchange Mailbox	✓	✓	✓	✓	✓	
Microsoft Exchange Public Folder	✓	✓	✓	✓	✓	
Microsoft SharePoint Server	✓	✓	✓	✓	✓	
Microsoft SQL Server	✓	✓	✓	✓	✓	To install this agent as restore only, see Installing Microsoft SQL Server as Restore Only
Microsoft Windows File Systems	✓	✓	✓	✓	✓	
MySQL	✓		✓		✓	
NAS			✓			Automatically installed with the MediaAgent software. See Getting Started - NAS iDataAgent Deployment for more information. The NDMP Remote Server software can be installed from the CommCell Console.
Novell Directory Service	✓		✓		✓	Install Software from the CommCell Console is supported when the agent is installed on an OES Linux Operating System.
Novell GroupWise	✓		✓		✓	Install Software from the CommCell Console is supported when the agent is installed on an OES Linux Operating System.
OES File System	✓		✓		✓	
Oracle	✓	✓	✓	✓	✓	Decoupled Install is supported on Unix; not supported on Windows. To install this agent as restore only, see Restoring Oracle, SAP for Oracle, SAP for MaxDB as Restore Only
Oracle RAC						No software installation is required. See Deployment - Oracle RAC iDataAgent for more information.
PostgreSQL	✓		✓		✓	
ProxyHost	✓		✓		✓	
SAP for MaxDB	✓	✓	✓	✓	✓	To install this agent as restore only, see Restoring Oracle, SAP for Oracle, SAP for MaxDB as Restore Only
SAP for Oracle	✓	✓	✓	✓	✓	To install this agent as restore only, see Restoring Oracle, SAP for Oracle, SAP for MaxDB as Restore Only
			✓			

Sybase	✓				✓	
Unix File Systems	✓	✓	✓	✓	✓	
Workstation Backup	✓	✓	✓		✓	
ARCHIVE						
Domino Mailbox Archiver	✓	✓	✓	✓	✓	Notes Add-in client and proxy installations are supported if Notes Client is installed in single user mode. For Notes Add-in, see: Remote Installs- MSI Packages Using Active Directory Group Policies For Restore Only Agents, supported on Windows; not supported on Unix.
Exchange Compliance Archiver	✓	✓	✓	✓	✓	
Exchange Mailbox Archiver	✓	✓	✓	✓	✓	
Exchange Public Folder Archiver	✓	✓	✓	✓	✓	
File Archiver for BlueArc	✓			✓	✓	
File Archiver for Celerra	✓			✓	✓	
File Archiver for NetApp	✓			✓	✓	
File Archiver for Unix	✓		✓	✓	✓	
File Archiver for Windows	✓		✓	✓	✓	For File Share Archiver Client, see: Local Installs- MSI Packages Using Batch File Remote Installs- MSI Packages Using Active Directory Group Policies 7.0 clients with File Share Archiver Client do not support Install Software from the CommCell Console .
Generic File Archiver for NAS	✓			✓	✓	
SharePoint Archiver	✓	✓		✓	✓	
REPLICATION						
ContinuousDataReplicator	✓		✓		✓	Install Software from the CommCell Console (Remote Install) is not supported on SuSE version 10.x
SRM						
SRM Exchange Agent	✓				✓	Remote and Silent installs are supported for Exchange 2000 and Exchange 2003.
SRM for Virtual Server	✓	✓	✓		✓	
SRM NAS Agent	✓	✓	✓		✓	
SRM NetWare Proxy Agent	✓	✓	✓		✓	
SRM Oracle Agent	✓	✓	✓		✓	
SRM SharePoint Agent	✓	✓		✓	✓	
SRM SQL Agent	✓	✓	✓		✓	
SRM UNIX File System Agent	✓	✓	✓		✓	
SRM Windows File System Agent	✓	✓	✓		✓	
VIRTUALIZATION						
Microsoft Hyper-V	✓		✓		✓	
VMware	✓		✓		✓	
LAPTOP						
Laptop Backup (Linux)	✓	✓	✓	✓	✓	
Laptop Backup (Macintosh)			✓		✓	
Laptop Backup (Windows)	✓	✓	✓	✓	✓	

Installing 32-bit Components on a Microsoft Windows x64 Platform - Support

Topics | How To | Support

The following 32-bit components are supported on Microsoft Windows x64 platforms:

For more information on the platforms supported for these components, see System Requirements .

	INSTALL 32-BIT ON X64	COMMENTS
BACKUP		
Active Directory		
DB2		
DB2 DPF		
Documentum		
External Data Connector		
Image Level		
Informix		
Lotus Notes Database	✓	
Lotus Notes Document	✓	
Macintosh File System		
Microsoft Data Protection Manager		
Microsoft Exchange Database		
Microsoft Exchange Mailbox	✓	
Microsoft Exchange Public Folder	✓	
Microsoft SharePoint Server	✓	
Microsoft SQL Server	✓	
Microsoft Windows File Systems	✓	
MySQL	✓	
NAS		
Novell Directory Service		
Novell GroupWise		
OES File System		
Oracle		
Oracle RAC		
PostgreSQL		
ProxyHost		
SAP for MaxDB		
SAP for Oracle		
Sybase		
Unix File Systems		
Workstation Backup		
ARCHIVE		
Domino Mailbox Archiver	✓	
Exchange Compliance Archiver	✓	
Exchange Mailbox Archiver	✓	
Exchange Public Folder Archiver	✓	
File Archiver for BlueArc		
File Archiver for Celerra		
File Archiver for NetApp		
File Archiver for Unix		
File Archiver for Windows		
Generic File Archiver for		

NAS		
SharePoint Archiver		
REPLICATION		
ContinuousDataReplicator		
SRM		
SRM Exchange Agent	✓	
SRM for Virtual Server		
SRM NAS Agent		
SRM NetWare Proxy Agent		
SRM Oracle Agent		
SRM SharePoint Agent		
SRM SQL Agent	✓	
SRM UNIX File System Agent		
SRM Windows File System Agent		
VIRTUALIZATION		
Microsoft Hyper-V		
VMware		
LAPTOP		
Laptop Backup (Linux)		
Laptop Backup (Macintosh)		
Laptop Backup (Windows)	✓	

Job Restart - Data Protection - Support

Topics | How To | Support | Related Topics

The following table lists the Job Restart support for data protection operations.

	NOT RESTARTABLE	RESTARTS FROM THE BEGINNING	RESTARTS FROM THE BEGINNING OF THE DATABASE	RESTARTS FROM THE POINT-OF-FAILURE	COMMENTS
BACKUP					
Active Directory					
DB2			✓		Third-party command line operations are Not Restartable .
DB2 DPF			✓		Third-party command line operations are Not Restartable .
Documentum				✓	
External Data Connector					
Image Level				✓	
Informix			✓		Third-party command line operations are Not Restartable .
Lotus Notes Database				✓	
Lotus Notes Document				✓	
Macintosh File System				✓	
Microsoft Data Protection Manager				✓	
Microsoft Exchange Database		✓			
Microsoft Exchange Mailbox				✓	
Microsoft Exchange Public Folder				✓	
Microsoft SharePoint Server			✓		For SharePoint Document, set the bEnableRestart registry key to Restart from the Point-of-Failure .
Microsoft SQL Server				✓	
Microsoft Windows File Systems				✓	
MySQL					
NAS		✓		✓	Support for job restart or resume from point-of-failure is vendor based. Currently, only NetApp supports resume from Point-of-Failure.
Novell Directory Service				✓	
Novell GroupWise			✓		
OES File System				✓	
Oracle				✓	Third-party command line operations and selective online full backup jobs are Not Restartable . Offline backup jobs Restart from the Beginning .
Oracle RAC				✓	Third-party command line operations and selective online full backup jobs are Not Restartable . Offline backup jobs Restart from the Beginning .
PostgreSQL				✓	
ProxyHost				✓	
SAP for MaxDB	✓				
SAP for Oracle			✓		
Sybase	✓				
Unix File Systems				✓	

Workstation Backup		✓		✓	
ARCHIVE					
Domino Mailbox Archiver				✓	
Exchange Compliance Archiver				✓	
Exchange Mailbox Archiver				✓	
Exchange Public Folder Archiver				✓	
File Archiver for BlueArc				✓	
File Archiver for Celerra				✓	
File Archiver for NetApp				✓	
File Archiver for Unix				✓	
File Archiver for Windows				✓	
Generic File Archiver for NAS				✓	
SharePoint Archiver					Set the bEnableRestart registry key to Restart from the Point-of-Failure.
REPLICATION					
ContinuousDataReplicator		✓		✓	Data Transfer job Restarts from the Beginning and Restarts from the Point-of-Failure. Recovery Points are Restartable.
SRM					
SRM Exchange Agent					
SRM for Virtual Server					
SRM NAS Agent					
SRM NetWare Proxy Agent					
SRM Oracle Agent					
SRM SharePoint Agent					
SRM SQL Agent					
SRM UNIX File System Agent					
SRM Windows File System Agent					
VIRTUALIZATION					
Microsoft Hyper-V				✓	
VMware				✓	
LAPTOP					
Laptop Backup (Linux)				✓	
Laptop Backup (Macintosh)				✓	
Laptop Backup (Windows)				✓	

[Back to Top](#)

Job Restart - Data Recovery - Support

Topics | How To | Support | Related Topics

The following table lists the Job Restart support for data recovery operations.

	NOT RESTARTABLE	RESTARTS FROM THE BEGINNING	RESTARTS FROM THE BEGINNING OF THE DATABASE	RESTARTS FROM THE POINT-OF- FAILURE	COMMENTS
BACKUP					
Active Directory					
DB2	✓				
DB2 DPF	✓				
Documentum				✓	
External Data Connector					
Image Level	✓				
Informix	✓				
Lotus Notes Database	✓				
Lotus Notes Document				✓	
Macintosh File System				✓	
Microsoft Data Protection Manager				✓	
Microsoft Exchange Database			✓		
Microsoft Exchange Mailbox				✓	
Microsoft Exchange Public Folder				✓	
Microsoft SharePoint Server			✓	✓	Restarts from the Beginning is supported for SharePoint Database. Restarts from the Point-of-Failure is supported for SharePoint Document.
Microsoft SQL Server	✓				
Microsoft Windows File Systems				✓	
MySQL					
NAS	✓				
Novell Directory Service				✓	
Novell GroupWise			✓		
OES File System				✓	
Oracle				✓	Third-party command line operations are Not Restartable .
Oracle RAC				✓	
PostgreSQL			✓		
ProxyHost				✓	
SAP for MaxDB	✓				
SAP for Oracle	✓				Third-party command line operations are Not Restartable .
Sybase	✓				
Unix File Systems				✓	
Workstation Backup	✓				
ARCHIVE					
Domino Mailbox Archiver				✓	
Exchange Compliance Archiver				✓	

Exchange Mailbox Archiver				✓	
Exchange Public Folder Archiver				✓	
File Archiver for BlueArc				✓	
File Archiver for Celerra				✓	
File Archiver for NetApp				✓	
File Archiver for Unix				✓	
File Archiver for Windows				✓	
Generic File Archiver for NAS				✓	
SharePoint Archiver				✓	
REPLICATION					
ContinuousDataReplicator	✓				
SRM					
SRM Exchange Agent					
SRM for Virtual Server					
SRM NAS Agent					
SRM NetWare Proxy Agent					
SRM Oracle Agent					
SRM SharePoint Agent					
SRM SQL Agent					
SRM UNIX File System Agent					
SRM Windows File System Agent					
VIRTUALIZATION					
Microsoft Hyper-V				✓	
VMware				✓	
LAPTOP					
Laptop Backup (Linux)				✓	
Laptop Backup (Macintosh)				✓	
Laptop Backup (Windows)				✓	

[Back to Top](#)

Job Restart - Data Collection - Support

Topics | How To | Support | Related Topics

The following table lists the Job Restart support for data collection operations.

	NOT RESTARTABLE	RESTARTS FROM THE BEGINNING	RESTARTS FROM THE POINT-OF-FAILURE	NOTES
SRM				
SRM Exchange Agent			✓	
SRM NAS Agent			✓	
SRM NetWare Proxy Agent		✓		
SRM Oracle Agent		✓		
SRM Server				
SRM SharePoint Agent			✓	
SRM SQL Agent		✓		
SRM UNIX File System Agent		✓		
SRM Virtual Server Agent			✓	
SRM Windows File System Agent			✓	

[Back to Top](#)

Languages - Support

Supported Languages

Supported Components

Additional Support

SUPPORTED LANGUAGES

The following languages are supported:

- English (United States)
 - Chinese (Traditional)
 - Chinese (Simplified)
 - French (Canada)
 - French (France)
 - German (Germany)
 - Italian
 - Japanese
 - Russian
 - Korean
 - Portuguese (Brazil)
 - Spanish (Mexico)
 - Spanish (Spain)
-

SUPPORTED COMPONENTS

The following components are supported in the above-mentioned languages:

- CommCell Console
 - CommNet Browser
 - Search Console (The underlying Content Indexing component supports UTF-8 character sets.)
 - 1-Touch Recovery (Windows)
 - Outlook Add-In
 - Lotus Notes Client Add-In
 - Reports
 - Workstation Backup Agent Console
 - Laptop Monitor
 - Web Console
-

ADDITIONAL SUPPORT

Dutch (Netherlands) is supported for the following components:

- Search Console
 - 1-Touch Recovery (Windows)
 - Outlook Add-In
 - Lotus Notes Client Add-In
 - Reports
 - Workstation Backup Agent Console
-

List Media (Media Prediction) - Support

Topics | How To | Support | Related Topics

The following table lists the List Media options supported by each Agent.

	LIST MEDIA ASSOCIATED WITH A SPECIFIC BACKUP SET OR INSTANCE	LIST MEDIA ASSOCIATED WITH INDEX	LIST MEDIA ASSOCIATED WITH SPECIFIC FILES AND/OR FOLDERS	LIST MEDIA ASSOCIATED WITH SPECIFIC JOBS	COMMENTS
BACKUP					
Active Directory	✓	✓	✓		
DB2	✓				
DB2 DPF	✓				
Documentum	✓		✓		
External Data Connector					
Image Level	✓	✓			
Informix	✓				
Lotus Notes Database	✓	✓	✓		Log files are not supported for Index.
Lotus Notes Document	✓	✓	✓		
Macintosh File System	✓	✓	✓	✓	
Microsoft Data Protection Manager	✓	✓	✓	✓	
Microsoft Exchange Database	✓				
Microsoft Exchange Mailbox	✓	✓	✓		
Microsoft Exchange Public Folder	✓	✓	✓		
Microsoft SharePoint Server	✓	✓	✓		List Media Associated with Index and List Media and Size Associated with Specific Files are not supported for SharePoint Database.
Microsoft SQL Server	✓				
Microsoft Windows File Systems	✓	✓	✓	✓	
MySQL	✓				
NAS	✓	✓	✓	✓	Media for the files to restore are detected, but additional media that the file server may request during restore may not be detected. For example, the first media for a job will likely be needed.
Novell Directory Service	✓	✓			
Novell GroupWise	✓				
OES File System	✓	✓	✓	✓	
Oracle	✓				
Oracle RAC	✓				
PostgreSQL	✓				
ProxyHost	✓	✓	✓		
SAP for MaxDB	✓				
SAP for Oracle	✓				
Sybase	✓				
Unix File Systems	✓	✓	✓	✓	
Workstation Backup					
ARCHIVE					
Domino Mailbox Archiver					

	✓	✓	✓		
Exchange Compliance Archiver	✓	✓	✓		
Exchange Mailbox Archiver	✓	✓	✓		
Exchange Public Folder Archiver	✓	✓	✓		
File Archiver for BlueArc	✓	✓	✓	✓	
File Archiver for Celerra	✓	✓	✓	✓	
File Archiver for NetApp	✓	✓	✓	✓	
File Archiver for Unix	✓	✓	✓	✓	
File Archiver for Windows	✓	✓	✓	✓	
Generic File Archiver for NAS	✓	✓	✓	✓	
SharePoint Archiver	✓	✓	✓		
REPLICATION					
ContinuousDataReplicator					
SRM					
SRM Exchange Agent					
SRM for Virtual Server					
SRM NAS Agent					
SRM NetWare Proxy Agent					
SRM Oracle Agent					
SRM SharePoint Agent					
SRM SQL Agent					
SRM UNIX File System Agent					
SRM Windows File System Agent					
VIRTUALIZATION					
Microsoft Hyper-V	✓	✓			For List Media associated with Specific Files , not supported for File-Level Browse operations from Disk or Volume-Level Backups. For List Media associated with Specific Jobs , supported at the File-level.
VMware	✓	✓			For List Media associated with Specific Files , not supported for File-Level Browse operations from Disk or Volume-Level Backups. For List Media associated with Specific Jobs , supported at the File-level.
LAPTOP					
Laptop Backup (Linux)	✓	✓	✓	✓	
Laptop Backup (Macintosh)	✓	✓	✓	✓	
Laptop Backup (Windows)	✓	✓	✓	✓	

Log Files - Support

[Topics](#) | [How To](#) | [Support](#) | [Related Topics](#)

This feature is supported by all Agents.

Log files can be viewed from the following levels in the CommCell Browser:

- CommServe
- Client
- MediaAgent

Log files can also be sent from the CommServe level.

MediaAgents - Support

Topics | How To | Troubleshoot | Support | Related Topics

FEATURES

The following table provides a list of features that are supported by MediaAgents:

FEATURES	WINDOWS MEDIAAGENTS	UNIX MEDIAAGENTS	NETWARE MEDIAAGENTS	NOTES
Alternate Data Paths (GridStor)	✓	✓	✓	
Automatic File System Multi-Streaming	✓	✓		
Offline Content Indexing	✓			
Data Multiplexing	✓	✓	✓	
Data Encryption	✓	✓		
Optimized LAN Backups	✓	✓		
Deduplication	See: Deduplication - Support			
Silo Storage for more information.	✓	✓		

Auxiliary copy operations can be performed between any two MediaAgents, regardless of their Operating System. See Auxiliary Copy - Support for more information.

AGENTS

Most Agents are supported by all MediaAgents. However the following table lists Agents and the corresponding MediaAgents that support these Agents. (Agents not mentioned in this list are supported by all MediaAgents.)

Note that the following table *does not* provide a comprehensive list of supported platforms for each agent. See System Requirements for information on the platforms supported by the individual Agents.

AGENTS	WINDOWS MEDIAAGENTS	UNIX MEDIAAGENTS	NETWARE MEDIAAGENTS	NOTES
Active Directory	✓	✓	✓	
Exchange Compliance Archiver	✓		✓	
Image Level iDataAgent	✓	✓ ²	✓ ²	2. The Image Level and Image Level ProxyHost iDataAgents on Unix can perform a File Level Restore only when the OS of the Client computer and the MediaAgent are the same.
Image Level ProxyHost iDataAgent	✓	✓ ²	✓ ²	
Microsoft Data Protection Manager	✓	✓	✓	
MySQL iDataAgent	✓	✓		
NDMP NAS Clients	✓	✓	✓	
Virtual Server iDataAgent	✓	✓ ³	✓ ³	3. The Virtual Server iDataAgent on Unix can perform a File Level Restore only when the OS of the Client computer and the MediaAgent are the same.

DEVICES

The following table provides general guidelines on the devices supported by MediaAgents.

DEVICES	WINDOWS MEDIAAGENTS	UNIX MEDIAAGENTS	NETWARE MEDIAAGENTS	NOTES
Direct-attached Libraries	✓	✓	✓	
Direct-attached Shared	✓	✓	✓	

Libraries				
Disk Libraries	✓	✓	✓	
Shared Disk Libraries				
Static Shared	✓	✓		
Centera Clusters	✓			
Cloud Storage	✓	✓		See Cloud Storage - Support for supported cloud storage providers.
Stand-Alone Drives	✓	✓	✓	
Optical Libraries	✓ ⁴			⁴ . Supported on 32-bit Windows MediaAgents
Blind Libraries (Libraries without a barcode reader)	✓	✓	✓	
SAN-DDS Libraries	✓	✓	✓	
STK libraries attached to ACSLS Server				
Direct-attached	✓	✓ ⁵		⁵ . Supported on Solaris MediaAgents
SAN DDS	✓ ⁶	✓ ⁶	✓ ⁶	⁶ .With at least one Windows or Solaris MediaAgent
Removable Disk Drives	✓	✓		
PnP (Plug and Play) Disk Libraries	✓			

Contact your software provider, for a list of supported storage devices (libraries, drives, media and SAN devices) and compatible SCSI cards.

[Back to Top](#)

Multi Instancing - Support

Topics | Support | Related Topics

The following table lists the availability of the Multi Instancing feature for each component.

Note: Remote install and Remote upgrade are not supported on Multi Instance.

	MULTI INSTANCE	COMMENTS
BACKUP		
Active Directory	✓	
DB2		
DB2 DPF	✓	Supported on Unix. See warning in Multi Instancing.
Documentum	✓	
External Data Connector		
Image Level		
Informix	✓	See warning in Multi Instancing.
Lotus Notes Database		
Lotus Notes Document	✓	
Macintosh File System	✓	
Microsoft Data Protection Manager	✓	
Microsoft Exchange Database	✓	See warning in Multi Instancing. Multi Instancing is not supported for SnapProtect Backup.
Microsoft Exchange Mailbox	✓	See warning in Multi Instancing.
Microsoft Exchange Public Folder	✓	See warning in Multi Instancing.
Microsoft SharePoint Server	✓	For SharePoint Database, see warning in Multi Instancing.
Microsoft SQL Server		
Microsoft Windows File Systems	✓	Multi Instancing is not supported for SnapProtect Backup.
MySQL	✓	Available on Unix. See warning in Multi Instancing.
NAS		
Novell Directory Service		
Novell GroupWise		
OES File System	✓	
Oracle	✓	Supported on Unix; not supported on Windows. Multi Instancing is not supported for SnapProtect Backup.
Oracle RAC		
PostgreSQL	✓	
ProxyHost	✓	
SAP for MaxDB		
SAP for Oracle		
Sybase	✓	Available on Unix only. See warning in Multi Instancing.
Unix File Systems	✓	Multi Instancing is not supported for SnapProtect Backup.
Workstation Backup		
ARCHIVE		
Domino Mailbox Archiver		
Exchange Compliance Archiver	✓	
Exchange Mailbox Archiver	✓	Multi Instancing is supported for the Exchange Mailbox Archiver, when used with the proxy fanning configuration. See Deployment - Exchange Server Agents. Also supported for OWA Proxy Enabler and Outlook Add-In (if installed from the software installation disc or Install Software from CommCell Console and not through GPOs using the MPI package) but not for WebProxy Agent for Exchange.
Exchange Public Folder		

Archiver	✓	
File Archiver for BlueArc		
File Archiver for Celerra		
File Archiver for NetApp		
File Archiver for Unix		
File Archiver for Windows		
Generic File Archiver for NAS		
SharePoint Archiver		
REPLICATION		
ContinuousDataReplicator		
SRM		
SRM Exchange Agent	✓	
SRM for Virtual Server	✓	
SRM NAS Agent	✓	
SRM NetWare Proxy Agent	✓	
SRM Oracle Agent	✓	
SRM SharePoint Agent	✓	
SRM SQL Agent	✓	
SRM UNIX File System Agent	✓	
SRM Windows File System Agent	✓	
VIRTUALIZATION		
Microsoft Hyper-V	✓	Multi Instancing is not supported for SnapProtect Backup.
VMware	✓	Multi Instancing is not supported for SnapProtect Backup.
LAPTOP		
Laptop Backup (Linux)	✓	Multi Instancing is not supported for SnapProtect Backup.
Laptop Backup (Macintosh)	✓	
Laptop Backup (Windows)	✓	Multi Instancing is not supported for SnapProtect Backup.

Operation Window - Support

Topics | How To | Support | Related Topics

This feature is supported by all Agents except:

- Recovery Director
- ContinuousDataReplicator

Operation rules can be created for operations from the following levels in the CommCell Browser:

- CommServe
- Client Computer Group
- Client
- Agent
- Instance
- Backup Set/Archive Set
- Subclient

For the Workstation Backup Agent, operation rules can be created at the Client Computer Group, Client, Agent, and Replication Set level.

For SRM Agents, the operation window is not supported at the Application Type level; however, the operation window is supported at the Subclient level.

SUPPORTED OPERATION RULES

The following table details the operation rules supported at each level:

OPERATION RULE	COMMSERVE LEVEL	CLIENT COMPUTER GROUP LEVEL	CLIENT LEVEL	AGENT LEVEL	BACKUP SET LEVEL	SUBCLIENT LEVEL
Full Data Management (full backups)	✓	✓	✓	✓	✓	✓
Non Full Data Management (non full backups)	✓	✓	✓	✓	✓	✓
Data Recovery	✓	✓	✓	✓		
Synthetic Full	✓					
Auxiliary Copy	✓					
Disaster Recovery Backup	✓					
Data Verification	✓					
Erase Media	✓					
Erase Data By Browsing	✓	✓	✓	✓		
Erase Archived Data	✓	✓	✓	✓		
Offline Content Indexing	✓	✓	✓	✓		
Information Management	✓					
SRM	✓	✓	✓	✓		✓

For example, the **Full Data Management** rule will not allow full backup jobs to run during the specified operation window. The **Non Full Data Management** rule will do the same for non full backup jobs e.g., differential backups.

Pre/Post Processes - Support

Topics | How To | Support

The following table lists the Agents that support Pre/Post Processes with Data Protection. For information on support for Pre/Post Processes with Data Recovery, see Restore Options - Support.

	PRE/POST PROCESS WITH DATA PROTECTION AND RECOVERY	COMMENTS
BACKUP		
Active Directory	✓	
DB2	✓	
DB2 DPF	✓	
Documentum	✓	
External Data Connector		
Image Level	✓	
Informix	✓	
Lotus Notes Database	✓	
Lotus Notes Document	✓	
Macintosh File System	✓	
Microsoft Data Protection Manager	✓	
Microsoft Exchange Database	✓	
Microsoft Exchange Mailbox	✓	
Microsoft Exchange Public Folder	✓	
Microsoft SharePoint Server	✓	
Microsoft SQL Server	✓	
Microsoft Windows File Systems	✓	
MySQL	✓	
NAS	✓	
Novell Directory Service	✓	
Novell GroupWise	✓	
OES File System	✓	
Oracle	✓	
Oracle RAC		
PostgreSQL	✓	
ProxyHost	✓	
SAP for MaxDB		
SAP for Oracle		
Sybase	✓	
Unix File Systems	✓	
Workstation Backup	✓	
ARCHIVE		
Domino Mailbox Archiver	✓	
Exchange Compliance Archiver	✓	
Exchange Mailbox Archiver	✓	
Exchange Public Folder Archiver	✓	
File Archiver for BlueArc	✓	
File Archiver for Celerra	✓	
File Archiver for NetApp	✓	
File Archiver for Unix		

		✓	
File Archiver for Windows		✓	
Generic File Archiver for NAS		✓	
SharePoint Archiver		✓	
REPLICATION			
ContinuousDataReplicator		✓	
SRM			
SRM Exchange Agent			
SRM for Virtual Server			
SRM NAS Agent			
SRM NetWare Proxy Agent			
SRM Oracle Agent			
SRM SharePoint Agent			
SRM SQL Agent			
SRM UNIX File System Agent			
SRM Windows File System Agent			
VIRTUALIZATION			
Microsoft Hyper-V		✓	
VMware		✓	
LAPTOP			
Laptop Backup (Linux)		✓	
Laptop Backup (Macintosh)		✓	
Laptop Backup (Windows)		✓	

QR Volume Creation Options - Support

Topics | How To | Support | Related Topics

The following table lists the QR Agent and Snapshot Engine combinations and the QR Volume creation options supported by each of these combinations.

	Full QR Volume Creation	Incremental Update	Create Snapshot	Import Snapshot	Other QR Creation Options
QR Agent on Windows					
QSnap	✓	✓	✓		
Microsoft Shadow Service (VSS)	✓	✓	✓		
VSS Hardware Provider			✓	✓	
EMC SnapView 2.0			✓		Can activate the snapshot and mount it on the same host.
SnapVault (OSSV, ONTAP)	✓	✓			
ONTAP SnapMirror	✓	✓			
Generic Enabler			✓		
QR Agent on Unix					
QSnap	✓	✓			
SnapVault (OSSV, ONTAP)	✓	✓			
ONTAP SnapMirror	✓	✓			
Generic Enabler			✓		
Recovery Director on Windows					
QSnap	✓	✓	✓		
Microsoft Shadow Service (VSS)	✓	✓	✓		
VSS Hardware Provider			✓	✓	
EMC SnapView 2.0			✓		Can activate the snapshot and mount it on the same host.
Generic Enabler			✓		
Recovery Director on Unix					
QSnap	✓	✓	✓		
Generic Enabler			✓		

Report Output Options - Support

Topics | How To | Troubleshoot | Support | Related Topics

The following table lists the reports and the various supported screen output options. Reports can be saved in either HTML (default), Text, PDF, Iron Mountain, Style Sheet or XML formats. Select reports for external vendor data can also be displayed with the naming conventions used by the external vendor. All reports can be saved to a local or network location or uploaded to a FTP server.

COMMCELL MANAGEMENT	HTML		Text			Iron Mountain	Style Sheet	Acrobat (PDF)	XML	External Vendor Style
	HTML (Full)	Summary Only	Text (Full)	Text Delimiter (Comma,Tab)	Short					
CommCell Growth										
CommCell Readiness										
CommCell Configuration Event										
GUI Audit Trail										
License Summary										
User Capability										
Job Schedule-Interval										
Job Schedule-List										
Jobs In Storage Policy Copies										
Job Summary										
Administrative Job Summary										
Disaster Recovery Backup Job Summary										
Auxiliary Copy Job Summary										
Data Aging Job Summary										
Data Verification Job Summary										
Download Updates Job Summary										
Install Updates Job Summary										
Offline Content Indexing Job Summary										
MEDIA MANAGEMENT										
Data Retention Forecast and Compliance	✓		✓	✓				✓		
Library and Drive	✓		✓	✓				✓		✓
Media Information	✓		✓	✓		✓		✓	✓	✓
Media Prediction								✓		
Scratch Pool										
Storage Policy										
Vault Tracking										
BACKUP & RECOVERY	HTML		Text			Iron Mountain	Style Sheet	Acrobat (PDF)	XML	External Vendor Style
	HTML (Full)	Summary Only	Text (Full)	Text Delimiter (Comma,Tab)	Short					
Backup Job Summary										
Calendar Backup Job Summary										
NAS NDMP Backup Archives										
Restore Job Summary										
Search Restore Job Summary										
QUICKRECOVERY										
QR Volume Creation Job Summary										
QR Recovery Job Summary										
ARCHIVE MANAGEMENT										
Calendar Archive Job Summary										
Archive Job Summary										
Recovery/Retrieve Job Summary										
Stub Recall Summary										

CONTINUOUSDATAREPLICATOR										
ContinuousDataReplicator Replication Job Summary	✓		✓	✓				✓	✓	
ContinuousDataReplicator Copyback Job Summary	✓		✓	✓				✓	✓	
SRM REPORTS	Excel	Web Archive	CSV (comma delimited)	TIFF File	Acrobat (PDF)	XML	External Vendor Style			
SRM Exchange Agent	✓	✓	✓	✓	✓					
SRM NetWare Proxy Agent	✓	✓	✓	✓	✓					
SRM NAS Agent	✓	✓	✓	✓	✓					
SRM Oracle Agent	✓	✓	✓	✓	✓					
SRM SharePoint Agent	✓	✓	✓	✓	✓					
SRM SQL Server Agent	✓	✓	✓	✓	✓					
SRM Unix File System Agent	✓	✓	✓	✓	✓					
SRM Windows File System Agent	✓	✓	✓	✓	✓					
Cost Analysis										

Restore/Recover/Retrieve Options - Support

Topics | Restore Options | Support | Related Topics

The following table lists the Agents and the most common restore/recover/retrieve options supported by each of these Agents. Note that the following table does not provide comprehensive information on all the restore/recover/retrieve options provided by each of the Agents. See also Restore/Recover/Retrieve Destinations - Support and Restore/Recover/Retrieve - Other Options - Support for a comprehensive list. For restore/recover/retrieve options available in Advanced File System iDataAgents, see Advanced File System iDataAgent Options - Support.

	AUTOMATIC DETECTION OF REGULAR EXPRESSIONS	FILTER DATA FROM RECOVER OPERATIONS	RENAME/ REDIRECT FILES ON RESTORE	RESTORE DATA USING WILDCARD EXPRESSIONS	RESTORE DATA WITH PRE/POST PROCESSES	RESTORE FROM COPIES	SKIP ERRORS AND CONTINUE	USE EXACT INDEX	USE MEDIAAGENT	COMM
BACKUP										
Active Directory						✓	✓		✓	
DB2			✓			✓			✓	
DB2 DPF			✓			✓			✓	
Documentum			✓		✓	✓			✓	
External Data Connector										
Image Level						✓	✓	✓	✓	
Informix						✓				
Lotus Notes Database						✓			✓	
Lotus Notes Document						✓			✓	
Macintosh File System	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Microsoft Data Protection Manager	✓	✓		✓	✓	✓	✓	✓	✓	
Microsoft Exchange Database					✓	✓			✓	
Microsoft Exchange Mailbox						✓	✓		✓	
Microsoft Exchange Public Folder						✓	✓		✓	
Microsoft SharePoint Server						✓	✓		✓	Skip Err Continu support Share Data:
Microsoft SQL Server			✓		✓	✓			✓	
Microsoft Windows File Systems	✓	✓	✓	✓	✓	✓	✓	✓	✓	Offi Commu Server d supp <ul style="list-style-type: none"> • Resto Using Expr • Rename Files or <ul style="list-style-type: none"> • Autc Deter Rei Expr • Filter D Rec Oper
MySQL						✓				
NAS					✓	✓		✓	✓	
Novell Directory Service		✓				✓	✓		✓	
Novell GroupWise						✓			✓	
OES File System		✓		✓		✓	✓	✓	✓	
Oracle			✓		✓	✓			✓	
Oracle RAC										

			✓		✓	✓			✓	
PostgreSQL						✓				
ProxyHost	✓	✓				✓	✓	✓	✓	
SAP for MaxDB										
SAP for Oracle						✓				
Sybase						✓				
Unix File Systems	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Workstation Backup		✓								
ARCHIVE										
Domino Mailbox Archiver						✓			✓	
Exchange Compliance Archiver						✓	✓		✓	
Exchange Mailbox Archiver						✓	✓		✓	
Exchange Public Folder Archiver						✓	✓		✓	
File Archiver for BlueArc		✓				✓	✓	✓	✓	
File Archiver for Celerra		✓				✓	✓	✓	✓	
File Archiver for NetApp		✓				✓	✓	✓	✓	
File Archiver for Unix		✓				✓	✓	✓	✓	
File Archiver for Windows		✓				✓	✓	✓	✓	
Generic File Archiver for NAS		✓				✓	✓	✓	✓	
SharePoint Archiver		✓				✓	✓	✓	✓	
REPLICATION										
ContinuousDataReplicator										
SRM										
SRM Exchange Agent										
SRM for Virtual Server										
SRM NAS Agent										
SRM NetWare Proxy Agent										
SRM Oracle Agent										
SRM SharePoint Agent										
SRM SQL Agent										
SRM UNIX File System Agent										
SRM Windows File System Agent										
VIRTUALIZATION										
Microsoft Hyper-V						✓	✓		✓	
VMware						✓	✓		✓	
LAPTOP										
Laptop Backup (Linux)	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Laptop Backup (Macintosh)	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Laptop Backup (Windows)	✓	✓	✓	✓	✓	✓	✓	✓	✓	
										Offi Commu Server d supp • Resto Using Expre • Rename Files or • Autc Deter Re

Restore/Recover/Retrieve Destinations - Support

Topics | Restore Options | Support | Related Topics

The following table lists the Restore Destinations supported by each Agent. Note that the following table does not provide comprehensive information on all the restore options provided by each of the Agents. See also Restore/Recover/Retrieve Options - Support and Restore/Recover/Retrieve - Others Options - Support for a comprehensive list.

	CROSS-APPLICATION RESTORES (DIFFERENT APPLICATION VERSION)	CROSS-PLATFORM RESTORES - DIFFERENT OPERATING SYSTEM	CROSS-PLATFORM RESTORES - SAME OPERATING SYSTEM - DIFFERENT VERSION	IN-PLACE RESTORE - SAME PATH/ DESTINATION - SAME CLIENT	OUT-OF-PLACE RESTORE - DIFFERENT PATH/ DESTINATION	OUT-OF-PLACE RESTORE - SAME PATH/ DESTINATION - DIFFERENT CLIENT	RESTORE DATA USING A MAP FILE	RESTORE TO NETWORK DRIVE /NFS-MOUNTED FILE SYSTEM	COMMENTS
BACKUP									
Active Directory				✓					The Active Directory <i>iDataAgent</i> allows you to perform in-place restores of Active Directory attributes and objects. You cannot restore an Active Directory attribute or object to a different tree path.
DB2			✓	✓	✓	✓		✓	See Restore Destinations for this <i>iDataAgent</i> .
DB2 DPF			✓	✓	✓	✓			See Restore Destinations for this <i>iDataAgent</i> .
Documentum				✓	✓	✓			
External Data Connector									
Image Level		✓	✓	✓	✓	✓		✓	See Restore Destinations for this <i>iDataAgent</i> .
Informix			✓	✓		✓			
Lotus Notes Database	✓		✓	✓	✓	✓		✓	See Restore Destinations for this <i>iDataAgent</i> .
Lotus Notes Document	✓		✓	✓	✓	✓		✓	See Restore Destinations for this <i>iDataAgent</i> .
Macintosh File System			✓	✓	✓	✓	✓	✓	See Advanced Restore - Macintosh File System <i>iDataAgent</i>
Microsoft Data Protection Manager		✓	✓	✓	✓				See Restore Destinations for this

									iDataAgent.
Microsoft Exchange Database				✓	✓	✓		✓	See Advanced - Exchange Database Restore.
Microsoft Exchange Mailbox	✓		✓	✓	✓	✓			See Advanced - Exchange Mailbox Restore.
Microsoft Exchange Public Folder	✓		✓	✓		✓			See Advanced - Exchange Public Folder Restore.
Microsoft SharePoint Server	✓			✓	✓	✓			Cross-Application Restores is not supported for SharePoint Database. See Restore Destinations for this iDataAgent.
Microsoft SQL Server	✓		✓	✓	✓	✓			See Advanced - Microsoft SQL Server Restore.
Microsoft Windows File Systems		✓	✓	✓	✓	✓	✓	✓	See Advanced - Windows File System Restore.
MySQL			✓	✓	✓	✓			See Restore Destinations for this iDataAgent.
NAS		✓	✓	✓	✓	✓	✓		See Advanced - NAS iDataAgent Restore for this iDataAgent.
Novell Directory Service		✓	✓	✓		✓			See Restore Destinations for this iDataAgent.
Novell GroupWise		✓	✓	✓	✓	✓			See Restore Destinations for this iDataAgent.
OES File System			✓	✓	✓	✓			See Restore Destinations for this iDataAgent.
Oracle			✓	✓	✓	✓			See Advanced Restore - Oracle iDataAgent for this iDataAgent.
Oracle RAC			✓	✓	✓	✓			
PostgreSQL			✓	✓	✓	✓			
ProxyHost		✓	✓	✓	✓	✓		✓	See Restore Destinations for this

										iDataAgent.
SAP for MaxDB			✓	✓		✓				See Advanced - SAP for MAXDB Restore.
SAP for Oracle			✓	✓		✓				See Advanced - SAP for Oracle Restore.
Sybase			✓	✓	✓	✓				See Advanced Restore for this iDataAgent.
Unix File Systems		✓	✓	✓	✓	✓	✓	✓		See Advanced - Linux File System Restore.
Workstation Backup			✓	✓	✓	✓			✓	
ARCHIVE										
Domino Mailbox Archiver	✓		✓	✓	✓	✓			✓	
Exchange Compliance Archiver	✓			✓	✓	✓				See Retrieval Destinations for this Agent.
Exchange Mailbox Archiver	✓		✓	✓	✓	✓				See Recovery Destinations for this Agent.
Exchange Public Folder Archiver	✓		✓	✓		✓				See Recovery Destinations for this Agent.
File Archiver for BlueArc			✓	✓	✓	✓			✓	
File Archiver for Celerra			✓	✓	✓	✓			✓	
File Archiver for NetApp			✓	✓	✓	✓			✓	
File Archiver for Unix			✓	✓	✓	✓			✓	See Recovery Destinations for this Agent.
File Archiver for Windows			✓	✓	✓	✓			✓	See Recovery Destinations for this Agent.
Generic File Archiver for NAS			✓	✓	✓	✓			✓	
SharePoint Archiver	✓			✓	✓	✓				See Recovery Destinations for this Agent.
REPLICATION										
ContinuousDataReplicator			✓	✓		✓				See Recovery Destinations for this Agent.
SRM										
SRM Exchange Agent										

SRM for Virtual Server									
SRM NAS Agent									
SRM NetWare Proxy Agent									
SRM Oracle Agent									
SRM SharePoint Agent									
SRM SQL Agent									
SRM UNIX File System Agent									
SRM Windows File System Agent									
VIRTUALIZATION									
Microsoft Hyper-V		✓	✓	✓	✓	✓		✓	
VMware		✓	✓	✓	✓	✓		✓	
LAPTOP									
Laptop Backup (Linux)		✓	✓	✓	✓	✓	✓	✓	See Advanced - Linux File System Restore.
Laptop Backup (Macintosh)			✓	✓	✓	✓	✓	✓	See Advanced Restore - Macintosh File System ;DataAgent
Laptop Backup (Windows)		✓	✓	✓	✓	✓	✓	✓	See Advanced - Windows File System Restore.

Overwrite Options - Support

Topics | How To | Support | Related Topics

The following table lists the overwrite options supported by each Agent. For additional information on Agent-specific support considerations, see Things to Consider in Overwrite Options.

	OVERWRITE FILES	OVERWRITE IF FILE ON MEDIA IS NEWER	RESTORE ONLY IF TARGET EXISTS	UNCONDITIONAL OVERWRITE	UNCONDITIONALLY OVERWRITE ONLY IF TARGET IS A DATAARCHIVER STUB	COMMENTS
BACKUP						
Active Directory						
DB2						
DB2 DPF						
Documentum	✓	✓		✓		
External Data Connector						
Image Level				✓		
Informix						
Lotus Notes Database				✓		
Lotus Notes Document						
Macintosh File System	✓	✓	✓	✓		
Microsoft Data Protection Manager	✓	✓	✓	✓		
Microsoft Exchange Database						
Microsoft Exchange Mailbox				✓	✓	Unconditional Overwrite for existing messages.
Microsoft Exchange Public Folder				✓		Unconditional Overwrite for existing messages.
Microsoft SharePoint Server				✓		Unconditional Overwrite for existing messages is supported for SharePoint Document.
Microsoft SQL Server				✓		Unconditional Overwrite for existing messages.
Microsoft Windows File Systems	✓	✓	✓	✓		
MySQL						
NAS						
Novell Directory Service				✓		
Novell GroupWise						
OES File System	✓	✓	✓	✓		
Oracle						
Oracle RAC						
PostgreSQL						
ProxyHost				✓		
SAP for MaxDB						
SAP for Oracle						
Sybase						
Unix File Systems	✓	✓	✓	✓		
Workstation Backup						
ARCHIVE						
Domino Mailbox Archiver				✓	✓	
Exchange Compliance Archiver				✓		Unconditional Overwrite for existing messages.

Exchange Mailbox Archiver				✓	✓	Unconditional Overwrite for existing messages.
Exchange Public Folder Archiver				✓		Unconditional Overwrite for existing messages.
File Archiver for BlueArc	✓	✓	✓	✓	✓	
File Archiver for Celerra	✓	✓	✓	✓	✓	
File Archiver for NetApp	✓	✓	✓	✓	✓	
File Archiver for Unix	✓	✓	✓	✓	✓	
File Archiver for Windows	✓	✓	✓	✓	✓	
Generic File Archiver for NAS	✓	✓	✓	✓	✓	
SharePoint Archiver						
REPLICATION						
ContinuousDataReplicator						
SRM						
SRM Exchange Agent						
SRM for Virtual Server						
SRM NAS Agent						
SRM NetWare Proxy Agent						
SRM Oracle Agent						
SRM SharePoint Agent						
SRM SQL Agent						
SRM UNIX File System Agent						
SRM Windows File System Agent						
VIRTUALIZATION						
Microsoft Hyper-V				✓		Unconditional Overwrite for existing messages.
VMware				✓		Unconditional Overwrite for existing messages.
LAPTOP						
Laptop Backup (Linux)	✓	✓	✓	✓		
Laptop Backup (Macintosh)	✓	✓	✓	✓		
Laptop Backup (Windows)	✓	✓	✓	✓		

Restore/Recover/Retrieve - Other Options - Support

Topics | Restore Options | Support | Related Topics

The following table provides a list of Restore Options uniquely supported by Agents. Note that the following table does not provide comprehensive information on all the restore options provided by each of the Agents. See also Restore/Recover/Retrieve Options - Support and Restore/Recover/Retrieve Destinations - Support for a comprehensive list.

BACKUP & RECOVERY	Other Restore Options
Active Directory	Restore Data to an Active Directory Tree Active Directory Offline Mining
DB2	Rerun Failed DB2 Restore Jobs Restore DB2 Databases Created in a User-defined Directory Restore DB2 Databases with Specific Parameters Containing a Non-default Value
DB2 DPF	
Image Level	File Level Restores Volume Level Restores
Image Level on Unix	Volume Level Restores
Image Level ProxyHost	File Level Restores Volume Level Restores
Informix	Restore from the Latest Backup Restore up to a Point in Time Restore up to a Specified Logical Log
Lotus Notes/ Domino Server	Perform Cross-Machine Restore of Databases
Macintosh File System	Restore to a Network Drive/NFS-Mounted File System
Microsoft Exchange Server	
Database	Advanced - Microsoft Exchange Database iDataAgent Restore
Mailbox	Advanced - Exchange Mailbox iDataAgent Restore
Public Folder	Advanced - Exchange Public Folder iDataAgent Restore
Exchange Offline Mining Tool	Restore Messages to a PST File or MSG File (see Exchange Offline Mining Tool)
Microsoft SharePoint Server	
SharePoint Database	See SharePoint Database
SharePoint Document	Restoring a SharePoint Server Document Unconditional Overwrite/Skip Restore All Versions
Microsoft SQL Server	Recovering a Database Restore SQL Server Files/File Groups <ul style="list-style-type: none"> Restore one or more Files or File Groups Restore a Database using File/File Group Level Performing Partial (Piecemeal) Restore of a Database (For SQL Server 2005) Restoring SQL Server Transaction Logs (Step Restore) Applying Log Backups Restoring SQL Databases to a Point in Time Restoring SQL Server Databases to a Transaction Mark Restoring only the Logs Preserving Replication Settings Restoring the Captured Changed (For SQL Server 2008 and above) Increasing the VDI Timeout Performing an Out-of-Place Restore <ul style="list-style-type: none"> Copying a Database to a Different Location Copying a Database to a Different SQL Server Instance Moving a Database
Microsoft Data Protection Manager	
Microsoft Windows File Systems	Restore ACLs Only

MySQL	Restore Data to a Point in Time Recover Data with the Database Online
NAS	Supported Vendors - NAS iDataAgent
NetWare Server	Restore NetWare Data to a Protected Directory Restore NetWare Server Specific Information
Oracle	Redirecting Data During Restore Restore and Recover a Database to a New Host with the Same Directory Structure Restore and Recover a Database to a New Host with a Different Directory Structure Restore and Recover One or More Datafile(s)/Tablespace(s) in ARCHIVELOG Mode to the Current Time Restore and Recover an Entire Database to a Previous Point-In-Time Restore and Recover an Entire Database to the Current Time Restore and Recover from a Copy of the Control/SP File Restore and Recover All Control Files Restore Control Files from Autobackup Duplicate Database Standby Database Validate Restore Archive Log Recover Database Enhancing Restore Performance Opening the Database after Restore Resetting the Logs After Restore Resetting the Database After Restore
Oracle RAC	Restore Control Files from Autobackup Duplicate Database Validate
ProxyHost	Restore Exchange Data using ProxyHost Restore Oracle Databases using ProxyHost Restore SQL Data using ProxyHost
SAP for Oracle and MAXDB	Restore Data from the SAP Command Line
Sybase	Restore Data to a Point in Time Restoring and Recovering the Databases Restoring the Databases without a Recovery Restoring Databases to a New Device Restoring a Database to the Current State (Step-by-Step Restore)
Unix File Systems	Maximum Filename Length for Unix File System iDataAgent Restores Restore Unix Raw Devices (AIX, HP-UX, Linux, Solaris) Restore Macintosh File System Resource Fork Data Restore Data to Trusted Solaris 10 Systems
Virtual Server	
Workstation Backup	
QUICKRECOVERY	
QuickRecovery Agent	Recover a QR Volume Recover a QR Application Volume Convert a QR Volume into a Primary Volume Transfer Data from a QR Volume to a New Primary Volume
Recovery Director	
ARCHIVE MANAGEMENT	
Domino Mailbox Archiver	Recover a Message from a Lotus Notes Mailbox Client
Exchange Compliance Archiver	Advanced Recover - Exchange Compliance Archiver Agent
Exchange Mailbox Archiver	Advanced Recover - Exchange Mailbox Archiver Agent
Exchange Public Folder Archiver	Advanced Recover - Exchange Public Folder Archiver Agent
File Archiver Agents (Windows, NetWare, Unix)	Recover ACLs Unconditional Overwrite Preserve Levels of Source Path

	Remove Levels from Source Path Impersonate User Recover a File from the CommCell Console Recover a File from the NetWare System Console Recover a File from a Unix Terminal Window Recover a File from Windows Explorer Recover Multiple Files from Windows Explorer
SharePoint Archiver	Recover a Document from SharePoint Server User Interface Recover a Document from the Commcell Console
Content Indexing & Search	
Content Indexing Engine	
Web Search Server	
CONTINUOUSDATAREPLICATOR	
ContinuousDataReplicator	Copyback Mount or Share Recovery Points Restore Data from File System Backups of Recovery Points
SRM	
SRM Server	
SRM Exchange Agent	
SRM NetWare Proxy Agent	
SRM NAS Agent	
SRM SharePoint Agent	
SRM SQL Agent	
SRM UNIX File System Agent	
SRM Windows File System Agent	

Robust Network Layer - Support

[Topics](#) | [How To](#) | [Support](#) | [Related Topics](#)

Robust Network Layer feature is supported by Windows/UNIX clients and Media Agents.

Schedule Policy - Support

Getting Started | **Advanced** | Best Practices | FAQ | Support

◀ Previous Next ▶

For Calypso, the following table lists the agents and if a Data Protection Schedule Policy is supported by each of these agents. For SRM, the table lists the agents and if a Data Collection Schedule Policy and a Reports Schedule Policy are supported by each of these agents.

	AGENT SPECIFIC DATA PROTECTION SCHEDULE POLICY	ALL AGENT TYPES SCHEDULE POLICY	COMMENTS
BACKUP			
Active Directory	✓	✓	
DB2	✓	✓	
DB2 DPF	✓	✓	
Documentum	✓	✓	
External Data Connector	✓	✓	
Image Level	✓	✓	
Informix	✓	✓	
Lotus Notes Database	✓	✓	
Lotus Notes Document	✓	✓	
Macintosh File System	✓	✓	
Microsoft Data Protection Manager	✓	✓	
Microsoft Exchange Database	✓	✓	
Microsoft Exchange Mailbox	✓	✓	
Microsoft Exchange Public Folder	✓	✓	
Microsoft SharePoint Server	✓	✓	For Agent Specific Data Protection Schedule Policy , the Full Job option is applicable for SharePoint Database backup sets. Other jobs options such as Incremental, Differential, or Synthetic are applicable for SharePoint Document backup sets.
Microsoft SQL Server	✓	✓	
Microsoft Windows File Systems	✓	✓	
MySQL	✓	✓	
NAS	✓	✓	
Novell Directory Service	✓	✓	
Novell GroupWise	✓	✓	
OES File System	✓	✓	
Oracle	✓	✓	
Oracle RAC	✓	✓	
PostgreSQL	✓	✓	
ProxyHost	✓	✓	
SAP for MaxDB	✓	✓	
SAP for Oracle	✓	✓	
Sybase	✓	✓	
Unix File Systems	✓	✓	
Workstation Backup	✓	✓	
ARCHIVE			
Domino Mailbox Archiver	✓	✓	
Exchange Compliance Archiver	✓	✓	
Exchange Mailbox Archiver	✓	✓	
Exchange Public Folder Archiver	✓	✓	

File Archiver for BlueArc	✓	✓	
File Archiver for Celerra	✓	✓	
File Archiver for NetApp	✓	✓	
File Archiver for Unix	✓	✓	
File Archiver for Windows	✓	✓	
Generic File Archiver for NAS	✓	✓	
SharePoint Archiver	✓	✓	
REPLICATION			
ContinuousDataReplicator			
SRM			
SRM Exchange Agent	✓	✓	
SRM for Virtual Server	✓	✓	
SRM NAS Agent	✓	✓	
SRM NetWare Proxy Agent	✓	✓	
SRM Oracle Agent	✓	✓	
SRM SharePoint Agent	✓	✓	
SRM SQL Agent	✓	✓	
SRM UNIX File System Agent	✓	✓	
SRM Windows File System Agent	✓	✓	
VIRTUALIZATION			
Microsoft Hyper-V	✓	✓	
VMware	✓	✓	
LAPTOP			
Laptop Backup (Linux)	✓	✓	
Laptop Backup (Macintosh)	✓	✓	
Laptop Backup (Windows)	✓	✓	

SnapProtect™ Backup - Support

TABLE OF CONTENTS

Initial SnapProtect Setup

License Requirements

Supported Storage Arrays

Backup Types

Platforms

Supported Volume Managers

Multipath I/O Support

INITIAL SNAPPROTECT SETUP

Initial deployment and successful run of SnapProtect backup may take around 4 weeks due to the various environment dependencies. The following parameters are known to affect the deployment and initial run and hence need a thorough evaluation:

- Firmware versions on the array
- Device types
- Mode of access
- Security configuration
- Operating Systems interacting with the storage array
- Application layout on the storage array LUNs

LICENSE REQUIREMENTS

- The SnapProtect feature requires the **Snap Protect Enabler** license.
- The NetApp SnapVault/SnapMirror feature requires the **NetApp Snap Management** license.

SUPPORTED STORAGE ARRAYS

The SnapProtect backup is designed to work in conjunction with the following storage arrays, which provide snapshot functionality for data protection operations:

SUPPORTED HARDWARE ARRAYS						
VENDOR	SNAPSHOT	VERSION/FIRMWARE	REQUIRED LICENSING	REQUIRED SOFTWARE	PROTOCOL	NOTES/CAVEATS
DELL COMPELLENT	Snapshot	Storage Center 5.5.14 and above for 5.x and 6.2.2 and above for 6.x	Snapshot Replay licensing	None	Fibre Channel FCoE (Fibre Channel over Ethernet)* iSCSI	Supported on Windows, Linux and VMware. No HyperV Compellent Live Volume feature is not supported.
DELL EQUALLOGIC	Snapshot Clone	4.2.0	Included	None	iSCSI	On Red Hat Linux computers using version 5.0, only 32-bit is supported. No HyperV, or UNIX. Boot from SAN volumes is not supported.
EMC CLARIION	SnapView Snap SnapView Clone	CX500 / CX700 CX3-10 thru CX3-80 CX4-120 thru CX4-960	SnapView Snapshot/Clone Solutions Enabler Licensing	Solutions Enabler 6.5.1 or higher on Client and Proxy Navisphere CLI on Client and Proxy NaviAgent on Client and Proxy	Fibre Channel FCoE (Fibre Channel over Ethernet)*	No HyperV Client Components (SYMCLI) are required only during the initial one-time configuration. Base Components (with SYMAPI) are necessary and required for all snap

						operations. Not supported on HP-UX
EMC VNX	SnapView Snap SnapView Clone	VNX 5100, 5300, 5500, 5700, 7500	SnapView Snapshot/Clone Solutions Enabler Licensing	Solutions Enabler 7.1 or higher on Client and Proxy Unisphere CLI on Client and Proxy Unisphere Host Agent on Client and Proxy	Fibre Channel FCoE (Fibre Channel over Ethernet)* iSCSI	No HyperV VMware with NFS datastores are not supported. iSCSI PowerPath LUNs are not supported. Client Components (SYMCLI) are required only during the initial one-time configuration. Base Components (with SYMAPI) are necessary and required for all snap operations. For configuring a VNX array, refer to the step-by-step instructions provided for EMC Clariion. Not supported on HP-UX
EMC CELERRA	SnapSure Snap	DART 5.5 or Newer	SnapSure Snap License Solutions Enabler Licensing	Solutions Enabler 6.5.1 or higher on Client and Proxy Navisphere CLI on Client and Proxy	NFS	Supported on VMware 4.x. No HyperV Not supported on HP-UX
EMC SYMMETRIX	TimeFinder Snap TimeFinder Mirror	DMX3 or Newer	TimeFinder Snap, Mirror, Clone Licenses Solutions Enabler Licensing	Solutions Enabler 6.4 or higher on Client and Proxy	Fibre Channel FCoE (Fibre Channel over Ethernet)*	No HyperV Remote SymApi Server is not supported. Client Components (SYMCLI) are required only during the initial one-time configuration. Base Components (with SYMAPI) are necessary and required for all snap operations.
EMC VMAX	TimeFinder Snap, Mirror and Clone	VMAX	TimeFinder Snap, Mirror, Clone Licenses Solutions Enabler Licensing	Solutions Enabler 7.2 or higher on Client and Proxy	Fibre Channel FCoE (Fibre Channel over Ethernet)*	No HyperV Client Components (SYMCLI) are required only during the initial one-time configuration. Base Components (with SYMAPI) are necessary and required for all snap operations.
FUJITSU ETERNUS DX	SnapOPC Snap EC Clone	Fujitsu ETERNUS DX V10L22-1000 or higher ETERNUS DX S2 series - 80, 90, 410, 440, 8100, 8700	Local Copy Thin Provisioning	None	iSCSI Fibre Channel FCoE (Fibre Channel over Ethernet)*	No HyperV Revert is not supported.
HITACHI DATA SYSTEMS AMS	Copy-on-Write Shadow Image	AMS 100, 200, & 500 AMS 1000, 2100, 2300, & 2500	Licenses for Copy-on-Write (COW) snapshot and Shadow Image	Device Manager 7.1.1 (or higher) Agent installed on Client and Proxy Device Manager Server 7.1.1 (or higher) installed on any computer RAID Manager (01-25-03/05 or higher) installed on Client and	Fibre Channel FCoE (Fibre Channel over Ethernet)*	No HyperV The Virtual Server iDataAgent must be installed on a physical server and not on a virtual machine. The Virtual Machine HotAdd feature is not supported. The Virtual Server

				Proxy		iDataAgent supports SnapProtect Backups when Hitachi Dynamic Link Manager (HDLM) plugin for VMWare is used for multipathing on the VMWare ESX Server.
HITACHI DATA SYSTEMS USP/VSP	Copy-on-Write Shadow Image	HDS USP, USPv, VSP	Licenses for Copy-on-Write (COW) snapshot and Shadow Image	Device Manager 7.1.1 (or higher) Agent installed on Client and Proxy Device Manager Server 7.1.1 (or higher) installed on any computer RAID Manager (01-25-03/05 or higher) installed on Client and Proxy	Fibre Channel FCoE (Fibre Channel over Ethernet)*	No HyperV COW support for USP volumes. COW and SI support for VSP volumes. Dynamic Provisioned volumes (DP-VOL) are also supported. The Virtual Server iDataAgent must be installed on a physical server and not on a virtual machine. The Virtual Machine HotAdd feature is not supported. The Virtual Server iDataAgent supports SnapProtect Backups when Hitachi Dynamic Link Manager (HDLM) plugin for VMWare is used for multipathing on the VMWare ESX Server.
HITACHI DATA SYSTEMS HUS	Copy-on-Write Shadow Image	HUS 100 series	Licenses for Copy-on-Write (COW) snapshot and Shadow Image	Device Manager 7.2.1 (or higher) Agent installed on Client and Proxy Device Manager Server 7.2.1 (or higher) installed on any computer RAID Manager (01-26-03/02 or higher) installed on Client	Fibre Channel FCoE (Fibre Channel over Ethernet)*	No HyperV The Virtual Server iDataAgent must be installed on a physical server and not on a virtual machine. The Virtual Machine HotAdd feature is not supported. The Virtual Server iDataAgent supports SnapProtect Backups when Hitachi Dynamic Link Manager (HDLM) plugin for VMWare is used for multipathing on the VMWare ESX Server.
HP EVA	EVA Business Copy Snapshot and Clone	EVA	HP Business Copy EVA feature	HP SMI-S EVA on Server Command View Version 9.1, 9.3, 10.0	Fibre Channel FCoE (Fibre Channel over Ethernet)* iSCSI	No HyperV
HP (HDS OEM) XP, P9500 ARRAYS	Copy-on-Write Shadow Image	XP 12000 – 24000 P9500	Licenses for Copy-on-Write (COW) snapshot and Shadow Image	HP StorageWorks Command View Advanced Edition Agent (Device Manager 7.1.1 or higher) installed on client and proxy computers HP StorageWorks Command View Advanced Edition Server (Device Manager 7.1.1 or higher) installed on any computer. HP StorageWorks	Fibre Channel FCoE (Fibre Channel over Ethernet)*	No HyperV The Virtual Machine HotAdd feature is not supported.

				RAID Manager installed on client and proxy computers.		
HP 3PAR	Snapshot and Clone	InServ F200 3.1.2 or higher	Thin Provisioning (4096G) Virtual Copy	3PAR SMI-S on Server	Fibre Channel FCoE (Fibre Channel over Ethernet)* iSCSI	No HyperV Also supports 2.3.1 (MU4) or higher except 3.1.1.342, 3.1.1 MU1 + Patch 10 and 3.1.1 (MU2)
IBM SVC	Flash Copy Space-efficient Flash Copy	SVC / V7000 6.1.0.7 or higher	FlashCopy	IBM SMI-S on Server	Fibre Channel FCoE (Fibre Channel over Ethernet)* iSCSI	No HyperV
IBM XIV	Snap	ANY XIV Array	Included	IBM XCLI 2.3 or higher on Client and proxy	Fibre Channel FCoE (Fibre Channel over Ethernet)* iSCSI	No HyperV
NETAPP E-SERIES (LSI ARRAYS)	Snapshot VolumeCopy	Dell MD Series - 3000(i), 3200(i), 3220(i) IBM DS - 3200, 3300, 3400 - 3512, 3524, 3950, 4100, 4200, 4300, 4400, 4500 - 4700, 4800, 5020, 5100, 5300 SGI IS - 220, 350, 400, 4xxx, 5xxx SGI TP - 9300(s), 9400(s), 9500(s) Sun - 25xx, 61xx, 65xx, 6780, 9176, FLX210, FLX240, FLX280	Snapshot VolumeCopy	LSI SMI-S on Server and server 10.10.6054 or higher	Fibre Channel FCoE (Fibre Channel over Ethernet)* iSCSI	No HyperV SAN Transport mode with Virtual Server iDataAgent is not supported as snapshots cannot be mapped to two different host groups.
NETAPP	Snapshot	ONTAP 7.3.5 or ONTAP 8.1.x (7-mode only)	FlexClone SnapRestore SnapVault/Mirror for replication	A server running NetApp DataFabric Manager server software 4.0.2 or later, or OnCommand UM 5.x is required.	Fibre Channel FCoE (Fibre Channel over Ethernet)* iSCSI NFS	Supported on HP-UX running on Intel Itanium processors using Fibre Channel.
NIMBLE	Snapshot	1.2.2.0-17686 1.3.0.0-22989	Included	None	iSCSI	Supported on x64-bit Windows platforms

SUPPORTED HARDWARE ARRAYS FOR REPLICATED ENVIRONMENTS						
VENDOR	SNAPSHOT	VERSION/FIRMWARE	REQUIRED LICENSING	REQUIRED SOFTWARE	PROTOCOL	NOTES/CAVEATS
NETAPP WITH SNAPVAULT SNAPMIRROR	SnapVault SnapMirror	ONTAP 7.3.5 or higher ONTAP 8.0.1, 8.0.2 and 8.1.0 (7-mode supported)	SnapVault/SnapMirror Primary and Secondary FlexClone SnapRestore	DataFabric Manager version 4.0.2 (Apr 2011) or OnCommand 5.0 and 5.1 with ONTAP 8.1.0 Provisioning Manager, Protection Manager, & Operation Manager Licenses	Fibre Channel FCoE (Fibre Channel over Ethernet)* iSCSI NFS	Supported on HP-UX running on Intel Itanium processors using Fibre Channel. vFilers not supported as a destination. For vFiler NAS iDataAgent clients, indexing snapshot data is only supported with ONTAP 8.1.1 or later or if the physical file server containing the vfiler is entered into Array Management.

*Supported through Field Certification. Contact your Software Provider or Professional Services to see if the specific FCoE can be supported.

SUPPORTED SOFTWARE SNAPSHOT ENGINES						

VENDOR	SNAPSHOT	VERSION/FIRMWARE	REQUIRED LICENSING	REQUIRED SOFTWARE	NOTES/CAVEATS
DATA REPLICATOR	Not applicable	Not applicable	Local native snapshot license (Volume manager snapshot license or QSnap license) Hardware Snap Engine or native snap or QSnap license	ContinuousDataReplicator	

LUNs should be from same storage array. LUNs from different storage arrays of same model/vendor or different models/vendors are not supported.

Dynamic Disks on Window Operating Systems are not supported.

When performing SnapProtect backup for a Windows MSCS Cluster, a separate proxy server (external to the cluster nodes) must be used for mount, backup and restore operations as disk signature conflicts may occur if these operations are performed from one of the servers in the cluster.

The use of iSCSI is not supported when performing SnapProtect operations on computers running Solaris.

Boot from SAN volumes is not supported.

When the client is running on a virtual machine, you can perform the SnapProtect backup of the Fibre channel RDM devices if they are located on the NetApp storage array. However, you cannot use Virtual Server *iDataAgent* to perform the SnapProtect backup in such scenario. You can use any other *iDataAgent*, such as File System *iDataAgent* or Exchange Database *iDataAgent* etc.

For information on the supported snapshot engines, see Hardware Snapshot Engine Compatibility Matrix.

BACKUP TYPES

The following table lists the Agents supporting the SnapProtect backup and provides information about the various options supported by each of these Agents.

AGENTS	FULL BACKUP	INCREMENTAL BACKUP	DIFFERENTIAL BACKUP	NOTES
VIRTUAL SERVER (VMWARE)	√	√		Backup of VM Templates is not supported. Virtual Server instances configured with ESX server are not supported. Instances should be configured using Virtual Center. SRM is not supported.
EXCHANGE DATABASE	√	√	√	SnapProtect backups are not supported on Exchange 2007 CCR Passive nodes. DDR snapshots are not supported on Exchange 2010 DAG clients. SRM is not supported.
ORACLE	√	√		Incremental backups are applicable for Backup copies. See Backup Copy Operations for more information.
MICROSOFT SQL SERVER	√		√	Transactional Log backups always use the traditional backup method. Log backups are stored in the Primary (classic) copy.
NAS	√	√	√	
VIRTUAL SERVER (HYPER-V)	√			SnapProtect backups support online virtual machines with NetApp file servers. Other storage array vendors use the traditional backup method. To perform a SnapProtect backup, the virtual machine must be offline. SRM is not supported.
SAP FOR ORACLE	√			
DB2	√			Backup of partial databases is not supported. Log files always use the

				traditional backup method.
UNIX FILE SYSTEM	✓	✓	✓	On Demand Backup Set is not supported for SnapProtect Backup. Raw partitions in Unix are supported. Mirrored Volume Manager/ZFS/ASM configuration is not supported.
WINDOWS FILE SYSTEM	✓	✓	✓	On Demand Backup Set is not supported for SnapProtect Backup.

PLATFORMS

The following table lists the platforms supported for SnapProtect backup. The latest updates should be installed on all the platforms.

For AIX and Solaris, SnapProtect backups are supported for clients using the 32-bit packages of Calypso.

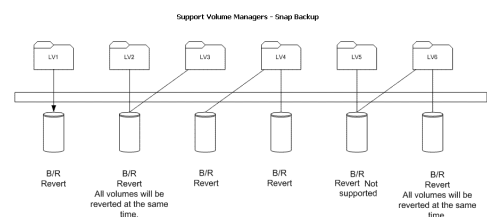
IntelliSnap with Veritas Volume Manager requires ALUA compliant LUNs (primary and secondary). For non-compliant ALUA LUNs, a workaround is explained in this Symantec KB article.

OPERATING SYSTEM	CLUSTER SUPPORT	FILE SYSTEMS	DATABASES	APPLICATIONS
WINDOWS 2003 AND HIGHER	MSCS	NTFS	SQL version 2005, 2008, 2012 Exchange 2003, 2007, 2010 – including DAG	
VMWARE ESX		iSCSI/FC/NFS datastores	ESX vSphere 4.x & vSphere 5.0	
AIX 5.3, 6.1, 7.1 (LPARS SUPPORTED, VIRTUAL SCSI DEVICES NOT SUPPORTED)	Veritas Cluster, HACMP	JFS, JFS2, VxFS	Oracle 10g R2, Oracle 11g R1 & R2, DB2 version 9 or higher	SAP Brtools 7.0 & 7.1 on Oracle 10g R2, Oracle 11g R1 & R2
HP-UX 11 V2/V3 (PA-RISC AND ITANIUM)	Veritas Cluster, Service Guard	HFS, VxFS, VxCFS	Oracle 10g R2, Oracle 11g R1 & R2 DB2 version 9 or higher	SAP Brtools 7.0 & 7.1 on Oracle 10g R2, Oracle 11g R1 & R2
ORACLE ENTERPRISE LINUX 5.X AND 6.X		ext2, ext3, reiserfs, VxFS	Oracle 10g R2, Oracle 11g R1 & R2, DB2 version 9 or higher	SAP Brtools 7.0, 7.1 & 7.2 on Oracle 10g R2, Oracle 11g R1 & R2
RED HAT/CENTOS LINUX 4.X AND 5.X	Linux Cluster Veritas Cluster	ext2, ext3, reiserfs, VxFS	Oracle 10g R2, Oracle 11g R1 & R2, DB2 version 9 or higher	SAP Brtools 7.0 & 7.1 on Oracle 10g R2, Oracle 11g R1 & R2
RED HAT/CENTOS LINUX 6.X	Linux Cluster Veritas Cluster	ext2, ext3, ext4, reiserfs, VxFS	Oracle 10g R2, Oracle 11g R1 & R2, DB2 version 9 or higher	SAP Brtools 7.0, 7.1 & 7.2 on Oracle 10g R2, Oracle 11g R1 & R2
SOLARIS 10 SPARC (SOLARIS ZONES SUPPORTED)	Sun Cluster Veritas Cluster	UFS, VxFS, ZFS	Oracle 10g R2, Oracle 11g R1 & R2, DB2 version 9 or higher	SAP Brtools 7.0, 7.1 & 7.2 on Oracle 10g R2, Oracle 11g R1 & R2
SOLARIS 11 EXPRESS		UFS, VxFS, ZFS		
SUSE LINUX ENTERPRISE SERVER 10.2 AND 11	Veritas Cluster	ext2, ext3, ext4, reiserfs, VxFS	Oracle 10g R2, Oracle 11g R1 & R2, DB2 version 9 or higher	SAP Brtools 7.0 & 7.1 on Oracle 10g R2, Oracle 11g R1 & R2

The above list *does not* provide a comprehensive list of supported platforms for each agent. See System Requirements for information on the platforms supported by the individual Agents.

SUPPORTED VOLUME MANAGERS

- Logical Volume Manager
 - All versions supported on AIX and Linux
 - Versions 1.0 and 2.x supported on HP-UX
- VERITAS Volume Manager (VxVM) 5.0 for AIX, Linux and Solaris
- Solaris ZFS Mirror
- Solaris Volume Manager



When using the Solaris Volume Manager, ensure that a

complete disk is used for a metaset. Also, ensure that the metaset is owned by single host and the ownership of the metaset is attained before performing the SnapProtect backup operations.

Supported Configurations:

- One Physical Volume containing one Logical Volume
- One Physical Volume containing one or more Logical Volumes
- Multiple Physical Volumes containing one Logical Volume
- Multiple Physical Volumes containing one or more Logical Volume

The adjacent diagram summarizes the Volume Manager support for SnapProtect backup.

MULTIPATH I/O SUPPORT

- For EMC CLARiiON, the SnapProtect backup is supported on the following Multipath I/O software. This support is provided using the SNAP_WITH_MULTIPATH_SOFTWARE registry key.
 - EMC Powerpath on AIX, Linux and Solaris.
- For Dell EqualLogic, install Dell EqualLogic Host Integration Tools package to support Multipath I/O.
- HP PVlinks, Solaris MPxIO, Linux Device Mapper and AIX MPIIO are supported in HPUX, Solaris, Linux and AIX respectively.
- VXVM DMP is supported in AIX, Solaris and HPUX.
- HDLM is not a supported MPIIO solution with SnapProtect.

Support - Snap Mining

BACKUP AND ARCHIVING SUPPORT

The following table provides backup and archiving support details for snap mining:

FILE SYSTEMS/APPLICATIONS	GRANULAR BACKUP	ARCHIVING	VMWARE SNAPPROTECT BACKUP	NOTES
MICROSOFT WINDOWS FILE SYSTEM	√		√	
UNIX/LINUX FILE SYSTEM	√		√*	*Support is for Linux ext3 File Systems
MICROSOFT EXCHANGE 2003, 2007, AND 2010 DATABASE	√*	√*	√**	*Support is for Mailbox-level backups/archives **VMware support is for Mailbox-level backups only
MICROSOFT EXCHANGE 2010 DAG DATABASE	√*	√		*Support is for Mailbox-level backups/archives
MICROSOFT SQL DATABASES FOR MICROSOFT SHAREPOINT	√			

Snapshot Engines - Support

Topics | Snapshot Engines | Support | Related Topics

The following table lists the snapshot engines supported by each Agent.

- To see more information about a specific snapshot engine, click the snapshot name.
- To see further details about applications and operating systems supported by an Agent, click the Agent name.

	Software Snapshots			Hardware Snapshots										
	QSnap	VSS	File System Snapshot	Compaq EVM	EMC SnapView	EMC Symmetrix/Time Finder	HDS: Shadow Image Quick Shadow True Copy	HP Storage Works EVA	NetApp ONTAP Snap Vault	NetApp OSSV Snap Vault ²	NetApp ONTAP Snap Mirror	ONTAP Snapshot	VSS Hardware Provider	
ContinuousDataReplicator														
Windows	✓	✓											✓	
AIX			✓										✓	
HP-UX													✓ ⁵	
Linux	✓		✓										✓	
Solaris	✓		✓										✓	
Image Level														
Windows	✓	✓												
Unix	✓													
Image Level ProxyHost														
Windows	✓													
Unix	✓													
ProxyHost														
Windows				✓ (2.0d ³)	✓ (1.0 & 2.0 ³)	✓	✓	✓ (2.0 ³)					✓	
Unix						✓	✓	✓ (2.0 ³)						
Quick Recovery¹ (and Recovery Director)														
Windows	✓	✓			✓ (2.0 only ³)		✓		✓	✓	✓	✓	✓	
AIX			✓				✓							
HP-UX							✓							
Red Hat Enterprise Linux			✓				✓		✓	✓ ⁴	✓	✓		
Solaris	✓		✓				✓		✓	✓	✓	✓		
Unix File Systems														
AIX	✓													
Red Hat Enterprise Linux	✓													
SuSE Linux	✓													
Solaris	✓													

NOTES

- Generic Enablers facilitate the use of additional hardware snapshots with Quick Recovery.
- OSSV SnapVault requires QSnap or VSS.
- Later versions of the snapshot vendor's software, where applicable, can be supported through field certification.
- OSSV is supported on the following Linux version for the Quick Recovery Agent: 64-bit Red Hat Linux 3.0.
- ONTAP is supported on PA-RISC computers.

Storage Policies - Support

Topics | How To | Support | Related Topics

The following table lists the Agents and the various Storage Policy Copy options supported by each of these Agents.

See also Alternate Data Paths (GridStor) - Support for support information on that feature.

*Incremental Storage Policies do not support Disaster Recovery Backups.

	INCREMENTAL STORAGE POLICY*	STANDARD STORAGE POLICIES	COMMENTS
BACKUP			
Active Directory	✓	✓	
DB2	✓	✓	Incremental Storage Policy does not support Transaction Log backups for this agent.
DB2 DPF	✓	✓	Incremental Storage Policy does not support Transaction Log backups for this agent.
Documentum	✓	✓	
External Data Connector			
Image Level	✓	✓	
Informix	✓	✓	Incremental Storage Policy does not support Transaction Log backups for this agent.
Lotus Notes Database	✓	✓	Incremental Storage Policy does not support Transaction Log backups for this agent.
Lotus Notes Document	✓	✓	Incremental Storage Policy does not support Transaction Log backups for this agent.
Macintosh File System	✓	✓	
Microsoft Data Protection Manager	✓	✓	
Microsoft Exchange Database	✓	✓	
Microsoft Exchange Mailbox	✓	✓	
Microsoft Exchange Public Folder	✓	✓	
Microsoft SharePoint Server	✓	✓	Incremental Storage Policy is not supported for SharePoint Database.
Microsoft SQL Server	✓	✓	Incremental Storage Policy does not support Transaction Log backups for this agent. One storage policy can be created for full backups, while another is created for differential backups (using incremental storage policy), and another for transaction log backups.
Microsoft Windows File Systems	✓	✓	
MySQL	✓	✓	
NAS	✓	✓	
Novell Directory Service	✓	✓	
Novell GroupWise	✓	✓	
OES File System	✓	✓	
Oracle	✓	✓	Incremental Storage Policy does not support Transaction Log backups for this agent.
Oracle RAC	✓	✓	Incremental Storage Policy does not support Transaction Log backups for this agent.
PostgreSQL		✓	
ProxyHost	✓	✓	
SAP for MaxDB		✓	
SAP for Oracle		✓	
Sybase	✓	✓	
Unix File Systems	✓	✓	
Workstation Backup			

ARCHIVE			
Domino Mailbox Archiver		✓	Incremental Storage Policy is not supported for archiving agents. Standard Storage Policies must be created for archive management.
Exchange Compliance Archiver		✓	Incremental Storage Policy is not supported for archiving agents. Standard Storage Policies must be created for archive management.
Exchange Mailbox Archiver		✓	Incremental Storage Policy is not supported for archiving agents. Standard Storage Policies must be created for archive management.
Exchange Public Folder Archiver		✓	Incremental Storage Policy is not supported for archiving agents. Standard Storage Policies must be created for archive management.
File Archiver for BlueArc		✓	
File Archiver for Celerra		✓	
File Archiver for NetApp		✓	
File Archiver for Unix		✓	Incremental Storage Policy is not supported for archiving agents. Standard Storage Policies must be created for archive management.
File Archiver for Windows		✓	Incremental Storage Policy is not supported for archiving agents. Standard Storage Policies must be created for archive management.
Generic File Archiver for NAS		✓	
SharePoint Archiver		✓	Incremental Storage Policy is not supported for archiving agents. Standard Storage Policies must be created for archive management.
REPLICATION			
ContinuousDataReplicator			
SRM			
SRM Exchange Agent			
SRM for Virtual Server			
SRM NAS Agent			
SRM NetWare Proxy Agent			
SRM Oracle Agent			
SRM SharePoint Agent			
SRM SQL Agent			
SRM UNIX File System Agent			
SRM Windows File System Agent			
VIRTUALIZATION			
Microsoft Hyper-V	✓	✓	
VMware	✓	✓	
LAPTOP			
Laptop Backup (Linux)	✓	✓	
Laptop Backup (Macintosh)	✓	✓	
Laptop Backup (Windows)	✓	✓	

Storage Policy Copies - Support

Topics | How To | Support | Related Topics

The following table lists the Agents and the various Storage Policy Copy options supported by each of these Agents. See also:

- Alternate Data Paths (GridStor) - Support
- Auxiliary Copy - Support

	DATA VERIFICATION	JOB BASED PRUNING	MANUAL RETENTION	MARK JOB DISABLED	SELECTIVE COPY	COMMENTS
BACKUP						
Active Directory	✓	✓	✓	✓	✓	
DB2	✓	✓	✓	✓	✓	Online fulls are supported for Selective Copy.
DB2 DPF	✓	✓	✓	✓	✓	Online fulls are supported for Selective Copy.
Documentum	✓	✓	✓	✓	✓	
External Data Connector						
Image Level	✓	✓	✓	✓	✓	
Informix	✓	✓	✓	✓	✓	
Lotus Notes Database	✓	✓	✓	✓	✓	
Lotus Notes Document	✓	✓	✓	✓	✓	
Macintosh File System	✓	✓	✓	✓	✓	
Microsoft Data Protection Manager	✓	✓	✓	✓	✓	
Microsoft Exchange Database	✓	✓	✓	✓	✓	
Microsoft Exchange Mailbox	✓	✓	✓	✓	✓	
Microsoft Exchange Public Folder	✓	✓	✓	✓	✓	
Microsoft SharePoint Server	✓	✓	✓	✓	✓	
Microsoft SQL Server	✓	✓	✓	✓	✓	
Microsoft Windows File Systems	✓	✓	✓	✓	✓	
MySQL	✓	✓	✓	✓	✓	
NAS	✓	✓	✓	✓	✓	Data Verification is supported for NetApp clients.
Novell Directory Service	✓	✓	✓	✓	✓	
Novell GroupWise	✓	✓	✓	✓	✓	
OES File System	✓	✓	✓	✓	✓	
Oracle	✓	✓	✓	✓	✓	Selective Copy is supported for Selective Online and Offline Fulls.
Oracle RAC	✓	✓	✓	✓	✓	Selective Copy is supported for Selective Online and Offline Fulls.
PostgreSQL	✓	✓	✓	✓	✓	
ProxyHost	✓	✓	✓	✓	✓	
SAP for MaxDB	✓	✓		✓	✓	
SAP for Oracle	✓	✓		✓	✓	Selective Copy is supported for command line jobs for Selective Online full backups from the client. (In the param file - include SelectiveOnlineFull parameter and set the parameter value to 1.)
Sybase	✓	✓	✓	✓	✓	
Unix File Systems	✓	✓	✓	✓	✓	
Workstation Backup						
ARCHIVE						
Domino Mailbox Archiver	✓	✓	✓	✓		
Exchange Compliance Archiver	✓	✓	✓	✓		

Exchange Mailbox Archiver	✓	✓	✓	✓		
Exchange Public Folder Archiver	✓	✓	✓	✓		
File Archiver for BlueArc	✓	✓	✓	✓		
File Archiver for Celerra	✓	✓	✓	✓		
File Archiver for NetApp	✓	✓	✓	✓		
File Archiver for Unix	✓	✓	✓	✓		
File Archiver for Windows	✓	✓	✓	✓		
Generic File Archiver for NAS	✓	✓	✓	✓		
SharePoint Archiver	✓	✓	✓	✓		
REPLICATION						
ContinuousDataReplicator						
SRM						
SRM Exchange Agent						
SRM for Virtual Server						
SRM NAS Agent						
SRM NetWare Proxy Agent						
SRM Oracle Agent						
SRM SharePoint Agent						
SRM SQL Agent						
SRM UNIX File System Agent						
SRM Windows File System Agent						
VIRTUALIZATION						
Microsoft Hyper-V	✓	✓	✓	✓	✓	
VMware	✓	✓	✓	✓	✓	
LAPTOP						
Laptop Backup (Linux)	✓	✓	✓	✓	✓	
Laptop Backup (Macintosh)	✓	✓	✓	✓	✓	
Laptop Backup (Windows)	✓	✓	✓	✓	✓	

Subclient Policies - Support

Topics | How To | Support | Related Topics

The following table lists the Agents that support Subclient Policies. See Subclient Policies for more information on this feature.

	SUBCLIENT POLICY	COMMENTS
BACKUP		
Active Directory		
DB2		
DB2 DPF		
Documentum		
External Data Connector		
Image Level		
Informix		
Lotus Notes Database		
Lotus Notes Document		
Macintosh File System	✓	
Microsoft Data Protection Manager		
Microsoft Exchange Database		
Microsoft Exchange Mailbox		
Microsoft Exchange Public Folder		
Microsoft SharePoint Server		
Microsoft SQL Server		
Microsoft Windows File Systems	✓	
MySQL		
NAS		
Novell Directory Service		
Novell GroupWise		
OES File System		
Oracle		
Oracle RAC		
PostgreSQL		
ProxyHost		
SAP for MaxDB		
SAP for Oracle		
Sybase		
Unix File Systems	✓	
Workstation Backup		
ARCHIVE		
Domino Mailbox Archiver		
Exchange Compliance Archiver		
Exchange Mailbox Archiver		
Exchange Public Folder Archiver		
File Archiver for BlueArc		
File Archiver for Celerra		
File Archiver for NetApp		
File Archiver for Unix		
File Archiver for Windows		
Generic File Archiver for NAS		
SharePoint Archiver		
REPLICATION		
ContinuousDataReplicator		

SRM		
SRM Exchange Agent		
SRM for Virtual Server		
SRM NAS Agent		
SRM NetWare Proxy Agent		
SRM Oracle Agent		
SRM SharePoint Agent		
SRM SQL Agent		
SRM UNIX File System Agent		
SRM Windows File System Agent		
VIRTUALIZATION		
Microsoft Hyper-V		
VMware		
LAPTOP		
Laptop Backup (Linux)	✓	
Laptop Backup (Macintosh)	✓	
Laptop Backup (Windows)	✓	

[Back to Top](#)

Upgrade - Support

Topics | Support | Related Topics

The following table lists the available upgrade types for each Agent. Note that this list does not include information on versions or operating systems. See System Requirements for information on supported versions and operating systems for each component.

	NETWARE - LOCAL	UNIX - REMOTE (PUSH)	UNIX/LINUX/MACINTOSH - LOCAL	UNIX/LINUX/MACINTOSH - SILENT	UPGRADE FROM COMMCELL CONSOLE	WINDOWS - LOCAL	WINDOWS - REMOTE (PUSH)	WINDOWS - SILENT
BACKUP								
Active Directory					✓	✓	✓	✓
DB2			✓		✓	✓	✓	✓
DB2 DPF								
Documentum								
External Data Connector								
Image Level			✓		✓	✓	✓	✓
Informix			✓		✓			
Lotus Notes Database			✓		✓	✓	✓	✓
Lotus Notes Document					✓	✓	✓	✓
Macintosh File System			✓	✓	✓			
Microsoft Data Protection Manager					✓	✓		
Microsoft Exchange Database					✓	✓	✓	✓
Microsoft Exchange Mailbox					✓	✓	✓	✓
Microsoft Exchange Public Folder					✓	✓	✓	✓
Microsoft SharePoint Server						✓		
Microsoft SQL Server					✓	✓	✓	✓
Microsoft Windows File Systems					✓	✓	✓	✓
MySQL								
NAS			✓			✓		
Novell Directory Service	✓							
Novell GroupWise	✓							
OES File System			✓					
Oracle			✓		✓	✓	✓	✓
Oracle RAC								

PostgreSQL								
ProxyHost			✓		✓	✓	✓	✓
SAP for MaxDB			✓		✓	✓		
SAP for Oracle			✓		✓	✓		
Sybase			✓		✓	✓		
Unix File Systems			✓	✓	✓			
Workstation Backup								
ARCHIVE								
Domino Mailbox Archiver					✓	✓	✓	✓
Exchange Compliance Archiver					✓	✓	✓	✓
Exchange Mailbox Archiver					✓	✓	✓	✓
Exchange Public Folder Archiver					✓	✓	✓	✓
File Archiver for BlueArc					✓	✓	✓	✓
File Archiver for Celerra					✓	✓	✓	✓
File Archiver for NetApp					✓	✓	✓	✓
File Archiver for Unix			✓		✓			
File Archiver for Windows					✓	✓	✓	✓
Generic File Archiver for NAS					✓	✓	✓	✓
SharePoint Archiver						✓	✓	✓
REPLICATION								
ContinuousDataReplicator			✓		✓	✓	✓	✓
SRM								
SRM Exchange Agent						✓	✓	

SRM for Virtual Server								
SRM NAS Agent						✓	✓	
SRM NetWare Proxy Agent						✓	✓	
SRM Oracle Agent						✓	✓	
SRM SharePoint Agent						✓		
SRM SQL Agent						✓	✓	✓
SRM UNIX File System Agent			✓	✓				
SRM Windows File System Agent						✓	✓	✓
VIRTUALIZATION								
Microsoft Hyper-V						✓	✓	
VMware						✓	✓	
LAPTOP								
Laptop Backup (Linux)			✓	✓		✓		
Laptop Backup (Macintosh)			✓	✓		✓		
Laptop Backup (Windows)						✓	✓	✓

Backward Compatibility - Support

Topics | Support | Related Topics

The CommCell can function with two versions of the software. For example, when the CommServe is upgraded to the current version, the clients can remain in the previous versions.

The following table provides the backward compatibility support of each component, when the CommServe is upgraded to the current release.

	VERSION 7	VERSION 8	VERSION 9	COMMENTS
BACKUP				
Active Directory	✓	✓		
DB2	✓	✓		
DB2 DPF		✓		
Documentum				New Agent for 9.0
External Data Connector				New Agent for 9.0
Image Level	✓	✓		
Informix	✓	✓		
Lotus Notes Database	✓	✓		
Lotus Notes Document	✓	✓		
Macintosh File System	✓	✓		
Microsoft Data Protection Manager	✓	✓		
Microsoft Exchange Database	✓	✓		
Microsoft Exchange Mailbox	✓	✓		
Microsoft Exchange Public Folder	✓	✓		
Microsoft SharePoint Server	✓	✓		
Microsoft SQL Server	✓	✓		
Microsoft Windows File Systems	✓	✓		
MySQL		✓		
NAS	✓	✓		Automatically upgraded with the MediaAgent software. See Getting Started - NAS iDataAgent Deployment for more information.
Novell Directory Service	✓	✓		
Novell GroupWise	✓	✓		
OES File System	✓	✓		
Oracle	✓	✓		
Oracle RAC	✓	✓		Automatically upgraded with the Oracle iDataAgent. See: Upgrade Oracle RAC iDataAgent for more information.
PostgreSQL				New Agent for 9.0
ProxyHost	✓	✓		
SAP for MaxDB	✓	✓		
SAP for Oracle	✓	✓		
Sybase	✓	✓		
Unix File Systems	✓	✓		
Workstation Backup		✓		
ARCHIVE				
Domino Mailbox Archiver	✓	✓		
Exchange Compliance Archiver	✓	✓		
Exchange Mailbox Archiver	✓	✓		See Backward Compatibility - Outlook Add-In for specific considerations.
Exchange Public Folder	✓	✓		

Archiver				
File Archiver for BlueArc				
File Archiver for Celerra				
File Archiver for NetApp				
File Archiver for Unix	✓	✓		
File Archiver for Windows	✓	✓		
Generic File Archiver for NAS				
SharePoint Archiver	✓	✓		
REPLICATION				
ContinuousDataReplicator	✓	✓		See Backward Compatibility - Continuous Data Replicator for specific considerations.
SRM				
SRM Exchange Agent		✓		
SRM for Virtual Server				New Agent for 9.0
SRM NAS Agent				
SRM NetWare Proxy Agent		✓		
SRM Oracle Agent		✓		
SRM SharePoint Agent		✓		
SRM SQL Agent		✓		
SRM UNIX File System Agent		✓		
SRM Windows File System Agent		✓		
VIRTUALIZATION				
Microsoft Hyper-V		✓		
VMware		✓		
LAPTOP				
Laptop Backup (Linux)	✓	✓		
Laptop Backup (Macintosh)	✓	✓		
Laptop Backup (Windows)	✓	✓		

User Administration and Security - Support

Topics | How To | Troubleshoot | Support | Related Topics

User Groups can be associated with the following CommCell objects in the CommCell Browser:

- CommServe
- Client Computer Group
- Client
- Agent
- Backup Set/Archive Set*
- Subclient*
- MediaAgent
- Library
- Storage Policy
- External User Group

*Not all Agents have a security tab at the backup set/archive set and subclient levels.

The following table lists the agents that support a security tab at the backup set/archive set and subclient levels.

	BACKUP SET/ARCHIVE SET	SUBCLIENT	COMMENTS
BACKUP			
Active Directory	✓	✓	
DB2			
DB2 DPF			
Documentum		✓	
External Data Connector			
Image Level			
Informix			
Lotus Notes Database	✓	✓	The Lotus Notes database does not have any backupset. Backup/Archive Set support is available at the partition level.
Lotus Notes Document	✓	✓	
Macintosh File System	✓	✓	
Microsoft Data Protection Manager	✓	✓	
Microsoft Exchange Database			
Microsoft Exchange Mailbox	✓	✓	
Microsoft Exchange Public Folder	✓	✓	
Microsoft SharePoint Server	✓	✓	Backup/Archive Set and Subclient are supported for SharePoint Document. Backup/Archive Set and Subclient are not supported for SharePoint Database.
Microsoft SQL Server			
Microsoft Windows File Systems	✓	✓	
MySQL	✓		
NAS		✓	
Novell Directory Service			
Novell GroupWise			
OES File System	✓	✓	
Oracle			
Oracle RAC			
PostgreSQL	✓		
ProxyHost			
SAP for MaxDB			
SAP for Oracle			
Sybase			

Unix File Systems	✓	✓	
Workstation Backup			
ARCHIVE			
Domino Mailbox Archiver	✓	✓	
Exchange Compliance Archiver		✓	
Exchange Mailbox Archiver	✓	✓	
Exchange Public Folder Archiver	✓	✓	
File Archiver for BlueArc	✓		
File Archiver for Celerra	✓		
File Archiver for NetApp	✓		
File Archiver for Unix	✓		
File Archiver for Windows	✓		
Generic File Archiver for NAS	✓		
SharePoint Archiver	✓	✓	
REPLICATION			
ContinuousDataReplicator			
SRM			
SRM Exchange Agent			
SRM for Virtual Server			
SRM NAS Agent			
SRM NetWare Proxy Agent			
SRM Oracle Agent			
SRM SharePoint Agent			
SRM SQL Agent			
SRM UNIX File System Agent			
SRM Windows File System Agent			
VIRTUALIZATION			
Microsoft Hyper-V	✓	✓	
VMware	✓	✓	
LAPTOP			
Laptop Backup (Linux)	✓	✓	
Laptop Backup (Macintosh)	✓	✓	
Laptop Backup (Windows)	✓	✓	

VaultTracker Feature - Support

[Topics](#) | [How To](#) | [Troubleshoot](#) | [Support](#) | [Related Topics](#)

The **VaultTracker** license provides the capability to track media movement between two locations. It is also used to export media.

The **VaultTracker Enterprise** license provides the capability to track media movement between several locations. In addition to the standard VaultTracker features, it also provides several advanced capabilities.

The following sections describe the features, components, and devices supported by VaultTracker and VaultTracker Enterprise.

For information on license requirements, see VaultTracker® Licenses in License Administration.

SUPPORTED COMPONENTS, LIBRARIES, AND DRIVES

- All MediaAgents, stand alone drives, and libraries with removable media are supported for both VaultTracker and VaultTracker Enterprise.
- Note that virtual mail slots are not supported for IP libraries, such as libraries attached to an ACSLS server.

SUPPORTED FEATURES AND REPORTS

The following table displays the features and reports available for VaultTracker and VaultTracker Enterprise:

FEATURES	VAULTTRACKER	VAULTTRACKER ENTERPRISE
Export Media after Data Protection and Auxiliary Copy Operations		✓
Export Media to Virtual Mail Slots		✓
Filter Media by Retention Criteria		✓
Iron Mountain Support		✓
Media Due Back Policy		✓
Media Tracking Between Libraries		✓
Media Tracking from a Library to an Export Location	✓	✓
Media Repository		✓
Moving Media Using Containers		✓
Recall Media		✓
Tracking Transit Locations		✓
VaultTracker Alerts		✓
REPORTS	VAULTTRACKER	VAULTTRACKER ENTERPRISE
Media Information Report	✓	✓
Vault Tracking Report	✓	✓

VaultTracker® Enterprise Feature - Support

Topics | How To | How Do I | Support | Related Topics

The **VaultTracker** license provides the capability to track media movement between two locations. It is also used to export media.

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- Note that virtual mail slots are not supported for IP libraries, such as libraries attached to an ACSLS server.

SUPPORTED FEATURES AND REPORTS

The following table displays the features and reports available for VaultTracker and VaultTracker Enterprise:

FEATURES	VAULTTRACKER	VAULTTRACKER ENTERPRISE
Export Media after Data Protection and Auxiliary Copy Operations		✓
Export Media to Virtual Mail Slots		✓
Filter Media by Retention Criteria		✓
Iron Mountain Support		✓
Media Due Back Policy		✓
Media Tracking Between Libraries		✓
Media Tracking from a Library to an Export Location	✓	✓
Media Repository		✓
Moving Media Using Containers		✓
Recall Media		✓
Tracking Transit Locations		✓
VaultTracker Alerts		✓
REPORTS	VAULTTRACKER	VAULTTRACKER ENTERPRISE
Media Information Report	✓	✓
Vault Tracking Report	✓	✓

