Quick Start Guide - Exchange Mailbox iDataAgent

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INTRODUCTION

The Exchange Server *i*DataAgents provide a unified protection and recovery vehicle for all Exchange data in your enterprise. In addition to complete protection of entire Exchange databases for disaster recovery, more granular backup and recovery options are available for mailboxes and public folders. Added options for Outlook integration, deduplication, content indexing, and advanced reporting help ensure all your Exchange data is easily traceable and retrievable whenever the need arises.

KEY FEATURES

The Exchange Server iDataAgents offer the following key features:

DATABASE PROTECTION FOR DISASTER RECOVERY

The Exchange Database *i*DataAgent backs up each Exchange database, which includes the following key components:

- Information Stores containing individual user mailboxes
- Public Folder Stores containing data shared among multiple users
- Transaction Logs

In the event of a serious system failure, such as the breakdown of hardware, software, or operating systems, the Exchange Database *i*DataAgent provides point-in-time recovery of a given database, ensuring that the state of the Exchange Database as it existed at any given time is ready for use whenever necessary.





The Exchange Mailbox *i*DataAgent backs up individual mailboxes for quick retrieval of individual mailbox data, such as messages and attachments, that may have been lost from a user's Outlook mailbox. Regular backups of mailboxes also provide the facility to quickly restore entire mailboxes without requiring restores of the Exchange database.

GRANULAR PUBLIC FOLDER PROTECTION FOR SHARED INFORMATION

The Exchange Public Folder *i*DataAgent backs up public folders for quick retrieval of shared data between Exchange users, such as group documents, messages, attachments, and calendars. As with the Exchange Mailbox *i*DataAgent, regular backups of mailboxes also provide the facility to quickly restore any number of public folders without requiring restores of the Exchange database.

ADD-ON COMPONENTS

SNAPPROTECT BACKUP

SnapProtect Backup enables you to create a point-in-time snapshot by temporarily quiescing the data, taking a snapshot, and then resuming live operations. SnapProtect backups work in conjunction with hardware snapshot engines.

OUTLOOK ADD-IN

WHERE TO GO NEXT

Install the Exchange *i***DataAgents** Walks you through the process of installing the Exchange Agents. Outlook Add-In fully integrates with Microsoft Outlook to provide users with a convenient way to browse, search and restore mailbox items directly from Outlook. All mailbox entities, including messages, attachments, calendar items, and notes, are retrievable from either the locally installed Outlook application or the Outlook Web Access web browser application.



OFFLINE DATABASE RESTORE

Offline Database Restore using the Exchange Offline Mining Tool provides Exchange users with the ability to restore mail messages, attachments, and other mailbox entities from an offline copy of the Exchange database. This capability is especially useful in environments where the Exchange Server experiences significant day-to-day overhead. By providing users with an offline copy of the Exchange database to retrieve their data, the Exchange Server does not experience the reduction in performance it otherwise would if users retrieved their data from it directly.



DESKTOP BROWSE

Desktop Browse enables users to browse and restore data from a Web Browser, which provides the facility to access and restore data from anywhere.

CONTENT INDEXING AND SEARCH

Content Indexing and Search enables users to content index their data and later search the data from a user-friendly web interface. The users can also perform restore operations or other advanced actions on the searched data.

TERMINOLOGY

The Microsoft Exchange Server iDataAgent documentation uses the following terminology:

DATABASE	Includes all operational elements of the Exchange Server, such as Stores, Transaction Logs, Patch Files, and Exchange Organizational Data.
	A computer other than the Exchange Server on which the Mailbox and Public Folder iDataAgents may be installed. Using a non- Exchange Server often results in less overhead on the Exchange Server during backup and restore operations.
	An association between two entities used in Automatic Discovery scenarios. For example, automatic discovery of mailboxes by database affinity implies the mailbox is included in the selected database.

CUSTOMIZED FEATURES FOR YOUR EXCHANGE VERSION

The **Advanced** pages of this documentation outline the features applicable for your version of Exchange in a tabular format for quick access to the documentation you need as shown below:

EXCHANGE 2010	EXCHANGE 2007	EXCHANGE 2003
		* · · · · · · · · · · · · · · · · · · ·

Sections not listed for a particular version of Exchange are not applicable or supported for that Exchange version.

System Requirements - Exchange Mailbox iDataAgent

System Requirements Supported Features

The following requirements are for the Microsoft Exchange Mailbox *i*DataAgent:

APPLICATION

Microsoft Exchange 2003 32-bit Server up to the latest service pack Microsoft Exchange 2007 64-bit Server up to the latest service pack Microsoft Exchange 2010 64-bit Server up to the latest service pack

OPERATING SYSTEM

WINDOWS SERVER 2008

Microsoft Windows Server 2008 x64 Editions* *Core Editions not supported

WINDOWS SERVER 2003

Microsoft Windows Server 2003 32-bit and x64 Editions with a minimum of Service Pack 1

CLUSTER - SUPPORT

The software can be installed on a Cluster if clustering is supported by the above-mentioned operating systems.

For information on supported cluster types, see Clustering - Support.

HARD DRIVE

1 GB of minimum disk space is required for installing the software.
 256 MB of free disk space is required for job result directory.
 256 MB of free disk space is required for log directory.

MEMORY

32 MB RAM minimum required beyond the requirements of the operating system and running applications

PROCESSOR

All Windows-compatible processors supported

SUPPORTED COMPONENTS

OWA PROXY ENABLER

The OWA Proxy Enabler is supported on any platform supported by the Microsoft Exchange Server.

OUTLOOK ADD-IN CLIENT

The Outlook Add-In Client is supported with Microsoft Outlook 2003 or higher.

PERIPHERALS

DVD-ROM drive

Network Interface Card

MISCELLANEOUS

The File System *i*DataAgent will be automatically installed during installation of this software, if it is not already installed. For System Requirements specific to the File System *i*DataAgent, refer to System Requirements - Microsoft Windows File System *i*DataAgent.

NETWORK

TCP/IP Services configured on the computer.

MICROSOFT VISUAL C++

Microsoft Visual C++ 2008 Redistributable Package is automatically installed. Note that Visual C++ 2008 Redistributable Package can co-exist with other versions of this software.

.NET FRAMEWORK

.NET Framework 2.0 is automatically installed. Note that .NET Framework 2.0 can co-exist with other versions of this software.

NOTES ON MICROSOFT EXCHANGE SERVER /DATAAGENT INSTALLATION

Microsoft Exchange 2007 64-bit Server Agents are 32-bit MAPI-based Agents installed on a Microsoft Windows x64 platform. See Installing 32-bit Components on a Microsoft Windows x64 Platform for information on installation and configuration requirements for these Agents.

- The Microsoft Exchange 2003 and 2007 Mailbox and Public Folder-based Agents can be installed in two ways:
- o directly on the Microsoft Exchange Server computer
- $\,\circ\,$ as Proxy Agents on a separate computer running a supported 32-bit operating system

NOTES ON OUTLOOK OWA PROXY ENABLER INSTALLATION

Prior to configuring Web Access for Exchange 2007 Mailbox/Public Folder Archiver, Exchange WebProxy Archiver Agent, or OWA Proxy Enabler, ensure that the Client Access Role has been configured on the Exchange Server.

NOTES ON OUTLOOK ADD-IN CLIENT INSTALLATION

For Windows clients, JRE 1.7.0_17 is installed automatically with the Outlook Add-In software if it is not already installed.

.NET Framework is needed to support RPC over HTTP connection mode, as well as support for the Exchange Offline Mining Tool. It is not automatically installed by the MSI package and must be manually installed.

Update 331320 must be installed on the client in order to use RPC over HTTP. Contact Microsoft Product Support Services and refer to KB 331320 to obtain this patch.

The Microsoft Visual C++ 2008 Redistributable Package is not automatically installed for MSI installs. However, the required subset of files from Microsoft Visual C++ 2008 Redistributable Package are provided as part of the software and therefore, manual installation is not required.

DISCLAIMER

Minor revisions and/or service packs that are released by application and operating system vendors are supported by our software but may not be individually listed in our System Requirements. We will provide information on any known caveat for the revisions and/or service packs. In some cases, these revisions and/or service packs affect the working of our software. Changes to the behavior of our software resulting from an application or operating system revision/service pack may be beyond our control. The older releases of our software may not support the platforms supported in the current release. However, we will make every effort to correct the behavior in the current or future releases when necessary. Please contact your Software Provider for any problem with a specific application or operating system.

Additional considerations regarding minimum requirements and End of Life policies from application and operating system vendors are also applicable

Deployment - Exchange Server Agents

PLANNING YOUR INSTALLATION

The Microsoft Exchange Server Agents can be installed individually or in any combination. However, your installation options will differ depending on your environment and the combination of Agents you intend to install.

To ensure you select the appropriate installation option for your environment, first compile the following information:

EXCHANGE AGENTS TO BE INSTALLED

For complete protection, it is recommended all Agents be installed in your environment.

EXCHANGE SERVER VERSION

The Exchange Server Version can be 2010, 2007, or 2003.

WILL THE AGENTS BE INSTALLED ON THE EXCHANGE SERVER?

You can install Agents on the Exchange Server or another computer (Non-Exchange Server). The Database iDataAgent, however, must be installed on the Exchange Server.

IS THE COMPUTER 32-BIT OR 64-BIT?

Whether installing on the Exchange Server or a Non-Exchange Server, the bit-rate can be 32-bit or 64-bit.

WHAT VERSION OF OUTLOOK IS INSTALLED ON THE COMPUTER?

Outlook must be installed on the computer for all Agents except the Database iDataAgent and can be version 2010 or 2007.

IS THE OUTLOOK VERSION 32-BIT OR 64-BIT?

The Outlook bit-rate can be 32-bit or 64-bit.

WILL YOU BE INSTALLING THE AGENTS IN A CLUSTERED ENVIRONMENT?

INSTALLATION OPTIONS

Once you have compiled the above information, choose the appropriate installation procedure as described in the tables below.

EXCHANGE SERVER 2013

	OUTLOOK VERSION	INSTALLATION PROCEDURE	SUPPORTED AGENTS
INSTALLING ON THE	EXCHANGE SERVER		
64-bit Exchange Server	N/A		Database Agent for Database Availability Group (DAG) Configuration

EXCHANGE SERVER 2010

ουτιοοκ	INSTALLATION PROCEDURE	SUPPORTED AGENTS	
VERSION			
E EXCHANGE SERVER			
Outlook 2010 64-bit	Install the 64-bit Exchange Agents for Exchange Server 2010 or 2007	Database, Mailbox, and Public Folder iDataAgents	
		Compliance, Mailbox, and Public Folder Archivers	
Outlook 2010/2007 32-bit	Install the 32-bit Exchange Agents for Exchange Server 2010 or 2007	Database, Mailbox, and Public Folder iDataAgents	
		Compliance, Mailbox, and Public Folder Archivers	
	VERSION E EXCHANGE SERVER Outlook 2010 64-bit Outlook 2010/2007	VERSION E EXCHANGE SERVER Outlook 2010 64-bit Install the 64-bit Exchange Agents for Exchange Server 2010 or 2007 Outlook 2010/2007 Install the 32-bit Exchange Agents for Exchange Server 2010	

64-bit Exchange Server	N/A	Install the 64-bit Exchange Agents for Exchange Server 2010 or 2007	Database Agent for Database Availability Group (DAG) Configuration
INSTALLING ON A N	ON-EXCHANGE SERVE	R	
32-bit Non-Exchange Server	Outlook 2010/2007 32-bit	Install the 32-bit Exchange Agents on a Non-Exchange Server	Mailbox and Public Folder iDataAgents Compliance, Mailbox, and Public Folder Archivers
64-bit Non-Exchange Server	Outlook 2010/2007 32-bit	Install the 32-bit Exchange Agents for Exchange Server 2010 or 2007	Mailbox and Public Folder iDataAgents Compliance, Mailbox, and Public Folder Archivers
64-bit Non-Exchange Server	Outlook 2010 64-bit	Install the 64-bit Exchange Agents for Exchange Server 2010 or 2007	Mailbox and Public Folder iDataAgents Compliance, Mailbox, and Public Folder Archivers

EXCHANGE SERVER 2007

SERVER SETUP	ουτιοοκ	INSTALLATION PROCEDURE	SUPPORTED AGENTS	
	VERSION			
INSTALLING ON THI	E EXCHANGE SERVER			
64-bit Exchange Server	Outlook 2010 64-bit	Install the 64-bit Exchange Agents for Exchange Server 2010 or 2007	Database, Mailbox, and Public Folder iDataAgents	
			Compliance, Mailbox, and Public Folder Archivers	
64-bit Exchange Server - Cluster	Outlook 2010 64-bit	Install the 64-bit Exchange Agents for Exchange Server 2010 or 2007 - Clustered Environment	Database, Mailbox, and Public Folder iDataAgents	
			Compliance, Mailbox, and Public Folder Archivers	
64-bit Exchange Server	Outlook 2010/2007 32- bit	Install the 32-bit Exchange Agents for Exchange Server 2010 or 2007	Database, Mailbox, and Public Folder iDataAgents	
			Compliance, Mailbox, and Public Folder Archivers	
64-bit Exchange Server - Cluster	Outlook 2010/2007 32- bit	Install the 32-bit Exchange Agents for Exchange Server 2010 or 2007 - Clustered Environment	Database, Mailbox, and Public Folder iDataAgents	
			Compliance, Mailbox, and Public Folder Archivers	
INSTALLING ON A N	ION-EXCHANGE SERVE	R		
32-bit Non-Exchange	Outlook 2010/2007	Install the 32-bit Exchange Agents on a Non-Exchange Server	Mailbox and Public Folder iDataAgents	
Server	32-bit		Compliance, Mailbox, and Public Folder Archivers	
64-bit Non-Exchange	Outlook 2010/2007	Install the 64-bit Exchange Agents for Exchange Server 2010	Mailbox and Public Folder iDataAgents	
Server	64-bit	or 2007	Compliance Mailbox and Public Folder	

EXCHANGE SERVER 2003

SERVER SETUP	OUTLOOK VERSION	INSTALLATION PROCEDURE	SUPPORTED AGENTS
INSTALLING ON THE	EXCHANGE SERVER		
Exchange Server	Not Required	Install the Exchange Agents on Exchange Server 2003	Database, Mailbox, and Public Folder iDataAgents
			Compliance, Mailbox, and Public Folder Archivers
Exchange Server - Cluster		Install the Exchange Agents on Exchange Server 2003 - Clustered Environment	Database, Mailbox, and Public Folder iDataAgents
			Compliance, Mailbox, and Public Folder Archivers
INSTALLING ON A N	ON-EXCHANGE SERVER		
Non-Exchange Server		Install the Exchange Agents for Exchange Server 2003 on a	Mailbox and Public Folder iDataAgents
	bit	Non-Exchange Server	Compliance, Mailbox, and Public Folder Archivers

Compliance, Mailbox, and Public Folder Archivers

Install the 64-bit Exchange Agents for Exchange Server 2010 or 2007



Follow the steps given below to install Exchange Agents on one of the following:

- 64-bit Exchange Server 2010
- 64-bit Exchange Server 2007
- 64-bit Non-Exchange Server

WHERE TO INSTALL

The Exchange Agents can be installed in one of two ways:

- Directly onto the Exchange Server. This method is referred to as an on-host installation and is useful if you want to preserve hardware resources.
- On a separate computer with connectivity to the Exchange Server. This method is referred to as an Non-Exchange Server installation and is useful if you want to offload the memory and processing resources required for backups and restores from the Exchange Server.

Install the Exchange Agents on all the nodes on which backups have to be run in a DAG configuration.

INSTALLATION

The software can be installed using one of the following methods:

METHOD 1: INTERACTIVE INSTALL

Use this procedure to directly install the software from the installation package or a **System Requirements** network drive.

METHOD 2: INSTALL SOFTWARE FROM COMMCELL CONSOLE

Use this procedure to remotely install the software on a client computer.

RELATED TOPICS

Download Software Packages Provides step-by-step procedure to download the latest packages for software install.

System Requirements Verify that the computer in which you wish to install the software satisfies the System Requirements.

Firewall

Provides comprehensive information on firewall.

PREREQUISITES

If you are installing the Exchange Agents on a 64-bit off-host proxy computer, perform the following pre-requisite task before installing these agents:

- Ensure that the proxy computer has been added to the same Domain in which the Exchange Server 2007 resides.
- Install Microsoft Outlook 2007 or higher on the off-host proxy computer in order to supply the software drivers necessary for Exchange-based agents to
 function in an off-host proxy configuration.

FOR EXCHANGE SERVER 2010

- Ensure that the service account is a member of Organization Management group.
- Ensure that the mail-enabled user is a member of the Local Administrator Group and have rights to all mailboxes on the server.

To assign full access follow the steps given below:

- Using ADSIEDIT navigate to Configuration | Services | Microsoft Exchange.
- Right-click your organization name, click Properties | Securities and click the Advanced tab.
- Click Edit to modify the permissions set for Organization Management group.
- Click to select Full Control, Receive As and Send As permissions and wait for replication.
- Click the Effective Permission tab and Select the name of the backup account.
- The backup account should display the following as selected:

Full Control

All Extended Rights

Send As

Receive As

• Start the PowerShell and type the following to add the backup account so it has full control over all the databases:

Get-MailboxDatabase -server (server name) | Add-ADPermission -user "backup account" -ExtendedRights Receive-As

Run the above PowerShell every time a new database is added.

 Navigate to the Exchange Management Console, right-click the <mailbox> and click Manage Full Access Permissions to view the mailbox listed under Full Access Permissions.

FOR EXCHANGE SERVER 2007

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- Service account should be a member of Exchange Organization Administrators group.
- Ensure that the mail-enabled user is a member of the Local Administrator Group and have rights to all mailboxes on the server.

METHOD 1: INTERACTIVE INSTALL

- 1. Log on to the computer using an account with the following privileges:
 - Administrator of the local computer

Select the required language.

Click Next.

- Administrator of the Exchange Server
- 2. Run **Setup.exe** from the Software Installation Package.

4. Select the option to Install Calypso on this 64-bit computer.

Your screen may look different from the example shown.

 Select I accept the terms in the license agreement. Click Next.

- To install the Exchange iDataAgents expand Client Modules | Backup & Recovery | Exchange, and select one or more of the following:
 - Exchange Database iDataAgent
 - Exchange Mailbox iDataAgent
 - Exchange Public Folder iDataAgent

To install the **Exchange Archiver Agents**, expand **Client Modules | Archive Management**, and select one or more of the following:

- Exchange Compliance Archiver
- Exchange Mailbox Archiver Agent
- Exchange Public Folder Archiver Agent

Click Next.

For Non-Exchange Server, Exchange Database *i*DataAgent will not be applicable.

7. If this computer and the CommServe is separated by a firewall, select the **Configure** firewall services option and then click **Next**.

For firewall options and configuration instructions, see Firewall Configuration and continue with the installation.

If firewall configuration is not required, click **Next**.

8.	Enter the fully qualified domain name of the $\ensuremath{\textbf{CommServe Host Name}}.$
	Click Next.

Do not use space and the following characters when specifying a new name for the CommServe Host Name:

\|`~!@#\$%^&*()+=<>/?,[]{}:;'"

9. Click Next.

nstaller	
Select Platforms Select the platforms yo	u want to configure.
	erve Modules endecopion of me patrom and reasons with it may be disabled. Disk Space Recovery (Rec/Recommended) Indexing and Search Management OutDataReplicator Temporary on C: drive: O MB / 0 MB
Installer	Special Registry Keys In Use
Install Agents for Res	store Only < Back Next > Cancel
nstaller	×
Firewall Configura Configure firewall servio	
If there is a firewall het	tween this machine and the CommServe, configure firewall services below.
Configure firewall s	services
machine, or whether This machine can C CommServe can c	Windows Fixewall is limiting network traffic. Whether it is possible to open to a Commiserve's turnet port, whether all connections toward each, and setup should instead expect Loamiserve to connect back to this there is a Proxy in between. open connection to CommServe on turnel port open connection toward this machine
C CommServe is rea	ichable only through a proxy
Installer	
	Next > Cancel
nstaller	
CommServe Name	
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10. Select Add programs to the Windows Firewall Exclusion List, to add CommCell programs and services to the Windows Firewall Exclusion List.

Click Next.

This option enables CommCell operations across Windows firewall by adding CommCell programs and services to Windows firewall exclusion list.

It is recommended to select this option even if Windows firewall is disabled. This will allow the CommCell programs and services to function if the Windows firewall is enabled at a later time.

11.

12.

13.

	Installer
	Windows Firewall Exclusion List Allow programs to communicate through Windows Firewall
	Windows Firewall is ON
	Add programs to the Windows Firewall Exclusion List
	If you plan on using Windows Firewall, it is recommended to add the software programs to the exclusion list.
	Installer Cancel
Verify the default location for software installation.	Installer
Click Browse to change the default location.	Destination Folder Select the destination folder to install the program files.
Click Next.	
 Do not install the software to a mapped network drive. Do not use the following characters when specifying the destination path: 	Click Next to accept the default location, or click Browse to choose an alternate location. Destination Folder Browse Browse
/:*?"<> #	·
It is recommended that you use alphanumeric characters only.	Drive List Space Required / Recommended C: 928 MB Installer Installer < Back
Select a Client Group from the list.	Installer
Click Next.	Client Group Selection Select a client group for the client.
This screen will be displayed if Client Groups are configured in the CommCell Console.	Select a cient group for the client. The Client Group is a logical grouping of client machines which have the same associations at various levels like Schedule Policy, Activity Control, Security and Reports.
	Client group: None Selected client_group Installer < Back Next> Cancel
Click Next.	Installer
	Schedule Install of Automatic Updates Choose when you want to schedule an install of the downloaded updates.
	Image: Schedule Install of Automatic Updates Once Time: 08:31:12 PM Image: Weekly Image: Monday Image: Weekly Image: Weekly Image: Weekly Image: Monday Image: Weekly Image: Monday Image: Monday Image: Truesday Image: Monday Image: Statuday Image: Monday Sunday Image: Monday Image: Sunday Image: Monday Cancel

Select a Storage Policy. 14. Click Next.

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Storage Policy Selection
Select a storage policy for the default subclient to be backed up.
Configure for Laptop or Desktop Backup
Select a storage policy from the pull-down list.
Unassigned
, <u> </u>
Installer KBack Next > Cancel
nstaller 🔀
Select a storage policy for the default subolient to be backed up.
Configure for Laptop or Desktop Backup
Installer
installer < Back Next > Cancel

If you do not have Storage Policy created, this message will be displayed. Click ${\bf OK}.$

You can create the Storage Policy later in step 24.

- If you are installing the Exchange Database iDataAgent on the Exchange Server, click Configure Exchange Database Specific Information.
- If you are installing the Exchange Agents on the Non-Exchange Server, skip to Configure Exchange Agents Specific Information.

CONFIGURE EXCHANGE DATABASE SPECIFIC INFORMATION

- **15.** Select the backup type for Exchange Database backups. Choose either of the following options, then click **Next**.
 - Differential Specifies that each non-full Exchange Database backup secures all data that has changed since the last full backup. Transaction lobs are not purged.
 - **Incremental** Specifies that each non-full Exchange Database backup secures only that data that has changed since the last backup of any type. Committed transaction logs are purged.

Installer	
Exchange Backu Please select a defa	
C Differentia	al Backs up changes in the Information Store and Directouy Service since the last Full backup. Does not purge the transaction logs.
← Increment	tal Backs up changes in the Information Store and Directory Service arises the latet Full backup or Incremental backup. The committed transaction logs are then purged.
Installer	< Back Next > Cancel
Enter Administrat Enter Administrator ad	or account information
	Account Name:
	Account Password:
	Domain: EXCH

16. Enter the user credentials to access the Exchange Server to perform the backup operation.

- The User Account must have Exchange Administrator privileges.
- The installation detects the domain name. If necessary, you can modify the domain name by specifying Windows domain that the Exchange Server resides in.

17. Click Next.

Setup has enough i install settings, click	nformation to start Next to begin cop	copying the pro oying files.	ogram files. If you	are satisfied v	with the
Destination Path = CommServe Host = Interface Name = 2 Client = audi Job Results Path = Global Filters = Use	mycomputer.myco udi.mycompany.c C:\Program Files\	om			×
Installer	[< Back	Next>		Cancel

- 18. The install program displays a reminder to verify that Circular Logging is disabled before performing any database backup operations. To verify that Circular Logging is disabled:
 - From Exchange System Manager, navigate to and expand the server that the Database *i*DataAgent is being installed on.
 - Verify that the Circular Logging check box has not been selected for each Storage Group. If Circular Logging has been enabled for a Storage Group, disable it at this time.

Click OK.

- If you are installing the Exchange Agents, then click Configure Exchange Agents Specific Information.
- If you are installing the Exchange Database iDataAgent, skip to Verify Summary of Install Options.

CONFIGURE EXCHANGE AGENTS SPECIFIC INFORMATION

19. Select **Exchange Server Name** and **Exchange Server Version** from drop-down list.

Click Next.

This screen will appear when you are installing $\ensuremath{\mathsf{Exchange}}$ Agents on Non-Exchange Server.

20. Click Next.

Installer	×
Exchange Server Name	
Please provide Exchange server name	<i></i>
Exchange Server	
Exchange Server Name:	
Exchange_Server	
Exchange Server Version	
Exchange 2007	
,	
Installer	
<back next=""></back>	Cancel
	_
Installer	×
Summary	X
	X
Summary Summary of install selections	
Summary	ied with the
Summary Summary of install selections Setup has enough information to start copying the program files. If you are satisf	iied with the
Summary Summary of install selections Setup has enough information to start copying the program files. If you are satisf	fied with the
Summary Summary of install selections Setup has enough information to start copying the program files. If you are satisf	Fied with the
Summary Summary of install selections Setup has enough information to start copying the program files. If you are satist install settings, click Next to begin copying files.	Fied with the
Summary Summary of install selections Setup has enough information to start copying the program files. If you are satisf install settings, click Next to begin copying files. Destination Path. = C:\Program Files\ CommServe Host = mycomputer mycompany.com	Fied with the
Summary Summary Summary of instal selections Setup has enough information to start copying the program files. If you are satist instal settings, click Next to begin copying files. Destination Path = C\\Program Files\ CommServe Host = nrycomputer.mycompary.com Interface Name = a val.mycompary.com	Fied with the
Summary Summary Summary of initial selections Setup has enough information to start copying the program files. If you are satist install settings, click Next to begin copying files. Destination Path = C\Program Files\ CommServe Host = mycomputer mycompary.com Interface Name = a vadi.mycompary.com Client = avadi.	fied with the
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- 21. Enter the following Exchange Administrator information then click Next.
 - Account Name Domain user account created with the exchange server administrator permissions. Do not include the domain name here.
 - Account Password The password assigned to the domain user.
 - Mailbox Name for this Account Mailbox associated with the user above.
 - **Profile Name** Specify profile name to be created during agent install. This profile is associated with the domain user's mailbox.

• Exchange Server Name - Name of the Exchange Server that the agent will communicate with for data protection and recovery operations.

Enter the Mailbox Role Server name (NetBIOS). After installation configure the roles as described in Configure Mailboxes in Database Availability Group (DAG) Servers.

• **Domain** - The installation detects and enters a domain name. If necessary, modify the domain name by specifying Windows domain that the Exchange Server resides in.

Installer	X
Exchange Administrator Account Information Mailbox and Profile information	
Please enter the Exchange account information ro the information supplied.	squired below. A new profile will be created with
Account Name:	Profile Name:
Account Password:	Exchange Server Name:
Mailbox Name for this Account:	Domain:
Installer < E	iack Next > Cancel

VERIFY SUMMARY OF INSTALL OPTIONS

22. Click Next.

23. Click Finish.

	\mathbf{X}
Schedule Reminder Job schedule creation reminder	
Please note: You still need to create a Job Schedule for each DataAgent that has been installed on this client computer. Job Schedules are required to allow the DataAgents to perform automated backup and restore operations. Job Schedule creation can be accomplished through the CommCell Console administration interface.	
Installer	
Installer	
Completion Report Setup complete	
	1

S CHOICE

If you already have a storage policy selected in step 14, Click Next > button available at the bottom of the page to proceed to the **Configuration** section.

If you do not have Storage Policy created, continue with the following step.

- 24. Create a Storage Policy:
 - 1. From the CommCell Browser, navigate to **Policies**.
 - 2. Right-click the Storage Policies and then click New Storage Policy.
 - 3. Follow the prompts displayed in the Storage Policy Wizard. The required options are mentioned below:
 - Select the Storage Policy type as Data Protection and Archiving and click Next.
 - Enter the name in the Storage Policy Name box and click Next.
 - From the **Library** list, click the name of a disk library to which the primary copy should be associated and then click **Next**.

Ensure that you select a library attached to a MediaAgent operating in the current release.

- From the MediaAgent list, click the name of a MediaAgent that will be used to create the primary copy and then click Next.
- $\circ\;$ For the device streams and the retention criteria information, click Next to accept default values.



- $\circ~$ Select Yes to enable deduplication for the primary copy.
- From the **MediaAgent** list, click the name of the MediaAgent that will be used to store the Deduplication store.

Type the name of the folder in which the deduplication database must be located in the Deduplication Store Location or click the Browse button to select the folder and then click **Next**.

• Review the details and click **Finish** to create the Storage Policy.

25. Enable the following registry key to create job specific profiles:

- From the CommCell Browser, navigate to Client Computers.
- Right-click the <Client> in which you want to add the registry key, and then click Properties.
- Click the Registry Key Settings tab.
- Click Add.
- Enter CreateProcessSpecificProfile in the Name field.
- Enter MSExchangeMBAgent in the Location field. (For Exchange Mailbox iDataAgent).

Enter MSExchangeDMAgent in the Location field. (For Exchange Mailbox iDataAgent).

- Enter REG_DWORD in the Type filed.
- Enter 1 to enable and 0 to disable the key in the Value field.
- Click OK.

METHOD 2: INSTALL SOFTWARE FROM COMMCELL CONSOLE

1. From the CommCell Browser, select **Tools**, point to **Add/Remove Software**, and then click **Install Software**.



2. Click Next.

Select Windows.
 Click Next.

4. Select Manually Select Computers. Click Next.

5. Enter the fully qualified domain name of the computer on which you have Exchange Server.

For example: win08ex07.idclab.loc

Click Next.

6. Click Next.

Installer
Select how to discover the computers for installing the software
Software will be installed only on the selected list of computers.
Automatically discover computers
Computers will be discovered when the job runs.
<back next=""> Save As Script Finish Cancel Help</back>
Installer
Enter the host names of the computers
Rease enter the host names of the computers, one per line
win00ex07.idde.loc Import from File Import From Active Directory
Import From Active Directory Select from existing clients
< Back Next > Drive Ar Script Prich Cancel Help
Installer
Select Software Cache
To use current. Client or Client Group Software Cache settings, click Next. To override Software Cache settings check Override Software Cache and select the Software Cache to be used.
Override Software Cache and select the Software Cache to be used.
Software Cache: murphy.domain.company.com
mar jar ty-southan roompan ty-conn
<back next=""> Save As Script Finish Cancel Help</back>

<Back Next> Save As Script Finish Cancel Help

Select the computer's operating system

Windows
 Unix and Linux

 Specify User Name and Password that must be used to access the computer. Click Next.

	Installer
	Enter Account Information
	The specified account should have administrative access to the computer. If you are installing
	multiple clients, the user should have access to all clients.
	Reuse Active Directory credentials
	User Name:
	Example:domain\username
	Password:
	1
	< Back Next > Save As Script Finish Cancel Help
	Installer 🛛 🕅
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stall Backup	Enter Recommended Settings for the selected Software Recommended Settings
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- To install the Exchange iDataAgents expand Client Modules | Backup i Recovery | Exchange, and select one or more of the following:
 - Exchange Database iDataAgent
 - Exchange Mailbox iDataAgent
 - Exchange Public Folder iDataAgent

Click Next.

For Non-Exchange Server, Exchange Database *i*DataAgent will not be applicable.

- 9. Select Client Group from Available and click Add.
 - Select a **Storage Policy** from the drop-down list. Click **Next**. **NOTES**:
 - Select the Configure for Laptop or Desktop Backup option to install Backup Monitor utility. This utility allows you to view the backup job summary from the client computer without opening the CommCell Console. See Monitor - Laptop User for more information.
- 10. Type the Agent Specific Settings information. Click **Next**.

11. Click Next.

12. Select Immediate. Click Next.

13. Click Finish.

14. You can track the progress of the job from the **Job Controller** or **Event Viewer** window.

Enter Additional Install Opti	
	ons
😑 Installer Flags	
V Install Updates	
Reboot (if required)	
Kill Browser Processes (if	required)
Ignore Running Jobs	
Stop Oracle Services (Fr	
	dy part of the CommCell component
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Log File Location	
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< Back	Save As Script Finish Cancel Help
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Summary	d click Finish to run the job immediately or click Save As Script to save the job options as a script.
Client Install Option	
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	ry: Manually select computers
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15. Once the job is complete, right-click the **CommServe** computer, click **View** and then click **Admin Job History**.

16. Select Install/Upgrade/Remove Software. Click OK.

- 17. You can view the following details about the job by right-clicking the job:
 - Items that succeeded during the job
 - Items that failed during the job
 - Details of the job
 - Events of the job
 - Log files of the job

 - Enable the following registry key to create job specific profiles:
 - From the CommCell Browser, navigate to Client Computers.
 - Right-click the <Client> in which you want to add the registry key, and then click Properties.
 - Click the Registry Key Settings tab.
 - Click Add.

18.

- Enter CreateProcessSpecificProfile in the Name field.
- Enter MSExchangeMBAgent in the Location field. (For Exchange Mailbox iDataAgent).

Enter MSExchangeDMAgent in the Location field. (For Exchange Mailbox iDataAgent).

- Enter REG_DWORD in the Type filed.
- Enter 1 to enable and 0 to disable the key in the Value field.
- Click OK.

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Install the 64-bit Exchange Agents for Exchange Server 2007 -Clustered Environment

< Previous Next >

Follow the steps given below to install the 64-bit Exchange Agents on Exchange Server 2007 or on Non-Exchange Server in a clustered environment.

WHERE TO INSTALL

The Exchange Agents can be installed in one of two ways:

- Directly onto the Exchange Server. This method is referred to as an on-host installation and is useful if you want to preserve hardware resources.
- On a separate computer with connectivity to the Exchange Server. This method is referred to as an Non-Exchange Server installation and is useful if you want to offload the memory and processing resources required for backups and restores from the Exchange Server.

RELATED TOPICS

Download Software Packages

Provides step-by-step procedure to download the latest packages for software install.

System Requirements

Verify that the computer in which you wish to install the software satisfies the System Requirements.

Firewall

Provides comprehensive information on firewall.

PREREQUISITES

If you are installing the Exchange Agents on a 64-bit off-host proxy computer, perform the following pre-requisite task before installing these agents:

- Ensure that the proxy computer has been added to the same Domain in which the Exchange Server 2007 resides.
- Install Microsoft Outlook 2007 or higher on the off-host proxy computer in order to supply the software drivers necessary for Exchange-based agents to function in an off-host proxy configuration.

The below mentioned prerequisites are for Mailbox Agents only. Ensure that you have the following:

- Service account is a member of Exchange Organization Administrators group.
- The mail-enabled user is a member of the Local Administrator Group and have rights to all mailboxes on the server.
- Ensure that you assign full access to all mailboxes on the server. For details, see How do I Assign Full Access to All Mailboxes on a Server.

INSTALL PROCEDURE

- 1. Log on to the computer using an account with the following privileges:
 - Administrator of the local computer
 - Administrator of the Exchange Server
- 2. Run Setup.exe from the Software Installation Package.
- **3.** Select the required language.

Click Next.



- Select the option to Install Calypso on this 64-bit computer.
 NOTES:
 - Your screen may look different from the example shown.

5. Select I accept the terms in the license agreement. Click Next.

6. Select Configure a Virtual Server. Click Next.

 Select the disk group in which the virtual server resides. Click Next.

- To install the Exchange iDataAgents expand Client Modules | Backup & Recovery | Exchange, and select one or more of the following:
 - Exchange Database iDataAgent
 - Exchange Mailbox iDataAgent
 - Exchange Public Folder iDataAgent

To install the **Exchange Archiver Agents**, expand **Client Modules | Archive Management**, and select one or more of the following:

- Exchange Compliance Archiver
- Exchange Mailbox Archiver Agent
- Exchange Public Folder Archiver Agent

Click Next.

For Non-Exchange Server, Exchange Database *i*DataAgent will not be applicable.

9. If this computer and the CommServe is separated by a firewall, select the **Configure** firewall services option and then click Next.

For firewall options and configuration instructions, see Firewall Configuration and continue with the installation.

If firewall configuration is not required, click **Next**.

nstaller	
License Agreement	icense Agreement Press
Please read the following L the PAGE DOWN key to vi	iew the entire agreement.
End User Li	icense and Limited Warranty Agreement
	Software Release 9.0.0
(in studie = Misson of	ft® SQL Server™ 2008 Enterprise Edition, SQL Server™
2008 Express E	dition and Windows Pre-Installation Environment)
	Fud Hoov I ianuan Aamawaut
I accept the terms in I	
C I do not accept the te	erms in the license agreement.
Installer	
	< Back Next > Cancel
	X
nstaller	
Cluster Type Selectio Configure the Physical No	
congae are rightearte	
Configuration Op	ptions
	he <u>Physical node</u>
C Configure a	
Conligure a	i ⊼iimai sei∧ei
	< Back Next> Cancel
nstaller	X
Virtual Server Select	tion
Select the virtual server ye	
Choose from	m the following list of disk groups
configured	on this cluster.
2003Cluste	erVMS 🗾
	< <u>B</u> ack <u>N</u> ext> <u>C</u> ancel
nstaller	×
Select Platforms	ant to configure
Select the platforms you wa	an to conguit.
- 0	
E Ca Common Techno	ology Engine Move the pointer over a platform name to see a
🙂 🛅 CommServe	Modules description of the platform and reasons why it may be
	onsole disabled.
E 🗅 Client Modules	Disk Cases
	ecovery a second
🛨 🗅 Web Based	Search & Browse Installation Folder:
	DataBenlicator
🛨 🗅 SRM	Temporary on U: drive:
🛨 🗅 Supporting M	Modules 0 MB/ 0 MB
🛨 🗅 Tools	~

Installer

Install Agents for Restore Only

< Back

Special Registry Keys In Use

Cancel

10. Enter the fully qualified domain name of the **CommServe Host Name**.

Click Next.

Do not use space and the following characters when specifying a new name for the CommServe Host Name:

\|`~!@#\$%^&*()+=<>/?,[]{}:;'"

11. Click Next.

12. Select **Add programs to the Windows Firewall Exclusion List**, to add CommCell programs and services to the Windows Firewall Exclusion List.

Click Next.

This option enables CommCell operations across Windows firewall by adding CommCell programs and services to Windows firewall exclusion list.

It is recommended to select this option even if Windows firewall is disabled. This will allow the CommCell programs and services to function if the Windows firewall is enabled at a later time.

machine, or whether	cked, and setup should instead expect Lommberve to connect back to this r there is a Proxy in between.
C This machine can	a open connection to CommServe on tunnel port
	open connection toward this machine
C CommServe is rea	achable only through a proxy
Installer	
	Next > Cancel
nstaller	
CommServe Name	
Specify the CommServ name	ve computer name and host
CommServe	Client Name
CommServe	Host Name
(Enter a valio mycomputer.	d, fully-qualified, IP host name; for example: .mycompany.com)
mucomputer	r. mycompany. com
Incompany	and a second
Installer	
	< Back Next > Cancel
nstaller	
Communication In	
Setup will configure the	e communication paths.
	Select a client name
	audi_cn
	Select an interface name that this computer will use to communicate with the CommServe
	audi.mycompany.com
	IP Address(es) for the selected host.
Installer	
	< Back Next > Cancel
nstaller	
Windows Firewall	Exclusion List
Allow programs to com Firewall	municate through Windows
Windows Firewall	is ON
Add programs	to the Windows Firewall Exclusion List
If you plan on usin exclusion list.	ng Windows Firewall, it is recommended to add the software programs to the

< Back

Next:

If there is a firewall between this machine and the CommServe, configure firewall services below

Installer Firewall Configuration Configure firewall services

Configure firewall services

Installer

13. Verify the default location for software installation.

Click **Browse** to change the default location.

Click Next.

- Do not install the software to a mapped network drive.
- Do not use the following characters when specifying the destination path:

/:*?"<>|#

Cance

		Installer
		Destination Folder
	It is recommended that you use alphanumeric characters only.	Select the destination folder to install the program files.
		Click Next to accept the default location, or click Browse to choose an altern Destination Folder
		Drive List C: 928 MB Installer
		< Back Next >
14.	Select a Client Group from the list.	Installer
		Client Group Selection
	Click Next .	Select a client group for the client.
	This screen will be displayed if Client Groups are configured in the CommCell Console.	The Client Group is a logical grouping of client machines which have the same associations at various levels like Schedule Poly, Activity Control. Scurity and Reports.
		Client group: None Selected client_group
		< Back Next >
15.	Click Next .	Installer Schedule Install of Automatic Updates Choose when you want to schedule an install of the downloaded updates.
		✓ Schedule Install of Automatic Updates
		C Once
		Time: 08:31:12 PM
		♥ Weekly ♥ Monday C Tuesday
		⊂ Wednesday ⊂ Thursday
		C Friday C Saturday
		Installer
		< Back Next>
16.	Select a Storage Policy.	Installer
	Click Next.	Storage Policy Selection
		Select a storage policy for the default subclient to be backed up.
		Configure for Laptop or Desktop Backup
		Select a storage policy from the pull-down list.
		Unassigned 💌
		Installer Kext >
	The second start have a Character Deliver successed of the second start in the second	Installer
	If you do not have Storage Policy created, this message will be displayed.	Installer Storage Policy Selection Select a storage policy for the default subclient to be backed up.
	Click OK .	Service a storage points for the desain subliers to be backed up.
	You can create the Storage Deligy later in stor 21	
	You can create the Storage Policy later in step 31.	

• If you are installing the Exchange Database iDataAgent on the Exchange Server, click Configure Exchange Database Specific Information.

Installe

X

ate location.

Cancel

Cancel

Cancel

Cancel

Cancel

Ē

Next >

Bao

X

X

• If you are installing the Exchange Agents on the Non-Exchange Server, skip to Configure Exchange Agents Specific Information.

CONFIGURE EXCHANGE DATABASE SPECIFIC INFORMATION

- 17. Select the backup type for Exchange Database backups. Choose either of the following options, then click **Next**.
 - Differential Specifies that each non-full Exchange Database backup secures all data that has changed since the last full backup. Transaction lobs are not purged.
 - **Incremental** Specifies that each non-full Exchange Database backup secures only that data that has changed since the last backup of any type. Committed transaction logs are purged.

Installer	
Exchange Backup Please select a defau	Options
C Differentia	Backs up changes in the Information Store and Directory Service since the last Full backup. Does not purge the transaction logs.
€ Increment	al Backs up changes in the Information Store and Directory Service ance the last Full backup or Incremental backup. The committed itensaction logs are then purged.
Installer	< Back Next> Cancel
	×
Enter Administrato Enter Administrator ac	r account information
4	Account Name:
l	
,	Account Password:
[
	Domain:
	EXCH
	Next>
Installer	
Summary Summary of install sele	ctions
Setup has enough install settings, clic	information to start copying the program files. If you are satisfied with the k Next to begin copying files.
Interface Name = Client =audi	C:\Program Files\ C:\Program Files\ C:\Program Files\ C:\Program Files\UcbResults a Cell level policy C:\Program Files\UcbResults a Cell level policy C:\Back Next> Cancel
Installer	
Please verify backup oper	v that Grcular Logging is disabled before performing any database ations.
	OF

- **18.** Enter the user credentials to access the Exchange Server to perform the backup operation.
 - The User Account must have Exchange Administrator privileges.
 - The installation detects the domain name. If necessary, you can modify the domain name by specifying Windows domain that the Exchange Server resides in.

19. Click Next.

- **20.** The install program displays a reminder to verify that Circular Logging is disabled before performing any database backup operations. To verify that Circular Logging is disabled:
 - From Exchange System Manager, navigate to and expand the server that the Database *i*DataAgent is being installed on.
 - Verify that the Circular Logging check box has not been selected for each Storage Group. If Circular Logging has been enabled for a Storage Group, disable it at this time.

Click OK.

- If you are installing the Exchange Agents, then click Configure Exchange Agents Specific Information.
- If you are installing the Exchange Database iDataAgent, skip to Install Remaining Cluster Nodes.

CONFIGURE EXCHANGE AGENTS SPECIFIC INFORMATION

21. Select Exchange Server Name and Exchange Server Version from drop-down list.

Click Next.

This screen will appear when you are installing Exchange Agents on Non-Exchange Server.

22. Click Next.

- 23. Enter the following Exchange Administrator information then click **Next**.
 - Account Name Domain user account created with the exchange server administrator permissions. Do not include the domain name here.
 - Account Password The password assigned to the domain user.
 - Mailbox Name for this Account Mailbox associated with the user above.
 - **Profile Name** Specify profile name to be created during agent install. This profile is associated with the domain user's mailbox.
 - Exchange Server Name Name of the Exchange Server that the agent will communicate with for data protection and recovery operations.
 - **Domain** The installation detects and enters a domain name. If necessary, modify the domain name by specifying Windows domain that the Exchange Server resides in.

Installer	×
Exchange Serve	r Name
Please provide Exch	
	-
	Exchange Server
	Exchange Server Name:
	Exchange_Server
	Exchange Server Version
	Exchange 2007
Installer	
mstaller	
	< <u>B</u> ack <u>N</u> ext> <u>C</u> ancel
Installer	X
C	
Summary	
Summary of install s	elections
Setup has enou	gh information to start copying the program files. If you are satisfied with the
install settings, c	lick Next to begin copying files.
	<u>^</u>
Destination Path	st = mycomputer.mycompany.com
CommServe Hos	st = mycomputer.mycompany.com
Client =audi	= audi.mycompany.com
Job Results Path	n = C:\Program Files\JobResults
Global Filters = l	Jse Cell level policy 🥏
<	>
Installer	
	<back next=""> Cancel</back>
Installer	
Exchange Admir	nistrator Account
Information	
Mailbox and Profile i	information
Please enter the Ex	change account information required below. A new profile will be created with
the information supp	vlied.
Account Name:	Profile Name:
,	,
Account Password:	Exchange Server Name:
,	,
Mailbox Name for th	is Account: Domain:
1	
Installer	
mstaner	
	< Back Next > Cancel

INSTALL REMAINING CLUSTER NODES

24. To install the software on the remaining nodes of the cluster, click Yes.To complete the install for this node only, click No.

25. Select cluster nodes from the **Preferred Nodes** list and click the arrow button to move them to the **Selected Nodes** list.

Once you complete your selections, click Next.

- The list of **Preferred Nodes** displays all the nodes found in the cluster; from this list you should only select cluster nodes configured to host this cluster group server.
- Do not select nodes that already have multiple instances installed.



Specify User Name and Password for the Domain Administrator account 26. Information to perform the remote install on the cluster nodes you selected in the previous step.

27.	The progress of the remote install for the cluster nodes is displayed; the install can be
	interrupted if necessary.

Click **Stop** to prevent installation to any nodes after the current ones complete.

Click Advanced Settings to specify any of the following:

- Maximum number of nodes on which Setup can run simultaneously.
- Time allocated for Setup to begin executing on each node, after which the install attempt will fail.
- Time allocated for Setup to complete on each node, after which the install attempt will fail.

If, during the remote install of a cluster node, setup fails to complete or is interrupted, you must perform a local install on that node. When you do, the install begins from where it left off, or from the beginning if necessary. For procedures, see Manually Installing the Software on a Passive Node.

28.	Read the summary for remote installation to verify that all selected nodes were
	installed successfully.

Click Next.

- If any node installation fails, you must manually install the software on that node once the current installation is complete. See Manually Installing the Software on a Passive Node for step-by-step instructions.
- The message displayed on your screen will reflect the status of the selected nodes, and may look different from the example.

29. Click Next.

Please provide domain administrator account
Domain Account Information User Name (xDDMAIN/USER); LAB Vadministrator Account Password:
<u>< B</u> ack <u>N</u> ext> Cancel
Installer 🔀
You can stop remote install at any time. Installed clients will not be uninstalled. Clients in progress will continue installation, but their results will not show correctly.
Client Name Client Status Start Time End Time Result Description resi2
Installed successfully: 0 Left to install: 1 Failed to install: 0 In progress: 0 Max 1 =
Elapsed time: 0 sec Estimated time left: 10 min 0 sec
Installer Advanced Settings
Number of simultaneous remote machines to run Setup: 10 $\frac{1}{2}$ machines Time to wait for Setup to start on each remote machine: 2 $\frac{1}{2}$ minutes Time to wait for Setup to complete on each remote machine: 15 $\frac{1}{2}$ minutes
nstaller 🛛 🗙
Results Remote install results
Summary of remote install
The following software (Version) were selected to be installed:
× .
installer 🛛 🔀
Schedule Reminder Job schedule creation reminder
Please note: You still need to create a Job Schedule for each DataAgent that has been installed on this client computer. Job Schedules are required to allow the DataAgents to perform automated backup and restore operations.
Job Schedule creation can be accomplished through the CommCell Console administration interface.
Installer

Domain administrator account information

Software	installation completed successfully.		2
Visit the	vebsite below to download latest Updates and S	Service Packs.	
Click Fini	sh to complete Setup.		

If you already have a storage policy selected in step 16, Click Next > button available at the bottom of the page to proceed to the **Configuration** section.

If you do not have Storage Policy created, continue with the following step.

- 31. Create a Storage Policy:
 - 1. From the CommCell Browser, navigate to Policies.
 - 2. Right-click the Storage Policies and then click New Storage Policy.
 - 3. Follow the prompts displayed in the Storage Policy Wizard. The required options are mentioned below:
 - Select the Storage Policy type as Data Protection and Archiving and click Next.
 - $\circ~$ Enter the name in the Storage Policy Name box and click Next.
 - From the **Library** list, click the name of a disk library to which the primary copy should be associated and then click **Next**.

Ensure that you select a library attached to a MediaAgent operating in the current release.

- From the **MediaAgent** list, click the name of a MediaAgent that will be used to create the primary copy and then click **Next**.
- $\circ\;$ For the device streams and the retention criteria information, click Next to accept default values.
- $\circ~$ Select Yes to enable deduplication for the primary copy.
- From the **MediaAgent** list, click the name of the MediaAgent that will be used to store the Deduplication store.

Type the name of the folder in which the deduplication database must be located in the Deduplication Store Location or click the Browse button to select the folder and then click **Next**.

 $\circ~$ Review the details and click Finish to create the Storage Policy.

32. Enable the following registry key to create job specific profiles:

- From the CommCell Browser, navigate to Client Computers.
- Right-click the <Client> in which you want to add the registry key, and then click Properties.
- Click the Registry Key Settings tab.
- Click Add.
- Enter CreateProcessSpecificProfile in the Name field.
- Enter MSExchangeMBAgent in the Location field. (For Exchange Mailbox iDataAgent).

Enter MSExchangeDMAgent in the Location field. (For Exchange Mailbox iDataAgent).

- Enter REG_DWORD in the Type filed.
- Enter 1 to enable and 0 to disable the key in the Value field.
- Click OK.



Previous Next >

Install the 32-bit Exchange Agents for Exchange Server 2010 or 2007



Follow the steps given below to install Exchange Agents on one of the following:

- 64-bit Exchange Server 2010
- 64-bit Exchange Server 2007
- 64-bit Non-Exchange Server

WHERE TO INSTALL

The Exchange Agents can be installed in one of two ways:

- Directly onto the Exchange Server. This method is referred to as an on-host installation and is useful if you want to preserve hardware resources.
- On a separate computer with connectivity to the Exchange Server. This method is referred to as an Non-Exchange Server installation and is useful if you want to offload the memory and processing resources required for backups and restores from the Exchange Server.

Install the Exchange Agents on all the nodes on which backups have to be run in a DAG configuration.

INSTALLATION

The software can be installed using one of the following methods:

METHOD 1: INTERACTIVE INSTALL

Use this procedure to directly install the software from the installation package or a **System Requirements** network drive.

METHOD 2: INSTALL SOFTWARE FROM COMMCELL CONSOLE

Use this procedure to remotely install the software on a client computer.

RELATED TOPICS

Download Software	Packages		
Provides step-by-step packages for software	procedure to install.	download	the latest

Verify that the computer in which you wish to install the software satisfies the System Requirements.

Firewall

Provides comprehensive information on firewall.

PREREQUISITES

If you are installing the Exchange Agents on a 64-bit off-host proxy computer, perform the following pre-requisite task before installing these agents:

- Ensure that the proxy computer has been added to the same Domain in which the Exchange Server 2007 resides.
- Install Microsoft Outlook 2007 or higher on the off-host proxy computer in order to supply the software drivers necessary for Exchange-based agents to function in an off-host proxy configuration.

The below mentioned prerequisites are for Mailbox Agents only. Ensure that you have the following:

FOR EXCHANGE SERVER 2010

- Ensure that the service account is a member of Organization Management group.
- Ensure that the mail-enabled user is a member of the Local Administrator Group and have rights to all mailboxes on the server.
- To assign full access follow the steps given below:
- Using ADSIEDIT navigate to Configuration | Services | Microsoft Exchange.
- Right-click your organization name, click Properties | Securities and click the Advanced tab.
- Click Edit to modify the permissions set for Organization Management group.
- Click to select Full Control, Receive As and Send As permissions and wait for replication.
- Click the Effective Permission tab and Select the name of the backup account.
- The backup account should display the following as selected:

Full Control

All Extended Rights

Send As

Receive As

• Start the PowerShell and type the following to add the backup account so it has full control over all the databases:

Get-MailboxDatabase -server (server name) | Add-ADPermission -user "backup account" -ExtendedRights Receive-As

Run the above PowerShell every time a new database is added.

 Navigate to the Exchange Management Console, right-click the <mailbox> and click Manage Full Access Permissions to view the mailbox listed under Full Access Permissions.

FOR EXCHANGE SERVER 2007

- Service account should be a member of Exchange Organization Administrators group.
- Ensure that the mail-enabled user is a member of the Local Administrator Group and have rights to all mailboxes on the server.

METHOD 1: INTERACTIVE INSTALL

INSTALL THE EXCHANGE DATABASE /DATAAGENT

The Exchange Database iDataAgent must be installed first. Follow the steps described below to install Exchange Database iDataAgent.

- **1.** Log on to the computer using an account with the following privileges:
 - Administrator of the local computer
 - Administrator of the Exchange Server

2. Run Setup.exe from Software Installation Package.

3. Select the required language.

Click Next.

4.	Select the option t	o Install	Calypso on	this	64-bit	computer
	beleet the option t				• • • • •	

Your screen may look different from the example shown.

5. Select I accept the terms in the license agreement. Click Next.

Select the language you will use during installation. English (United States)
Next > Cancel
 View Install Duick Start Guide (Requires Adobe Acrobat Reader) Install Adobe Acrobat Reader
installer
ILicense Agreement Please read the following License Agreement. Press the PAGE DOWN key to view the entire agreement.
End User License and Limited Warranty Agreement
Software Release 9.0.0 (including Microsoft@ SQL Server ³⁴ 2008 Enterprise Edition, SQL Server ¹³⁴ 2008 Express Edition and Windows Fre-Installation Environment)
Eval Tarve T Environ A communit C 1 accept the terms in the license agreement. Installer
< Back Next > Cancel

6. Expand Client Modules | Backup & Recovery | Exchange | File System and select Exchange Database *i*DataAgent.

	Installer Select Platforms	
	Select the platforms you want to c	configure.
	Common Technology Common Technology	les reactors why it may be disabled disabled ry - Disk Space ry - Disk Space (Rec Recommended) h & Browse ent 0 MB/ 0 MB plicator Temporary on C. drive:
if this computer and the CommServe is irewall services option and then click	s separated by a firewall, select the Configure k Next .	×
For firewall options and configuration ir continue with the installation.	nstructions, see Firewall Configuration and	
If firewall configuration is not required,	, click Next.	machine and the CommServe, configure firewall services below.
	Commoerve are blocked, and a machine, or whether there is a f	nection to CommServe on tunnel port action toward this machine
inter the fully qualified domain name o		
Click Next .	CommServe Name Specity the CommServe compute name	r name and host
Do not use space and the follow name for the CommServe Host	ving characters when specifying a new Name:	ie
\ `~!@#\$%^&*()+=<>/?,[]{]	CommServe Host Name	(fied, IP host name; for example: y.com)
	Installer	<back next=""> Cancel</back>
Click Next .	Installer Communication Interface I Setup will configure the communic	
	levelcr	
	communi audi.myc	interface name that this computer will use to cate with the CommServe company.com st(es) for the selected host.
	Installer	<back next=""> Cancel</back>

8. Enter the fully qualified domain name of the CommSe Click Next.

9. Click Next.

7.

Select Add programs to the Windows Firewall Exc 10. programs and services to the Windows Firewall Exclusion

Click Next.

This option enables CommCell operations across Windows firewall by adding CommCell programs and services to Windows firewall exclusion list.

It is recommended to select this option even if Windows firewall is disabled. This will allow the CommCell programs and services to function if the Windows firewall is enabled at a later time.

11.

12.

13.

	Installer
	Windows Firewall Exclusion List Allow programs to communicate through Windows Firewall
	Windows Firewall is ON
	Add programs to the Windows Firewall Exclusion List
	If you plan on using Windows Firewall, it is recommended to add the software programs to the exclusion list.
	Installer < Back Next > Cancel
Verify the default location for software installation.	Installer
Click Browse to change the default location.	Destination Folder Select the destination folder to install the program files.
Click Next.	
 Do not install the software to a mapped network drive. Do not use the following characters when specifying the destination path: 	Click Next to accept the default location, or click Browse to choose an alternate location. Destination Folder GAPpogram Files Browse
/:*?"<> #	
It is recommended that you use alphanumeric characters only.	Drive List C: S28 MB Installer C Back Next> Cancel
Select a Client Group from the list.	Installer
Click Next.	Client Group Selection Select a client group for the client.
This screen will be displayed if Client Groups are configured in the CommCell Console.	Select a client group for the client. The Client Group is a logical grouping of client machines which have the same associations at various levels like Schedule Policy, Activity Control, Security and Reports.
	Client group: None Selected client_group Installer
Click Next.	Installer Schedule Install of Automatic Updates Choose when you want to schedule an install of the downloaded updates.
	✓ Schedule Install of Automatic Updates ○ Once ✓ Weekly ○ Weekly ○ Monday ○ Tuesday ○ Weensday ○ Friday ○ Saturday ○ Sunday Installer ✓ Kack Next> Cancel

Select a Storage Policy. 14. Click Next.

Page 31	of 112

X

15.

16.

17.

Unassigned Installe < Back Next> If you do not have Storage Policy created, this message will be displayed. nillo rage Policy Selection Select a storage policy for the default suboli backed up. ent to be Click OK. Configure for Laptop or Desktop Backup You can create the Storage Policy later in step 21. Next > Select the backup type for Exchange Database backups. Choose either of the Installe following options, then click Next. Exchange Backup Options Please select a default backup type • Differential - Specifies that each non-full Exchange Database backup secures all data that has changed since the last full backup. Transaction lobs are not purged. • Incremental - Specifies that each non-full Exchange Database backup secures Backs up changes in the Information Store and Directory Service since the last Full backup. Does not purge the transaction logs. C Differential only that data that has changed since the last backup of any type. Committed transaction logs are purged. Incremental p changes in the financiau id Directory Service since the las kup or Incremental backup. The ed transaction logs are then Installer <Back Next> Enter the user credentials to access the Exchange Server to perform the backup operation. Enter Administrator account information Enter Administrator account information • The User Account must have Exchange Administrator privileges. • The installation detects the domain name. If necessary, you can Account Name modify the domain name by specifying Windows domain that the Exchange Server resides in. Account Passwo Click Next. Installer Summary Summary of install selections Setup has enough information to start copying the program files. If you are satisfied with the install settings, click Next to begin copying files. Destination Path = C:\Program Files\ CommServe Host = mycomputer.mycompany.com Interface Name = audi.mycompany.com Client = audi Job Results Path = C:\Program Files\JobResults Global Filters = Use Cell level policy Installer < Back Next >

Installer

Storage Policy Selection

Select a storage policy for the default subclient to be backed up.

🔲 Configure for Laptop or Desktop Backup Select a storage policy from the pull-down list.

-

Cancel

Cancel

Cancel

<u>Cancel</u>

^

*

Cancel

×

18. The install program displays a reminder to verify that Circular Logging is disabled before performing any database backup operations. To verify that Circular Logging is disabled:

- From Exchange System Manager, navigate to and expand the server that the Database *i*DataAgent is being installed on.
- Verify that the Circular Logging check box has not been selected for each Storage Group. If Circular Logging has been enabled for a Storage Group, disable it at this time.

Click OK.

19. Click Next.

20. Click Finish.



Installer	K
Schedule Reminder Job schedule creation reminder	
Please note: You still need to create a Job Schedule for each iDataAgent that has been installed on this client computer. Job Schedules are required to allow the iDataAgents to perform automated backup and restore operations. Job Schedule creation can be accomplished through the CommCell Console administration interface.	
Installer	
Installer	۲
Completion Report Setup complete	
Software installation completed successfully.	
Installer Technical Support Website Einish	

If you already have a storage policy selected in step 14, Click Next > button available at the bottom of the page to proceed to the **Configuration** section.

If you do not have Storage Policy created, continue with the following step.

21. Create a Storage Policy:

5

- 1. From the CommCell Browser, navigate to **Policies**.
- 2. Right-click the Storage Policies and then click New Storage Policy.
- 3. Follow the prompts displayed in the Storage Policy Wizard. The required options are mentioned below:
 - Select the Storage Policy type as Data Protection and Archiving and click Next.
 - $\circ~$ Enter the name in the Storage Policy Name box and click Next.
 - From the Library list, click the name of a disk library to which the primary copy should be associated and then click Next.

Ensure that you select a library attached to a MediaAgent operating in the current release.

- From the MediaAgent list, click the name of a MediaAgent that will be used to create the primary copy and then click Next.
- $\circ\;$ For the device streams and the retention criteria information, click Next to accept default values.
- $\circ~$ Select Yes to enable deduplication for the primary copy.
- From the **MediaAgent** list, click the name of the MediaAgent that will be used to store the Deduplication store.

Type the name of the folder in which the deduplication database must be located in the Deduplication Store Location or click the Browse button to select the folder and then click **Next**.

 $\circ~$ Review the details and click Finish to create the Storage Policy.

• If you want to install Exchange Agents (such as Exchange Mailbox iDataAgent, Exchange Public Folder iDataAgent, Exchange Mailbox Archiver



and/or Exchange Public Folder Archiver), click Create the Registry Keys.

 If you are installing the Exchange Database iDataAgent, click Next > button available at the bottom of the page to proceed to the Configuration section.

CREATE THE REGISTRY KEYS

Create the bAllowMultiInstances and bAllow32BitInstallOn64Bit registry keys.

22. Create the bAllowMultiInstances registry key.

To create the registry key, see the following steps:

- 1. Start the Registry Editor (Regedit.exe or Redegt32.exe)
- Locate the directory under which you want to create a key, e.g., HKEY_LOCAL_MACHINE\SOFTWARE\.
- 3. Right click the SOFTWARE and click New -> Key.
- 4. Name the key as GalaxyInstallerFlags.
- 5. Right click the GalaxyInstallerFlags and select New -> DWORD value, name it as bAllowMultiInstances and by double clicking the bAllowMultiInstances key modify the Value data to 1.

To create the registry key, see the following steps:

- 1. Start the Registry Editor (Regedit.exe or Regedit32.exe)
- Locate the directory under which you want to create a key, e.g., HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node.
- 3. Right click the SOFTWARE and click New -> Key.
- 4. Name the key as GalaxyInstallerFlags.
- 5. Right click the GalaxyInstallerFlags and select New > DWORD value, name it as bAllow32BitInstallOn64Bit and by double clicking the bAllow32BitInstallOn64Bit key modify the Value data to 1.

Select the language you will use during installation. English (United States)	
	Next > Cancel
≕ Software install options	⊜ Esit

24. Run Setup.exe from Software Installation Package.

Create the bAllow32BitInstallOn64Bit registry key.

25. Select the required language.

Click Next.

23.

- 26. Select the Calypso 32-bit Software install options to install software. NOTES
 - This screen will only appear when the bAllow32BitInstallOn64Bit registry key has been created and enabled on this computer.

27. Select I accept the terms in the license agreement. Click Next. **28.** Select **Create a new instance** option to install the Exchange Agents on separate instance.

NOTES

- This screen will appear when the bAllowMultiInstances registry key has enabled on this computer.
- This screen will not appear if no other software components are installed on the computer.
- 29. To install the Exchange *i*DataAgents expand Client Modules | Backup & Recovery | Exchange, and select one or more of the following:
 - Exchange Mailbox iDataAgent
 - Exchange Public Folder iDataAgent

To install the **Exchange Archiver Agents**, expand **Client Modules | Archive Management**, and select one or more of the following:

- Exchange Compliance Archiver
- Exchange Mailbox Archiver Agent
- Exchange Public Folder Archiver Agent

Click Next.

Note that the Exchange Database *i*DataAgents must be installed on the Exchange Server, see Install the Exchange Database *i*DataAgent for stepby-step procedure.

30. If this computer and the CommServe is separated by a firewall, select the **Configure firewall services** option and then click **Next**.

For firewall options and configuration instructions, see Firewall Configuration and continue with the installation.

If firewall configuration is not required, click **Next**.

CommServe is reachable only through a proxy

Next >

Cancel

Installer

31. Enter the fully qualified domain name of the **CommServe Host Name**.

Click Next.

Do not use space and the following characters when specifying a new name for the CommServe Host Name:

\|`~!@#\$%^&*()+=<>/?,[]{}:;'"

32. Click Next.

If there is any other instance installed on the computer, make sure that the host name does not match the client name entered in the **Select a client name** field in the previous instance.

33. Select Add programs to the Windows Firewall Exclusion List, to add CommCell programs and services to the Windows Firewall Exclusion List.

Click Next.

This option enables CommCell operations across Windows firewall by adding CommCell programs and services to Windows firewall exclusion list.

It is recommended to select this option even if Windows firewall is disabled. This will allow the CommCell programs and services to function if the Windows firewall is enabled at a later time.

34 Verify the default location for software installation.

Click **Browse** to change the default location.

Click Next.

- Do not install the software to a mapped network drive.
- Do not use the following characters when specifying the destination path:

/:*?"<>|#

It is recommended that you use alphanumeric characters only.

35. Select a Client Group from the list.

Click Next.

This screen will be displayed if Client Groups are configured in the CommCell Console.

Installer	
CommServe Nam	ie
Specify the CommSer	rve computer name and host
name	
CommServe	e Client Name
CommSonue	e Host Name
(Enter a val	ilid, fully-qualified, IP host name; for example:
mycompute	er.mycompany.com)
mycompute	er. mycompany. com
1	
Installer	
	<back next=""> Cance</back>
Installer	
Communication I	nterface Name
	he communication paths.
	Select a client name
	audi_on
	Select an interface name that this computer will use to
	communicate with the CommServe
	audi.mycompany.com
	ID Address(se) (setting selected basis
	IP Address(es) for the selected host.
Installer	
	< Back Next > Cance
	Cance
Installer	
	I Evelusion List
Windows Firewal	mmunicate through Windows
Firewall	
Windows Firewal	all is ON
Add program	is to the Windows Firewall Exclusion List
, Add program	
If you plan on us	sing Windows Firewall, it is recommended to add the software programs to
If you plan on us exclusion list.	ing Windows Firewall, it is recommended to add the software programs to
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exclusion list. Installer Installer Destination Folde	< Back. Next > Cance
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exclusion lat. Installer Installer Destination Folde Select the destination	< Back Next > Cance 20 n folder to install the program files.
exclusion lat. Installer Installer Destination Folde Select the destination	< Back Next > Cance and and and and and and and and
exclusion list. Installer Installer Destination Folde Select the destination Click Next to accep Destination Folde	< Back Next > Cance and an older to install the program files. In folder to install the program files. In the default location, or click Browse to choose an alternate location.
exclusion list. Installer Installer Destination Folde Select the destination	< Back Next > Cance and an older to install the program files. In folder to install the program files. In the default location, or click Browse to choose an alternate location.
exclusion list. Installer Installer Destination Folde Select the destination Click Next to accep Destination Folde	< Back Next > Cance and an older to install the program files. In folder to install the program files. In the default location, or click Browse to choose an alternate location.
exclusion list. Installer Destination Folde Select the destination Elick. Next to accep Destination Folde	
exclusion list. Installer Installer Destination Folde Select the destination Click Next to accep Destination Folde	< Back Next > Cance and an older to install the program files. In folder to install the program files. In the default location, or click Browse to choose an alternate location.

< Back

Next:

Cancel

Installer
36. Click Next.

37. Select a **Storage Policy**. Click **Next**.

If you do not have Storage Policy created, this message will be displayed. Click ${\bf OK}.$

You can create the Storage Policy later in step 43.

38. Select **Exchange Server Name** and **Exchange Server Version** from drop-down list.

Click Next.

This screen will appear when you are installing $\ensuremath{\mathsf{Exchange}}$ Agents on Non-Exchange Server.

Installer	×
Client Group Selection	
Select a client group for the client.	
The Client Group is a logical grouping of client machines which have the same associations at various levels like Schedule Policy, Activity Control, Security and Reports.	
Schedule Policy, Activity Control, Security and Reports.	
Client group:	
None Selected	
client_group	
Installer	
< Back Next > Cancel	
	_
Installer	X
Schedule Install of Automatic Updates	لعا
Choose when you want to schedule an install of the	
downloaded updates.	
✓ Schedule Install of Automatic Updates	
C Once	
Weekly Time: 08:31:12 PM ▲ ■	
• Weekly • Monday C Tuesday	
C Wednesday C Thursday	
C Friday C Saturday	
C Sunday	
Installer	
< Back Next > Cancel	
Installer	
Storage Policy Selection	
Select a storage policy for the default subclient to be	
backed up.	
Configure for Laptop or Desktop Backup	
Conligue for Eaplop of Desktop Backup	
Select a storage policy from the pull-down list.	
Unassigned 💌	
Installer	
< Back Next > Cancel	1
	_
Instatler	
Storage Policy Selection	
Select a storage policy for the default subclient to be backed up.	
Configure for Laptop or Desktop Backup	
Installer < Back Next > Cancel	-1
Installer	×
Exchange Server Name	
Please provide Exchange server name	
- Fushanan Caruar	
Exchange Server	
Exchange Server Name: Exchange_Server	
I change_server	
Exchange Server Version	
Exchange 2007	
Installer	_
Installer < Back Next > Cancel	

- **40.** Enter the following Exchange Administrator information then click **Next**.
 - Account Name Domain user account created with the exchange server administrator permissions. Do not include the domain name here.
 - Account Password The password assigned to the domain user.
 - Mailbox Name for this Account Mailbox associated with the user above.
 - Profile Name Specify profile name to be created during agent install. This profile is associated with the domain user's mailbox.
 - Exchange Server Name Name of the Exchange Server that the agent will communicate with for data protection and recovery operations.

Enter the Mailbox Role Server name (NetBIOS). After installation configure the roles as described in Configure Mailboxes in Database Availability Group (DAG) Servers.

- Domain The installation detects and enters a domain name. If necessary, modify the domain name by specifying Windows domain that the Exchange Server resides in.
- 41. Click Next.

42. Click Finish.

Installer	X
Summary	
Summary of install selections	
Setup has enough information to st install settings, click Next to begin (art copying the program files. If you are satisfied with the copying files.
	<u></u>
Destination Path = C:\Program File CommServe Host = mycomputer, my Interface Name = audi.mycompany Client = audi Job Results Path = C:\Program File	ycompany.com J.com
Global Filters = Use Cell level policy	
<	<u>></u>
Installer	<back next=""> Cancel</back>
Installer	×
Exchange Administrator Accou Information Mailbox and Profile information	Int
Place enter the Evolvance account in	formation required below. A new profile will be created with
the information supplied.	comparent aquired below. A new prolife will be created with
Account Name:	Profile Name:
Account Password:	Exchange Server Name:
Mailbox Name for this Account:	Domain:
Installer	
Installer	<back next=""> Cancel</back>
Installer	×
Installer Schedule Reminder	×
Schedule Reminder	
Schedule Reminder Job schedule creation reminder	
Schedule Reminder Job schedule creation reminder Please note:	nd is for each Dated and that has been just lind on
Schedule Reminder Job schedule creation reminder Please note:	edule for each iD ataAgent that has been installed on
Schedule Reminder Job schedule creation reminder Please note: You still need to create a Job Sch this client computer. Job Schedules are required to all	edule for each iD ataAgent that has been installed on w the iD ataAgents to perform automated backup
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Schedule Reminder Job schedule creation reminder Please note: You still need to create a Job Sch this client computer. Job Schedules are required to all and restore operations. Job Schedule creation can be ac	w the iDataAgents to perform automated backup
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If you already have a storage policy selected in step 37, Click Next > button available at the bottom of the page to proceed to the **Configuration** section.

If you do not have Storage Policy created, continue with the following step.

43. Create a Storage Policy:

- 1. From the CommCell Browser, navigate to **Policies**.
- 2. Right-click the Storage Policies and then click New Storage Policy.
- 3. Follow the prompts displayed in the Storage Policy Wizard. The required options

are mentioned below:

- Select the Storage Policy type as Data Protection and Archiving and click Next.
- Enter the name in the Storage Policy Name box and click Next.
- From the Library list, click the name of a disk library to which the primary copy should be associated and then click Next.

Ensure that you select a library attached to a MediaAgent operating in the current release.

- From the MediaAgent list, click the name of a MediaAgent that will be used to create the primary copy and then click Next.
- $\circ\;$ For the device streams and the retention criteria information, click Next to accept default values.
- $\circ~$ Select Yes to enable deduplication for the primary copy.
- From the **MediaAgent** list, click the name of the MediaAgent that will be used to store the Deduplication store.

Type the name of the folder in which the deduplication database must be located in the Deduplication Store Location or click the Browse button to select the folder and then click **Next**.

- Review the details and click **Finish** to create the Storage Policy.
- 44. Enable the following registry key to create job specific profiles:
 - From the CommCell Browser, navigate to Client Computers.
 - Right-click the <Client> in which you want to add the registry key, and then click Properties.
 - Click the Registry Key Settings tab.
 - Click Add.
 - Enter CreateProcessSpecificProfile in the Name field.
 - Enter MSExchangeMBAgent in the Location field. (For Exchange Mailbox iDataAgent).

 $\ensuremath{\mathsf{Enter}}$ MSExchangeDMAgent in the Location field. (For Exchange Mailbox iDataAgent).

- Enter REG_DWORD in the Type filed.
- Enter 1 to enable and 0 to disable the key in the Value field.
- Click OK.

METHOD 2: INSTALL SOFTWARE FROM COMMCELL CONSOLE

 From the CommCell Browser, select Tools, point to Add/Remove Software, and then click Install Software.



2. Click Next.



3. Select Windows. Click Next.

4. Select Manually Select Computers. Click Next.

5. Enter the fully qualified domain name of the computer on which you have Exchange Server.

For example: win08ex07.idclab.loc

Click Next.

Install Wizard
This wizard guides you through the steps required to install software on computers.
Click Next to continue.
< Back Next > Save As Script Finish Cancel Help
Installer
Select the computer's operating system
ablet the computer a operating system
(Windows
O Unix and Linux
< Back Next >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
< Back Script Finish Cancel Help
Installer
İnstaller 🛛
Installer Select how to discover the computers for installing the software
Select how to discover the computers for installing the software
Select how to discover the computers for installing the software
Select how to discover the computers for installing the software of Hanualy select computers Software will be installed only on the selected lst of computers. Automatically discover computers
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Solect how to discover the computers for installing the software handly select computers handly doown computers Computers will be discovered when the job runs. Computers will be discovered when the job runs.
Select how to discover the computers for installing the software I drawaly select computers Automatically discover computers Computers will be discovered when the job runs. Computers will be discovereed when the job runs. Compute
Select how to discover the computers for installing the software
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Select how to discover the computers for installing the software

6. Click Next.

 Specify User Name and Password that must be used to access the computer. Click Next.

- To install the Exchange iDataAgents expand Client Modules | Backup & Recovery | Exchange, and select one or more of the following:
 - Exchange Database iDataAgent
 - Exchange Mailbox iDataAgent
 - Exchange Public Folder iDataAgent

Click Next.

For Non-Exchange Server, Exchange Database $i\mbox{DataAgent}$ will not be applicable.

9.

- Select Client Group from Available and click Add.
 - Select a **Storage Policy** from the drop-down list. Click **Next**.

NOTES:

 Select the Configure for Laptop or Desktop Backup option to install Backup Monitor utility. This utility allows you to view the backup job summary from the client computer without opening the CommCell Console. See Monitor - Laptop User for more information.

	Software Cache
To use i Overrid	current Client or Client Group Software Cache settings, click Next. To override Software Cache settings check. e Software Cache and select the Software Cache to be used.
	Werlde Software Cache
	ftware Cache: murphy.domain.company.com
	<book [mext.="">] Save As Script Finish Cancel Heb</book>
Installe	n 🔀
Enter	Account Information
The : multi	specified account should have administrative access to the computer. If you are installing ple clients, the user should have access to all clients.
	Reuse Active Directory credentials
	User Name: Example:domain\username
	Password:
	Confirm Password:
< <u>B</u> ack	k Next > Save As Script Finish Cancel Help
Installer Select Pac	Rapor(s) to Install
	-kage(s) to Install
	PA.gec() to Install D3.ever Daubyst D4.for No.co D4.for No.co D4.for No.co D4.for No.co D4.for No.co D5.for No.co D5.for No.co D0.for No.co D0.for No.co D0.for No.co D0.for No.co
Select Pac	PARpec() for Install DS. Server Gradupute DS / For Oask DS / For Oask D / For Foreits D / Foreits
Solect Pac	PAS.pec() to Install PS.sever ObsAlgert Stoff for Oasts Stoff for Oasts Stoff for NetCli Stoff for NetCli December All Stoff for Oasts December All Stoff for Oasts/pet Decharge Net Stoff DataSpet
Select Pac	PAcpec() for install DS. Even of Dadapate A D SD. Even of Dadapate A D SD. Even of Dadapate A D SD. Even of Dadapate B D SD. Even of Dadapate B D Dadapate
Solect Pac	PAcpec() for install DS. Serve To Stadpate Stof for Oaks Charpe Nath Stof Dadapet Datapet Stof Andrey Collaget Charpe Nath Stof Dadapet
Select Pac	PARCENT OF Graduate Image: Constant of
	PARCE() to Install PS. Perror Dataget Stor For Coale Stor For Social Stor For Social Definition
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Sciect Pac	Processory of contrast D Star For Constance D Constraint More
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Select Pace	House of the formation Start for cases S
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Select Pace	Repect to function Start For addresses Start For add
Solect Pace	Proceeding Selected
Solect Pace	Process Second Second Process Second Proces
Select Pace	Accept to Install Shift code /ul>
Select Pace	Acception for standing Image: S
Select Pace	Accept to Install Shift code /ul>
Select Pace	Accept to Install Shift code /ul>

10. Type the Agent Specific Settings information. Click Next.

11. Click Next.

12. Select Immediate. Click Next.

13. Click Finish.

Agent Specific Settings			
Components			
😑 ExchangeServer I			
Server Name win05			
😑 Exchange Profile (
User Account IDCLAE Mailbox Name			Configure Password
Profile Name			
😑 Exchange Databa	e (Optional)		
User Account IDCLAR			Configure Password
O Differential Backup			
 Incremental Backup 			
	Rack Next 1	Save As Script	Finish Cancel
	C Barr	P Save ve Script	Calca
staller			
nter Additional Install Opt	ons		
😑 Installer Flags			
✓ Install Updates			
Reboot (if required)	(hereinen)		
Kill Browser Processes (i	requireu)		
Stop Oracle Services (F	equired)		
	ady part of the CommCell component		
Advanced Options			
🖌 Delete Packages After I	istall		
Ignore Client/Host Name	Conflict		
Install Result Log Location			
Install Agents For Resto	e Only		
Optional Settings			
Job Result Direct Path	ory		
CVD Port			84
Evingric Port			84
Install Directory			
Log File Location			
CommServe Host Name			
	< Back [Next.)	Save As Script	Pinish Cancel
Installer			
Piease Select Wr	en To Run The Job)	
Job Initiation			
	~		
(Immediate	-		
Run this jo	now		
O Schedule			
Configure :	ichedule Pattern	Configure	

<Back Next> Save As Script Finish Cancel Help

- **14.** You can track the progress of the job from the **Job Controller** or **Event Viewer** window.
- **15.** Once the job is complete, right-click the **CommServe** computer, click **View** and then click **Admin Job History**.

16. Select Install/Upgrade/Remove Software. Click OK.

Page 43 of 112

	and the second se
Installer	
Summary	
	s and click Finish to run the job immediately or click Save As Script to save the job options as a script.
Client Install Option Select Type Of Installation	. 11%-d-m-
Select Type Of Client Disc	wery: Manually select computers
Exclude discovery of comp Reuse Active Directory cre	tters with SRM agents already installed: Yes dentials: No
Client Authentication for Job	
User Name: IDCLAB\admin	istrator
Password: ****	
Install Flags Install Updates: Yes	
Reboot (if required): No	
Kill Browser Processes (if a Ignore Running Jobs: No	equired): No
Stop Oracle Services (if re	
Skip clients that are alread Delete Packages After Ins	y part of the CommCell component: No
Ignore Client/Host Name (ionflict: Yes
Install Agents For Restore	Only: No
Client Composition	
Override Software Cache: Salast Time Of Installation	
	<back ment=""> Save As Script Finish Cancel Help</back>
Dis Controller ×	# 4 } •0 0 €
No. Job ID Operation Client Co 20 Install Software	Agent Type Subclent 3xb Typer 1 Phase Storage Media/gent Status Progress Errors Delay Reason 3 34 Completed 1020
I Faue Pierra Purch	× *
😧 Event Wever 🗴 🚷 Admin Job History :	€ 4 ⇒ II
Event Varver investy Event ID Job ID Date 228 20 08/31/2010 1	**1 Program Computer Event Code Description 2 *1615 Description 66152 3x6 Considered SuccessFully 6
227 20 08/31/2010 1 226 08/31/2010 1	:45:44 [teinholdsSoftware apple 00:83 [All packages were accessfully installed on client.] wurphy-testiab.com/woult.com.]. :45:07 CVD apple 4:045 Installation of [Witual Server Agent] on the client [murphy] completed successfully.
225 08/31/2010 1 224 08/31/2010 1	195.07 CVD apple 4.045 Instalation of [Windows File System DataAgent] on the dent [murphy] complete 41.39 EMIgr5 exple 352.354 User [admin] has lagged on.
Pause Playing Information, Mnor, Major,	Critical, Machinan events shows: 200
· · · · · · · · · · · · · · · · · · ·	
idol.testlab.commvault.c	
File View Tools Windows	
2 🖪 🖪 🗞 🗉	
All Tasks	→ apple × ↓ □ □ ³
Wew 2 >	Job History
Control Panel	Admin Job History Client Security Storage Policies
Properties	Log Files 3 Computers Resources V Users Logged In 4 b III
Of Virtual Server mustang	Schedules P 🗆 🗗
⊕ 00 File System ⊕ 00 Virtual Server	Fl Job ID Operation Client Co Agent Type Subclient Job Type* 1 Phas S 21 Data Aging N/A •
Security Security Storage Resources	C 3
Policies Reports	II Pause Playing Runnin
Content Director	Event Viewer × 🎆 Admin Job History × 4 🕨 🗉
	First Newer ₽ □ □ Seventy Event ID Job ID Date >1 Program Computer Ev st

8 object(s)		appre admin
Admin Job History Filter		
Job Type		
⊖ Al	O Data Aging	C Export Media
Auxiliary Copy	O Inventory	O Disaster Recovery Backup
O Data Verification	Offline Content Indexing	C Erase Media
C Erase Backup/Archived Data	O Drive Validation	O Drive Cleaning
🔘 Stamp Media	O Install/Remove Updates	O Download/Copy Software
Install/Upgrade/Remove Software	Disk Library Maintenance	SRM Reports/Actions
Information Management	O CommCell Export	O CommCell Import
O Media Refreshing	O Recover Store	
Start Time Mon 08/30/2010	Tue	08/31/2010
Job Status	oleted O Failed	◯ Kiled
Number of Jobs View All Jobs Desired Number of Jobs	10 -	
Include Aged Data	2 (OK Cancel Help

- 17. You can view the following details about the job by right-clicking the job:
 - Items that succeeded during the job
 - Items that failed during the job
 - Details of the job

- Events of the job
- Log files of the job

Job Type	Job ID	Status	Start Time	End Time	User N	Error C	Storag	Auton	Legal	Legal	
Install Software	20	S Complete	View Job Details	11.	, admin			NIA.	N/A	N/A	
			Resubmit Job								
			View Events								
			View Content In	dex 🔸							
			View Logs								
			Send Logs								

18.

Enable the following registry key to create job specific profiles:

- From the CommCell Browser, navigate to Client Computers.
- Right-click the <Client> in which you want to add the registry key, and then click Properties.
- Click the Registry Key Settings tab.
- Click Add.
- Enter CreateProcessSpecificProfile in the Name field.
- Enter MSExchangeMBAgent in the Location field. (For Exchange Mailbox iDataAgent).

Enter MSExchangeDMAgent in the Location field. (For Exchange Mailbox iDataAgent).

- Enter REG_DWORD in the Type filed.
- Enter 1 to enable and 0 to disable the key in the Value field.
- Click OK.



Install the 32-bit Exchange Agents on Exchange Server 2007/2010 or 64-bit Non-Exchange Server - Clustered Environment

Previous Next >

The Exchange Agents are designed to protect an entire Exchange Server database. Follow the steps given below to install the 64-bit Exchange Agents on Exchange Server 2007/2010 or on Non-Exchange Server.

WHERE TO INSTALL

The Exchange Agents can be installed in one of two ways:

- Directly onto the Exchange Server. This method is referred to as an on-host installation and is useful if you want to preserve hardware resources.
- On a separate computer with connectivity to the Exchange Server. This method is referred to as an Non-Exchange Server installation and is useful if you want to offload the memory and processing resources required for backups and restores from the Exchange Server.

Make sure the computer satisfies the minimum requirements specified in the System Requirements.

RELATED TOPICS

Download Software Packages

Provides step-by-step procedure to download the latest packages for software install.

System Requirements

Verify that the computer in which you wish to install the software satisfies the System Requirements.

Firewall

Provides comprehensive information on firewall.

PREREQUISITES

The below mentioned prerequisites are for Mailbox Agents only. Ensure that you have the following:

FOR EXCHANGE SERVER 2010

- Ensure that the service account is a member of Organization Management group.
- Ensure that the mail-enabled user is a member of the Local Administrator Group and have rights to all mailboxes on the server.

To assign full access follow the steps given below:

- Using ADSIEDIT navigate to Configuration | Services | Microsoft Exchange.
- Right-click your organization name, click Properties | Securities and click the Advanced tab.
- Click Edit to modify the permissions set for Organization Management group.
- Click to select Full Control, Receive As and Send As permissions and wait for replication.
- Click the Effective Permission tab and Select the name of the backup account.
- The backup account should display the following as selected:

Full Control

All Extended Rights

Send As

Receive As

• Start the PowerShell and type the following to add the backup account so it has full control over all the databases:

Get-MailboxDatabase -server (server name) | Add-ADPermission -user "backup account" -ExtendedRights Receive-As

Run the above PowerShell every time a new database is added.

 Navigate to the Exchange Management Console, right-click the <mailbox> and click Manage Full Access Permissions to view the mailbox listed under Full Access Permissions.

FOR EXCHANGE SERVER 2007

- Service account should be a member of Exchange Organization Administrators group.
- Ensure that the mail-enabled user is a member of the Local Administrator Group and have rights to all mailboxes on the server.

EXCHANGE AGENTS IN X64 CLUSTERS

When installing 32-bit agents on a x64 virtual server, the 32-bit File System *i*DataAgent must be installed on each physical node in the cluster prior to installing the 32-bit agents on the virtual server.

For example, to support a two-node cluster with one Exchange virtual server instance supporting both x64 and 32-bit Agents, a minimum of two installation instances (one 32-bit

and one x64) are required on the virtual server and each physical node. This configuration will result in six client objects in the CommCell console; three x64 instances and three 32-bit instances.

The sample image shown on the right illustrates the required configuration for installing 32-bit Exchange Agents in an x64 cluster.



INSTALL THE EXCHANGE DATABASE *i***DATAAGENT**

The Exchange Database iDataAgent must be installed first. Follow the steps described below to install Exchange Database iDataAgent.

- Log on to the computer using an account with the following privileges:
 - Administrator of the local computer
 - Administrator of the Exchange Server
- 2. Run Setup.exe from Software Installation Package.
 - Select the required language.

Click Next.

1.

з.

4.	Select the option to Install Calypso on this 64-bit computer.
	NOTES:

• Your screen may look different from the example shown.

5. Click Next.

6. Click OK.

Select the language you will use during installation.
(English (United States)
Next >
 Instan converte on hits 64-bit computer Advanced options
 View Install Quick Start Guide (Requires Adobe Acrobat Reader) Install Adobe Acrobat Reader
Exit
Installer Velcome The Installer will guide you through the setup process for Software This program will install Software on your computer.
Installer Velcome The installer will guide you through the setup process for Software This program will install Software on your computer. It is storogly recommended that you exit all Windows programs before running this Setup program. Click Cancel to guit Setup and then close any programs you have running. Click
Installer Welcome The Installer voil guide you through the setup process for Software This program will install Software on your computer. It is strongly recommended that you exit all Windows programs before running this Setup program.
Installer Velcome The Installer will guide you through the setup process for Software This program will install Software on your computer. It is strongly recommended that you exit all Windows programs before running this Step program. Click Cancel to guid Setup and then close any programs you have running. Click Next to continue with Setup.
Installer Velcome The Installer will guide you through the setup process for Software This program will install Software on your computer. It is storingly recommended that you exit all Windows programs before running this Setup program. Dick Carcel to guil Setup and then close any programs you have running. Dick Next to continue with Setup. WARNING: This program is protected by copyright law and international treaties. Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe ori and and will be proceeded to the maximum
Installer Welcome The Installer will guide you through the setup process for Software This program will install Software on your computer. It is strongly recommended that you exit all Windows programs before running this Setup program. Dick Cancel to quil Setup and then close any programs before running. Dick Next to continue with Setup. WARNING: This program is protected by copyright law and international treaties. Unsubho: This program is protected by copyright law and international treaties. Unsubho: This program is protected by copyright law and international treaties. Unsubho: This program is protected by copyright law and international treaties. Unsubho: This program is protected by copyright law and international treaties. Unsubho: This program is protected by copyright law and international treaties. Installer
Installer Vector This program will install Software on your computer. It is strongly recommended that you exit all Windows programs before running this Setup process Exit program. Click Cancel to quil Setup and then close any programs before running. Click Cancel to quil Setup and then close any programs you have running. Click Cancel to quil Setup and then close any programs you have running. Click Cancel to quil Setup and then close any programs you have running. Click Cancel to quil Setup and then close any programs you have running. Click Cancel to quil Setup and then close any programs you have running. Click Cancel to quil Setup and then close any programs you have running. Click Cancel to quil Setup and then close any program. Marking the setup and then close any program. Click Cancel to quil Setup and then close any program. Click Cancel to quil Setup and then close any program. Click Cancel to quil Setup and then close any program. Click Cancel to quil Setup and then close any program. Click Cancel to quil Setup and then close any program. Click Cancel to quil Setup and then close any program. Click Cancel to quil Setup and then close any program. Click Cancel to quil Setup and then alw. Click S

7. Select I accept the terms in the license agreement. License Agreement Click Next. Please read the following License Agreement. Press the PAGE DOWN key to view the entire agreement. ^ End User License and Limited Warranty Agreement Software Release 9.0.0 (including Microsoft® SQL Server™ 2008 Enterprise Edition, SQL Server™ 2008 Express Edition and Windows Pre-Installation Environment) Fud Hoan I lanuas Ages I accept the terms in the license agreement. C I do not accept the terms in the license agreement. Installer Next > Cancel < Back 8. Select Configure a Virtual Server. Cluster Type Selection Configure the Physical Node or a Virtual Server Click Next to continue. - Configuration Options C Configure the Physical node ○ Configure a ⊻irtual server < Back Cancel 9. Select the disk group in which the cluster group resides. nstalle Click Next to continue. Virtual Server Selection Select the virtual server you would like to configure Choose from the following list of disk groups configured on this cluster. 2003ClusterVMS -<<u>B</u>ack <u>N</u>ext> <u>C</u>ancel 10. Expand Client Modules | Exchange | File System and select Exchange Database iDataAgent. Select Platforms Select the platforms you want to configure. Move the pointer over a platform name to see a description of the platform reasons why it may be disabled.



11. If this computer and the CommServe is separated by a firewall, select the **Configure** firewall services option and then click Next.

For firewall options and configuration instructions, see Firewall Configuration and continue with the installation.

If firewall configuration is not required, click **Next**.

12. Enter the fully qualified domain name of the **CommServe Host Name**.

Click Next.

Do not use space and the following characters when specifying a new name for the CommServe Host Name:

\|`~!@#\$%^&*()+=<>/?,[]{}:;'"

13. Click Next.

14. Select Add programs to the Windows Firewall Exclusion List, to add CommCell programs and services to the Windows Firewall Exclusion List.

Click Next.

This option enables CommCell operations across Windows firewall by adding CommCell programs and services to Windows firewall exclusion list.

It is recommended to select this option even if Windows firewall is disabled. This will allow the CommCell programs and services to function if the Windows firewall is enabled at a later time.

 Click Next 	t
--------------------------------	---

NOTES

• It is recommended to select the Download latest update pack(s) option to automatically install the available updates during installation.

Installer	
Firewall Configure Configure firewall ser	
configure mental con	
If there is a firewall b	etween this machine and the CommServe, configure firewall services below.
Configure firewa	l carvinas
Configure filend	II 30179003
Please specify how	windows Firewall is limiting network traffic. Whether it is possible to open
Connection from h CommServe are bl	ere to a CommServe's tunnel port, whether all connections toward ocked, and setup should instead expect CommServe to connect back to this er there is a Proxy in between.
machine, or wheth	er there is a Proxy in between.
C This machine ca	an open connection to CommServe on tunnel port
C CommServe car	open connection toward this machine
C CommServe is n	sachable only through a proxy
Installer	
	Next > Cancel
Installer	
CommServe Nam Specify the CommSe	re computer name and host
name	
CommServ	e Client Name
CommServ	e Host Name
(Enter a va	ilid, fully-gualified, IP host name; for example: er.mycompany.com)
mycomput	er.mycompany.com
Installer	
	< Back Next > Cancel
Installer	X
Communication I	nterface Name
	nterface Name
	nterface Name
	nterface Name he communication paths.
	nterface Name he communication paths.
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Setup wii configure t	Interface Name the communication paths: Select a client name Select an interface name that this computer will use to communicate with the CommServe audi mycompany.com IP Address[es] for the selected host.
Setup will configure t	Interface Name he communication paths. Select a client name Image: Select an interface name that this computer will use to communicate with the CommServe audi-mycompany.com IP Address[es] for the selected host.
Setup will configure t	Interface Name the communication paths: Select a client name Select an interface name that this computer will use to communicate with the CommServe audi mycompany.com IP Address[es] for the selected host.
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Setup will configue t Installer Installer Mindows Firewal Windows Firewal Windows Firewal If you plan on un	Interface Name the communication paths. Select a client name discline Select an interface name that this computer will use to communicate with the CommServe audi:mycompany.com IP Address(es) for the selected host. I Exclusion List mmunicate through Windows all is DN as to the Windows Firewall Exclusion List

16.

17.

18.

		Instatter	
			all Latest Update Packs e latest service pack and post provider website.
			l latest update pack(s) lemet connectivity at this time. This process may take sor d speed.
Verify th	ne default location for software installation.	Installer	< Back Next>
	owse to change the default location.	Destination Folder	
Click Ne	-	Select the destination f	older to install the program files.
	 Do not install the software to a mapped network drive. Do not use the following characters when specifying the destination path: 	Click Next to accept Destination Folder	he default location, or click Browse to choose an alternate
	/:*?"<> #		
	It is recommended that you use alphanumeric characters only.	Drive List C: 928 MB Installer	Space Required / Recommended 1394 MB / 1670 MB
Select a	Client Group from the list.		C DOCK 110X73
		Installer Client Group Selec	tion
Click Ne	ext.	Select a client group for	
	This screen will be displayed if Client Groups are configured in the CommCell Console.	which I Schedi	ant Group is a logical grouping of client machines aver the same associations at various levels like le Policy, Activity Control, Security and Reports. lient group:
		N	one Selected ient_group
		Installer	< Back Next >
Click Ne	ext.	Installer	
		C1	Automatic Updates to schedule an install of the
		I Schedule Install ○ Once ○ Weekly Installer	of Automatic Updates Time: 08:31:12 PM
			< Back Next >

19. Select a Storage Policy. Click Next.

X

e time

Cancel

location

Cancel

X

Cancel

Cancel

		Storage Policy Selection
		Select a storage policy for the default subclient to be backed up.
		Configure for Laptop or Desktop Backup
		Select a storage policy from the pull-down list.
		Unassigned 🔽
		Installer Cancel Cancel
	If you do not have Storage Policy created, this message will be displayed.	Installer 🔀
	Click OK.	Storage Policy Selection Select a storage policy for the default subclient to be backed up.
		Configure for Laptop or Desktop Backup
	You can create the Storage Policy later in step 31.	
		Installer < Back Next > Cancel
20.	Select the backup type for Exchange Database backups. Choose either of the	Installer
	following options, then click Next .	Exchange Backup Options
	• Differential - Specifies that each non-full Exchange Database backup secures all data that has changed since the last full backup. Transaction lobs are not purged.	Please select a default backup type
	• Incremental - Specifies that each non-full Exchange Database backup secures only that data that has changed since the last backup of any type. Committed transaction logs are purged.	C Differential Backs up changes in the Information Store and Directory Service since the last Full backup. Does not purge the transaction logs.
		C Incremental Backs up changes in the Information Store and Directory Service ince the last Full backup or Incremental backup. The committed transaction logs are then
		purged.
		Installer
		<back next=""> Cancel</back>
21.	Enter the user credentials to access the Exchange Server to perform the backup operation.	Enter Administrator account information
		Enter Administrator account information
	 The User Account must have Exchange Administrator privileges. 	
	 The installation detects the domain name. If necessary, you can modify the domain name by specifying Windows domain that the 	Account Name:
	Exchange Server resides in.	
	-	Account Password:
		Domain:
		EXCH
		Next> Cancel
22.	Click Next .	Installer X
		Summary
		Summary of install selections
		Setup has enough information to start copying the program files. If you are satisfied with the install settings, click Next to begin copying files.
		Destination Path - C\Program Files\
		Destination Path = C:\Program Files\ CommServe Host = mycomputer.mycompany.com Interface Name = audi.mycompany.com
		Client =audi Job Results Path = C:\Program Files\JobResults
		Global Filters = Use Cell level policy
		Installer
		<back next=""> Cancel</back>

23. The install program displays a reminder to verify that Circular Logging is disabled before performing any database backup operations. To verify that Circular Logging is

7

disabled:

- From Exchange System Manager, navigate to and expand the server that the Database *i*DataAgent is being installed on.
- Verify that the Circular Logging check box has not been selected for each Storage Group. If Circular Logging has been enabled for a Storage Group, disable it at this time.

Click OK.

24. To install the software on the remaining nodes of the cluster, click **Yes**.

To complete the install for this node only, click No.

25. Select cluster nodes from the **Preferred Nodes** list and click the arrow button to move them to the **Selected Nodes** list.

Once you complete your selections, click Next.

- The list of **Preferred Nodes** displays all the nodes found in the cluster; from this list you should only select cluster nodes configured to host this cluster group server.
- Do not select nodes that already have multiple instances installed.
- 26. Specify User Name and Password for the Domain Administrator account Information to perform the remote install on the cluster nodes you selected in the previous step.

Click Next.

27. The progress of the remote install for the cluster nodes is displayed; the install can be interrupted if necessary.

Click Stop to prevent installation to any nodes after the current ones complete.

Click **Advanced Settings** to specify any of the following:

- Maximum number of nodes on which Setup can run simultaneously.
- Time allocated for Setup to begin executing on each node, after which the install attempt will fail.
- Time allocated for Setup to complete on each node, after which the install attempt will fail.

If, during the remote install of a cluster node, setup fails to complete or is interrupted, you must perform a local install on that node. When you do, the install begins from where it left off, or from the beginning if necessary. For procedures, see Manually Installing the Software on a Passive Node.

Installer Over the software on remaining nodes on the cluster?
Yes No
Installer X
Cluster Node Selection
Select cluster nodes to configure
Vmcluster2 > Vmcluster3 Vmcluster4 >
Next > Cancel
Installer X
Installer X
Please provide domain administrator account
Domain Account Information User Name (<ddmain user="">): LAB \\dministrator Account Password:</ddmain>
< <u>B</u> ack <u>N</u> ext> Cancel
Installer X
You can stop remote install at any time. Installed clients will not be uninstalled. Clients in
progress will continue installation, but their results will not show correctly.
Client Name Client Status Start Time End Time Result Description real2
Installed successfully: 0 Left to install: 1 Failed to install: 0 In progress: 0 Max 1 =
Elapsed time: 0 sec Estimated time left: 10 min 0 sec
Installer
Advanced Settings Stop
Installer
Number of simultaneous remote machines to run Setup: 10 👘 machines
Time to wait for Setup to start on each remote machine:
Time to wait for Setup to complete on each remote machine: 15 🚊 minutes
<u> </u>

Please verify that Orcular Logging is disabled before perfor backup operations.

ОК

ng any database

28. Read the summary for remote installation to verify that all selected nodes were

nstaller	
Results Remote install results	
Summary of remote install	
The following software (Version) were selected to be installed: + CommCell	<u>_</u>
REAL2: Install succeeded.	
	▼
	inish 📄
staller	×
chedule Reminder Job schedule creation reminder	
Please note:	
You still need to create a Job Schedule for each iDataAgent that has been inst this client computer.	alled on
Job Schedules are required to allow the iDataAgents to perform automated bac and restore operations.	kup
Job Schedule creation can be accomplished through the CommCell Console administration interface.	
Installer	Next >
staller	X
ompletion Report	
Setup complete	
Software installation completed successfully.	-
Visit the website below to download latest Updates and Service Packs.	
Click Finish to complete Setup.	
	*
Installer	2010-000
Technical Support Website	inish

that node once the current installation is complete. See Manually Installing the Software on a Passive Node for step-by-step instru

Click Next.

installed successfully.

Installing the Software on a Passive Node for step-by-step instructions.
The message displayed on your screen will reflect the status of the selected nodes, and may look different from the example.

• If any node installation fails, you must manually install the software on

29. Click Next.

30. Click Finish.

S

If you already have a storage policy selected in step 19, Click Next > button available at the bottom of the page to proceed to the **Configuration** section.

If you do not have Storage Policy created, continue with the following step.

31. Create a Storage Policy:

- 1. From the CommCell Browser, navigate to **Policies**.
- 2. Right-click the Storage Policies and then click New Storage Policy.
- 3. Follow the prompts displayed in the Storage Policy Wizard. The required options are mentioned below:
 - Select the Storage Policy type as Data Protection and Archiving and click Next.
 - Enter the name in the Storage Policy Name box and click Next.
 - From the **Library** list, click the name of a disk library to which the primary copy should be associated and then click **Next**.

Ensure that you select a library attached to a MediaAgent operating in the current release.

- From the **MediaAgent** list, click the name of a MediaAgent that will be used to create the primary copy and then click **Next**.
- For the device streams and the retention criteria information, click Next to accept default values.
- $\circ~$ Select Yes to enable deduplication for the primary copy.
- From the **MediaAgent** list, click the name of the MediaAgent that will be used to store the Deduplication store.



Type the name of the folder in which the deduplication database must be located in the Deduplication Store Location or click the Browse button to select the folder and then click **Next**.

 $\circ~$ Review the details and click Finish to create the Storage Policy.

32.

- Enable the following registry key to create job specific profiles:
 - From the CommCell Browser, navigate to Client Computers.
 - Right-click the <Client> in which you want to add the registry key, and then click
 - Properties.Click the Registry Key Settings tab.
 - Click Add.
 - Enter CreateProcessSpecificProfile in the Name field.
 - Enter MSExchangeMBAgent in the Location field. (For Exchange Mailbox iDataAgent).
 Enter MSExchangeDMAgent in the Location field. (For Exchange Mailbox

Enter MSExchangeDMAgent in the Location field. (For Exchange Mailbox iDataAgent).

- Enter REG_DWORD in the Type filed.
- Enter 1 to enable and 0 to disable the key in the Value field.
- Click OK.

INSTALL THE EXCHANGE AGENTS

The Windows File System iDataAgent must be first installed onto all of the physical nodes of the cluster. See Install the Microsoft Windows File System iDataAgent if you have not installed it on all of the physical nodes.

Once it has been installed onto the physical nodes, the Exchange Agents (such as Exchange Mailbox *i*DataAgent, Exchange Public Folder *i*DataAgent, Exchange Mailbox Archiver and/or Exchange Public Folder Archiver) and Windows File System *i*DataAgent can be installed from the active node to the virtual server using the following steps described below to install Exchange Agents.

The software can also be automatically installed on all available passive nodes when the software is installed onto the virtual server, or you can choose to install any passive node(s) separately.

CREATE THE REGISTRY KEYS

Before installing the Exchange Agents, create the bAllowMultiInstances and bAllow32BitInstallOn64Bit registry keys.

1. Create the bAllowMultiInstances registry key.

To create the registry key, see the following steps:

- 1. Start the Registry Editor (Regedit.exe or Redegt32.exe)
- Locate the directory under which you want to create a key, e.g., HKEY LOCAL MACHINE\SOFTWARE\.
- 3. Right click the SOFTWARE and click **New -> Key**.
- 4. Name the key as GalaxyInstallerFlags.
- 5. Right click the GalaxyInstallerFlags and select New -> DWORD value, name it as bAllowMultiInstances and by double clicking the bAllowMultiInstances key modify the Value data to 1.

Create the bAllow32BitInstallOn64Bit registry key.

To create the registry key, see the following steps:

- 1. Start the Registry Editor (Regedit.exe or Regedit32.exe)
- Locate the directory under which you want to create a key, e.g., HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node.
- 3. Right click the SOFTWARE and click New -> Key.
- 4. Name the key as GalaxyInstallerFlags.
- 5. Right click the GalaxyInstallerFlags and select New -> DWORD value, name it as bAllow32BitInstallOn64Bit and by double clicking the bAllow32BitInstallOn64Bit key modify the Value data to 1.

INSTALL PROCEDURE

2.

Log on to the computer using an account with the following privileges:
 Administrator of the local computer

- Administrator of the Exchange Server
- 2. Run **Setup.exe** from Software Installation Package.
- Select the required language.
 Click Next.

Select the language you will use during installation.	
English (United States)	
Next > Cance	
= Software install options	
≡ 32-bit Software install options	
e Ewi	
€ Exit	
Installer	X
Welcome The Installer will guide you through the setup process for Software	
This program will install Software on your computer. It is strongly recommended that you exit all Windows programs before running this Setup program. Click Cancel to quit Setup and then close any programs you have running. Click Next to continue with Setup. WARNING: This program is protected by copyright law and international treaties. Unauthorized reproduction or distribution of this program, or any portion of it may result in severe civil and criminal penalties, and will be prosecuted to the maximum externt possible under the law.	
Installer Cance	 I
Installer	it in د
Installer License Agreement Please read the following License Agreement. Press the PAGE DOWN key to view the entire agreement.	
End User License and Limited Warranty Agreement	
Software Release 9.0.0	
(including Microsoff® SQL Server [™] 2008 Enterprise Edition, SQL Server [™] 2008 Express Edition and Windows Pre-Installation Environment)	
I accept the terms in the license agreement.	

Select the Calypso 32-bit Software install options to install software.
 NOTES

• This screen will only appear when the bAllow32BitInstallOn64Bit registry key has been created and enabled on this computer.

5. Click Next.

- 6. Click OK.
- 7. Select I accept the terms in the license agreement. Click Next.

8. Select **Create a new instance** option to install the Exchange Agents on separate instance.

Getting Started - Exchange Mailbox iDataAgent

NOTES

- This screen will appear when the bAllowMultiInstances registry key has enabled on this computer.
- This screen will not appear if no other software components are installed on the computer.

Select Configure a Virtual Server.
 Click Next to continue.

 Select the disk group in which the cluster group resides. Click Next to continue.

- 11. To install the Exchange *i*DataAgents expand Client Modules | Exchange, and select one or more of the following:
 - Exchange Mailbox iDataAgent
 - Exchange Public Folder iDataAgent

To install the **Exchange Archiver Agents**, expand **Client Modules | Archive Management**, and select one or more of the following:

- Exchange Compliance Archiver
- Exchange Mailbox Archiver Agent
- Exchange Public Folder Archiver Agent

Click Next.

Note that the Exchange Database *i*DataAgents must be installed on the Exchange Server, see Install the Exchange Database *i*DataAgent for step-by-step procedure.

 If this computer and the CommServe is separated by a firewall, select the Configure firewall services option and then click Next.

For firewall options and configuration instructions, see Firewall Configuration and continue with the installation.

If firewall configuration is not required, click **Next**.

Installer	
	× ×
	ice Selection the instance you want to use during
install.	the instance you want to use during
	Instance Selection
	Create a new instance (Not recommended)
	C Install to existing instance
	Select an installed instance.
	Client Name
	Client Host Name
	CommServe Name
Installe	< Back Next > Cancel
	Caricer Caricer
Installer	
Cluster Type	
Configure the	Physical Node or a Virtual Server
- Cor	ifiguration Options
	Configure the Physical node
0	Configure a <u>V</u> irtual server
_	
	< Back Cancel
Installer	X
	rer Selection tual server you would like to configure
	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -
	Choose from the following list of disk groups configured on this cluster.
	configured on this cluster.
	Choose from the following list of disk groups configured on this cluster.
	configured on this cluster.
	configured on this cluster.
	configured on this cluster.
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Select Platfor Select the plat	contigued on this cluster. E003ClusterVMS < Back
Select Platfor Select the plat	contigued on this cluster. E003ClusterVMS Image: Control of the cluster.
Select Platfa Select the plat	contigued on this cluster. E003SULterVMS < Back
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Select Platfa Select the plat	contigued on this cluster. E003ClusterVMS Image: Second
Select Platfores Select the plat © Con # C	contigured on this cluster. E003ClusterVMS cgack vertex cgack

Installer

Install Agents for Restore Only

< Back

Special Registry Keys In Use

Cancel

13.	Enter the fully qualified domain name of the CommServe Host Name.

Click Next.

Do not use space and the following characters when specifying a new name for the CommServe Host Name:

\|`~!@#\$%^&*()+=<>/?,[]{}:;'"

14. Click Next.

If there is any other instance installed on the computer, make sure that the host name does not match the client name entered in the **Select a client name** field in the previous instance.

15. Select **Add programs to the Windows Firewall Exclusion List**, to add CommCell programs and services to the Windows Firewall Exclusion List.

Click Next.

This option enables CommCell operations across Windows firewall by adding CommCell programs and services to Windows firewall exclusion list.

It is recommended to select this option even if Windows firewall is disabled. This will allow the CommCell programs and services to function if the Windows firewall is enabled at a later time.

C CommServe is read		h a proxy			
Installer			Nex	b .	Cancel
nstaller					
CommServe Name Specify the CommServe name	computer name a	and host			
CommServe C CommServe H (Enter a valid, mycomputer.m		host name; for exa	ample:		
mycomputer.r	nycompany.com				
Installer		< Back	Nex	b	Cancel
Installer					
Communication Inte Setup will configure the		aths.			
	communicate wit audi.mycompany	ce name that this h the CommServe		Use to	
Installer		< Back	Nex	>	Cancel
nstaller Windows Firewall E Allow programs to comm Firewall					×
Windows Firewall is	ON				
Add programs to	the Windows Fi	rewall Exclusion L	ist		
If you plan on using exclusion list.	Windows Firewa	ill, it is recommend	led to add th	ne software	programs to the
Installer		< Back	Nex	b .	Cancel

If there is a firewall between this machine and the CommServe, configure firewall services below.

C This machine can open connection to CommServe on tunnel port

Installer Firewall Configuration Configure firewall services

Configure firewall services

16. Click Next.

17.

18.

19.

	morarien		
		all Latest Update Packs e latest service pack and post provider website.	
		I latest update pack(s) ternet connectivity at this time. T id speed.	his process may take so
Verify the default location for software installation.	Installer Installer	< Back	Next>
Click Browse to change the default location.	Destination Folder Select the destination fo	older to install the program files.	
Click Next.			
 Do not install the software to a mapped network drive. Do not use the following characters when specifying the destination path: 	Click Next to accept th Destination Folder C:\Program Files\	he default location, or click Brow	ise to choose an alterna
/ : * ? " < > #It is recommended that you use alphanumeric characters only.			
	Drive List C: 928 MB Installer		equired / Recommended
		< Back	Next>
Select a Client Group from the list.	Installer		
Click Next.	Client Group Select Select a client group for		
This screen will be displayed if Client Groups are configured in the CommCell Console.	which h	ent Group is a logical grouping of nave the same associations at va lle Policy, Activity Control, Securi	rious levels like
		1	
	No	lient group: one Selected	
	CI	ient_group	
	Installer		
		< Back	Next>
Click Next.	Installer		
	Schedule Install of Choose when you want downloaded updates.	Automatic Updates to schedule an install of the	
	I Schedule Install ↓	of Automatic Updates	
	C Once		
	Weekly	Monday	12 PM
		C Wednesday	 Thursday Saturday
		C Sunday	- area ay
	Installer	< Back	Next>

20. Select a Storage Policy. Click Next.

ne time

Cancel

location.

Cancel

Cancel

Cancel

X

in.

To install the software on the remaining nodes of the cluster, click $\ensuremath{\textbf{Yes}}$.

24.

		Installer
		Storage Policy Selection
		Select a storage policy for the default subclient to be backed up.
		Configure for Laptop or Desktop Backup
		Select a storage policy from the pull-down list.
		Unassigned
		Installer Cancel
	If you do not have Storage Policy created, this message will be displayed.	Installer Storage Policy Selection
	Click OK .	Select a storage policy for the default subclient to be backed up.
		Configure for Laptop or Desktop Backup
	You can create the Storage Policy later in step 31.	
		Installer < Back Next > Cancel
21.	Select Exchange Server Name and Exchange Server Version from drop-down list.	Installer Exchange Server Name
	Click Next.	Please provide Exchange server name
	This screen will appear when you are installing Exchange	
	Agents on Non-Exchange Server.	Exchange Server Exchange Server Name: Exchange Server Exchange Server Version Exchange 2007
		Installer < <u>Back</u> ancel
22.	Click Next.	Installer
		Summary
		Summary of install selections
		Setup has enough information to start copying the program files. If you are satisfied with the install settings, click Next to begin copying files.
		Destination Path = C:\Program Files\
		CommServe Host = mycomputer.mycompany.com Interface Name = audi.mycompany.com Client = audi
		Job Results Path = C:\Program Files\JobResults Global Filters = Lise Cell level policy
		Installer < Back Next > Cancel
23.	Enter the following Exchange Administrator information then click Next .	Installer
	• Account Name - Domain user account created with the exchange server administrator permissions. Do not include the domain name here.	Exchange Administrator Account Information Mailbox and Profile information
	• Account Password - The password assigned to the domain user.	
	• Mailbox Name for this Account - Mailbox associated with the user above.	Please enter the Exchange account information required below. A new profile will be created with the information supplied.
	• Profile Name - Specify profile name to be created during agent install. This profile is associated with the domain user's mailbox.	Account Name: Profile Name:
	• Exchange Server Name - Name of the Exchange Server that the agent will communicate with for data protection and recovery operations.	Account Password: Exchange Server Name:
	For Exchange Server 2010, enter the Client Access Role. After installation configure the roles as described in Configure Mailboxes in Database Availability Group (DAG) Servers.	Mailbox Name for this Account: Domain:
	• Domain - The installation detects and enters a domain name. If necessary, modify the domain name by specifying Windows domain that the Exchange Server resides	Installer Kack Next> Cancel

×

×

	To complete the install for this node only, click No .	Would you like to install the software on remaining nodes on the cluster?
		Yes No
25.	Select cluster nodes from the Preferred Nodes list and click the arrow button to move them to the Selected Nodes list.	Installer Cluster Node Selection Select cluster nodes to configure
	Once you complete your selections, click Next .	
	 The list of Preferred Nodes displays all the nodes found in the cluster; from this list you should only select cluster nodes configured to host this cluster group server. Do not select nodes that already have multiple instances installed. 	Preferred Nodes > Ymckater2 > < < < < < < < < < < <
26.	Specify User Name and Password for the Domain Administrator account Information to perform the remote install on the cluster nodes you selected in the previous step.	Installer Domain administrator account information Please provide domain administrator account
	Click Next .	Domain Account Information User Name (c00MAIN\USER>): [LAB \administrator Account Password:
27.	The progress of the remote install for the cluster nodes is displayed; the install can be interrupted if necessary.	Installer 🛛 🗙
	Click Stop to prevent installation to any nodes after the current ones complete.	You can stop remote install at any time. Installed clients will not be uninstalled. Clients in progress will continue installation, but their results will not show correctly.
	Click Advanced Settings to specify any of the following:	Client Name Client Status Start Time End Time Result Description
	Maximum number of nodes on which Setup can run simultaneously.	real2
	• Time allocated for Setup to begin executing on each node, after which the install attempt will fail.	
	• Time allocated for Setup to complete on each node, after which the install attempt will fail.	Installed successfully: 0 Left to instalt 1
	If, during the remote install of a cluster node, setup fails to complete or is interrupted, you must perform a local install on that node. When you do, the install begins from where it left off, or from the beginning if necessary. For procedures, see Manually Installing the Software on a Passive Node.	Failed to instalt: 0 In progress: 0 Max: 1 Elapsed time: 0 sec Estimated time left: 10 min 0 sec Installer
		Installer Number of simultaneous remote machines to run Setup: 10 $\frac{1}{2}$ machines Time to wait for Setup to start on each remote machine: 2 $\frac{1}{2}$ minutes Time to wait for Setup to complete on each remote machine: 15 $\frac{1}{2}$ minutes <u>OK</u>
28.	Read the summary for remote installation to verify that all selected nodes were installed successfully.	
	Click Next.	

29. Click Next.

30. Click Finish.

Schedule Reminder Job schedule creation reminder Please note: You still need to create a Job Schedule for each iD ataAgent that has been installed on this client computer. Job Schedules are required to allow the iD ataAgents to perform automated backup and restore operations. Job Schedule creation can be accomplished through the CommCell Console administration interface. Installer Installer Installer Completion Report Setup complete	Installer	Đ
The following software (Version) were selected to be installed: * CommCell REAL2: Install succeeded. Installer Entable Reminder Job schedule Reminder Job schedule creation reminder Please note: You still need to create a Job Schedule for each DataAgent that has been installed on this client computer. Job Schedules creation can be accompliated through the CommCel Console administration interface. Installer Installer Completion Report Software installation completed successfully. Ynit the website below to download latest Updates and Service Packs.		
CommCell REAL2: Install succeeded. Installer Schedule Reminder Job schedule creation reminder Please note: You still need to create a Job Schedule for each DataAgent that has been installed on this client computer. Job Schedule creation and be accomplished through the CommCell Console administration interface. Installer Installer Complete Software installation completed successfully. Yvis the website below to download latest Updates and Service Packs.	Summary of remote install	
Installer Schedule Reminder Job schedule creation reminder Please note: You still need to create a Job Schedule for each DataAgent that has been installed on this client computer. Job Schedules are required to allow the DataAgents to perform automated backup and restore operations. Job Schedule creation can be accomplished through the CommCell Console administration interface. Installer Installer Schup complete Software installation completed successfully. Yvis the website below to download latest Updates and Service Packs.	+ CommCell	*
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You still need to create a Job Schedule for each DataAgent that has been installed on this client computer. Job Schedules are required to allow the iDataAgents to perform automated backup and restore operations. Job Schedule creation can be accomplished through the CommCell Console administration interface. Installer Installer Completion Report Setup complete Software installation completed successfully. Visit the website below to download latest Updates and Service Packs.	Schedule Reminder	-
Job Schedules are required to allow the iDataAgents to perform automated backup and restore operations. Job Schedule creation can be accomplished through the CommCell Console administration interface. Installer Installer Completion Report Setup complete Software installation completed successfully. Visit the website below to download latest Updates and Service Packs.	You still need to create a Job Schedule for each iDataAgent that ha	as been installed on
administration interface. Installer Installer Completion Report Setup complete Software installation completed successfully. Visit the website below to download latest Updates and Service Packs.	Job Schedules are required to allow the iDataAgents to perform aut	omated backup
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Completion Report Setup complete Software installation completed successfully.	nstaller	5
Visit the website below to download latest Updates and Service Packs.		
Visit the website below to download latest Updates and Service Packs.	Software installation completed successfully.	A
	Visit the website below to download latest Updates and Service Packs.	
		<u>*</u>
Installer Technical Support Website		[]

S

If you already have a storage policy selected in step 20, Click Next > button available at the bottom of the page to proceed to the **Configuration** section.

If you do not have Storage Policy created, continue with the following step.

31. Create a Storage Policy:

- 1. From the CommCell Browser, navigate to **Policies**.
- 2. Right-click the Storage Policies and then click New Storage Policy.
- 3. Follow the prompts displayed in the Storage Policy Wizard. The required options are mentioned below:
 - Select the Storage Policy type as Data Protection and Archiving and click Next.
 - Enter the name in the Storage Policy Name box and click Next.
 - From the **Library** list, click the name of a disk library to which the primary copy should be associated and then click **Next**.

Ensure that you select a library attached to a MediaAgent operating in the current release.

- From the **MediaAgent** list, click the name of a MediaAgent that will be used to create the primary copy and then click **Next**.
- For the device streams and the retention criteria information, click Next to accept default values.
- $\circ~$ Select Yes to enable deduplication for the primary copy.
- From the **MediaAgent** list, click the name of the MediaAgent that will be used to store the Deduplication store.



Type the name of the folder in which the deduplication database must be located in the Deduplication Store Location or click the Browse button to select the folder and then click ${\bf Next}.$

 $\circ\;$ Review the details and click Finish to create the Storage Policy.

32.

- Enable the following registry key to create job specific profiles:
 - From the CommCell Browser, navigate to Client Computers.
 - Right-click the <Client> in which you want to add the registry key, and then click Properties.
 - Click the Registry Key Settings tab.
 - Click Add.
 - Enter CreateProcessSpecificProfile in the Name field.
 - Enter MSExchangeMBAgent in the Location field. (For Exchange Mailbox iDataAgent).

 $\ensuremath{\mathsf{Enter}}$ MSExchangeDMAgent in the Location field. (For Exchange Mailbox iDataAgent).

- Enter REG_DWORD in the Type filed.
- Enter 1 to enable and 0 to disable the key in the Value field.
- Click OK.

Previous Next >

Install the 32-bit Exchange Agents on a Non-Exchange Server

< Previous Next >

The following procedure describes the steps involved in installing the 32-bit Exchange Agents on 32-bit Non-Exchange Server computer.

WHERE TO INSTALL

The 32-bit Exchange Agents can be installed on a separate computer with connectivity to the Exchange Server. This method is referred to as an Non-Exchange Server installation and is useful if you want to offload the memory and processing resources required for backups and restores from the Exchange Server.

INSTALLATION

The software can be installed using one of the following methods:

METHOD 1: INTERACTIVE INSTALL

Use this procedure to directly install the software from the installation package or a **System Requirements** network drive.

METHOD 2: INSTALL SOFTWARE FROM COMMCELL CONSOLE

Use this procedure to remotely install the software on a client computer.

RELATED TOPICS

Download Software Packages Provides step-by-step procedure to download the latest packages for software install.

System Requirements Verify that the computer in which you wish to install the software satisfies the System Requirements.

Firewall

Provides comprehensive information on firewall.

PREREQUISITES

The below mentioned prerequisites are for Mailbox Agents only. Ensure that you have the following:

- Service account is a member of Exchange Organization Administrators group.
- The mail-enabled user is a member of the Local Administrator Group and have rights to all mailboxes on the server.
- Ensure that you assign full access to all mailboxes on the server. For details, see How do I Assign Full Access to All Mailboxes on a Server.

METHOD 1: INTERACTIVE INSTALL

- 1. Log on to the computer using an account with the following privileges:
 - Administrator of the local computer
 - Administrator of the Exchange Server
- 2. Run Setup.exe from Software Installation Package.
- 3. Select the required language.

Click Next.



- 4. Select the option to Install Calypso on this computer. NOTES:
 - Your screen may look different from the example shown.

5. Select I accept the terms in the license agreement. Click Next. 6. Select **Create a new instance** option to install the Exchange Agents on separate instance for the purpose of different Exchange Servers.

NOTES

- This screen will appear when the bAllowMultiInstances registry key has enabled on this computer.
- This screen will not appear if no other software components are installed on the computer.
- 7. To install the **Exchange** *i***DataAgents** expand **Client Modules | Exchange**, and select one or more of the following:
 - Exchange Mailbox iDataAgent
 - Exchange Public Folder iDataAgent

To install the **Exchange Archiver Agents**, expand **Client Modules | Archive Management**, and select one or more of the following:

- Exchange Compliance Archiver
- Exchange Mailbox Archiver Agent
- Exchange Public Folder Archiver Agent

Click Next.

8. If this computer and the CommServe is separated by a firewall, select the **Configure firewall services** option and then click **Next**.

For firewall options and configuration instructions, see Firewall Configuration and continue with the installation.

If firewall configuration is not required, click **Next**.

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License Agre	ement			1000	
	e following License Agre VN key to view the entir	ement. Press			
the PAGE DOV	N key to view the entir	e agreement.			
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	Softwa	re Release 9.0.0			
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I accept	the terms in the license a	agreement.			
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9. Enter the fully qualified domain name of the **CommServe Host Name**.

Click Next.

Do not use space and the following characters when specifying a new name for the CommServe Host Name:

\|`~!@#\$%^&*()+=<>/?,[]{}:;'"

		CommServe Host Name [Enter a vald, fully-qualified, IP host name; for example: mycomputer mycompany.com mycomputer mycompany.com Installer < Back Next > Cancel
10.	Click Next.	Installer
	If there is any other instance installed on the computer, make sure that the host name does not match the client name entered in the Select a client name field in the	Communication Interface Name Setup will configure the communication paths.
	previous instance.	Select a client name
		Select an interface name that this computer will use to communicate with the CommServe audi.mycompany.com
		IP Address(es) for the selected host.
		Installer < Back Cancel
11.	Select Add programs to the Windows Firewall Exclusion List, to add CommCell	Installer
	programs and services to the Windows Firewall Exclusion List.	Windows Firewall Exclusion List Allow programs to communicate through Windows
	Click Next.	Firewall
	This option enables CommCell operations across Windows firewall by adding CommCell programs and services to Windows firewall exclusion list.	Windows Firewall is DN
	It is recommended to select this option even if Windows firewall is disabled. This will allow the CommCell programs and services to function if the Windows firewall is enabled at a later time.	If you plan on using Windows Firewall, it is recommended to add the software programs to the exclusion list.
		Installer < Back Cancel
12.	Verify the default location for software installation.	Installer
	Click Browse to change the default location.	Destination Folder Select the destination folder to install the program files.
	Click Next.	
	 Do not install the software to a mapped network drive. Do not use the following characters when specifying the destination path: /:*?"<>> # 	Click Next to accept the default location, or click Browse to choose an alternate location. Destination Folder

It is recommended that you use alphanumeric characters only.

13. Select a Client Group from the list.

Click Next.

This screen will be displayed if Client Groups are configured in the CommCell Console.

Chouddadd i Bar.
Installer Cancel
aller 🛛 🗙
stination Folder Ject the destination folder to install the program files.
Click Next to accept the default location, or click Browse to choose an alternate location.
Destination Folder ExtProgram Files Browse
Drive List Space Required / Recommended C: 528 MB I 1394 MB / 1670 MB
Installer < Back Next > Cancel

X

CommServe Name Specify the CommServe computer name and host name

CommServe Client Name

14. Click Next.

Select a Storage Policy. 15. Click Next.

> If you do not have Storage Policy created, this message will be displayed. Click **OK**.

> > You can create the Storage Policy later in step 21.

16. Select Exchange Server Name and Exchange Server Version from drop-down list. Click Next.

Installer	
Client Group Selection	
Select a client group for the clie	nt.
The Client Grou which have the	ip is a logical grouping of client machines same associations at various levels like y, Activity Control, Security and Reports.
Schedule Polic	y, Activity Control, Security and Reports.
Client gro	up:
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client_gro	up
,	
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	< Back Next > Cancel
Installer	
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Choose when you want to sche downloaded updates.	
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Select a storage policy	from the pull-down list.
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1 Sec.	hange 2007 🔹 💌
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Installer

< Back Next > Cancel

- **18.** Enter the following Exchange Administrator information then click **Next**.
 - Account Name Domain user account created with the exchange server administrator permissions. Do not include the domain name here.
 - Account Password The password assigned to the domain user.
 - Mailbox Name for this Account Mailbox associated with the user above.
 - Profile Name Specify profile name to be created during agent install. This profile is associated with the domain user's mailbox.
 - **Exchange Server Name** Name of the Exchange Server that the agent will communicate with for data protection and recovery operations.

Enter the Mailbox Role Server name (NetBIOS). After installation configure the roles as described in Configure Mailboxes in Database Availability Group (DAG) Servers.

- Domain The installation detects and enters a domain name. If necessary, modify the domain name by specifying Windows domain that the Exchange Server resides in.
- 19. Click Next.

20. Click Finish.

Summary Summary of install selections Setup has enough information to start copying the program files. If you are satisfied with the install settings, click Next to begin copying files. Destination Path = C:\Program Files\ CommServe Host = mycomputer mycompary.com Interface Name = aud.mycompary.com Clerent = aud.mycompary.com Global Files = Use Cell level policy	ië
Setup has enough information to start copying the program files. If you are satisfied with th install settings, click Next to begin copying files. Destination Path = C:\Program Files\ CommServe Host = mycomputer mycompy.com Interface Name = audi.mycompary.com Client = audi.	e
install settings, click Next to begin copying files. Destination Path = C-VProgram Files\ CommServe Host = mycomputer mycompany.com Lifertace Ame = audi mycompany.com Client = audi Job Results Path = C-VProgram Files\JobResults	ie
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Installer	
< Back Next > Canc	el
installer	X
Exchange Administrator Account Information	
Mailbox and Profile information	
Please enter the Exchange account information required below. A new profile will be created	with
the information supplied.	mar
Account Name: Profile Name:	_
Account Password: Exchange Server Name:	_
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Installer	
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Job Schedules are required to allow the DataAgents to perform automated backup
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Installer
Installer
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Software installation completed successfully.
Visit the website below to download latest Updates and Service Packs.</td><td></td></tr><tr><td>You still need to create a Job Schedule for each DataAgent that has been installed on
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Job Schedules are required to allow the DataAgents to perform automated backup
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If you already have a storage policy selected in step 15, Click Next > button available at the bottom of the page to proceed to the **Configuration** section.

If you do not have Storage Policy created, continue with the following step.

21. Create a Storage Policy:

- 1. From the CommCell Browser, navigate to **Policies**.
- 2. Right-click the Storage Policies and then click New Storage Policy.
- 3. Follow the prompts displayed in the Storage Policy Wizard. The required options

are mentioned below:

- Select the Storage Policy type as Data Protection and Archiving and click Next.
- Enter the name in the Storage Policy Name box and click Next.
- From the Library list, click the name of a disk library to which the primary copy should be associated and then click Next.

Ensure that you select a library attached to a MediaAgent operating in the current release.

- From the MediaAgent list, click the name of a MediaAgent that will be used to create the primary copy and then click Next.
- $\circ\;$ For the device streams and the retention criteria information, click Next to accept default values.
- $\circ~$ Select Yes to enable deduplication for the primary copy.
- From the **MediaAgent** list, click the name of the MediaAgent that will be used to store the Deduplication store.

Type the name of the folder in which the deduplication database must be located in the Deduplication Store Location or click the Browse button to select the folder and then click **Next**.

- Review the details and click **Finish** to create the Storage Policy.
- 22. Enable the following registry key to create job specific profiles:
 - From the CommCell Browser, navigate to Client Computers.
 - Right-click the <Client> in which you want to add the registry key, and then click Properties.
 - Click the Registry Key Settings tab.
 - Click Add.
 - Enter CreateProcessSpecificProfile in the Name field.
 - Enter MSExchangeMBAgent in the Location field. (For Exchange Mailbox iDataAgent).

 $\ensuremath{\mathsf{Enter}}$ MSExchangeDMAgent in the Location field. (For Exchange Mailbox iDataAgent).

- Enter REG_DWORD in the Type filed.
- Enter 1 to enable and 0 to disable the key in the Value field.
- Click OK.

METHOD 2: INSTALL SOFTWARE FROM COMMCELL CONSOLE

 From the CommCell Browser, select Tools, point to Add/Remove Software, and then click Install Software.



2. Click Next.



3. Select Windows. Click Next.

4. Select Manually Select Computers. Click Next.

5. Enter the fully qualified domain name of the computer on which you have Exchange Server.

For example: win08ex07.idclab.loc

Click Next.

Install Wizard	
This wizard guides you through the steps required to install softw	are on computers.
Click Next to continue.	
< Back (Next >) Save As Script Finish	Cancel <u>H</u> elp
Installer	
Select the computer's operating system	
(Windows	
O Unix and Linux	
< Back Next > Save As Script Finish	Cancel Help
Installer	
Installer Select how to discover the computers for installing the se	
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6. Click Next.

 Specify User Name and Password that must be used to access the computer. Click Next.

- To install the Exchange iDataAgents expand Client Modules | Backup & Recovery | Exchange, and select one or more of the following:
 - Exchange Database iDataAgent
 - Exchange Mailbox iDataAgent
 - Exchange Public Folder iDataAgent

Click Next.

For Non-Exchange Server, Exchange Database $i\mbox{DataAgent}$ will not be applicable.

9.

- Select Client Group from Available and click Add.
 - Select a **Storage Policy** from the drop-down list. Click **Next**.

NOTES:

 Select the Configure for Laptop or Desktop Backup option to install Backup Monitor utility. This utility allows you to view the backup job summary from the client computer without opening the CommCell Console. See Monitor - Laptop User for more information.

Select Software Cache	
To use current Client or Client Group Software Cache settings, click Next. To override Software Cache settings check Override Software Cache and select the Software Cache to be used.	
Override Software Cache	
Software Cashe: murphy.domain.company.com	
<book next=""> Save As Script Finish Concel Help</book>)
Installer	×
Enter Account Information	
The specified account should have administrative access to the computer. If you are installing	
multiple clients, the user should have access to all clients.	
Reuse Active Directory credentials	
User Name:	
Example:domain(username	
Password:	
Confirm Password:	
<back next=""> Save As Script Finish Cancel Help</back>	
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×

10. Type the Agent Specific Settings information. Click **Next**.

11. Click Next.

12. Select Immediate. Click Next.

13. Click Finish.

Agent Specific Settings				
ExchangeServer 1	nformation (Optional)			
Server Name win08	o/21/7			
😑 Exchange Profile (
User Account IDCLAR Mailbox Name	\administrator		Co	nfigure Password
Profile Name				
Exchange Databa	e (Ontional)			
User Account IDCLA			Co	nfigure Password
O Differential Backup				
 Incremental Backu 				
		No. 1 Back		Const
		Berr 5 Barrow	ve As Script Finish	Canca
aller				
ter Additional Install Opt	ians			
😑 Installer Flags				
V Install Updates				
Reboot (if required)				
Kill Browser Processes (required)			
Stop Oracle Services (F	required)			
	ady part of the CommCell compo	onent		
Advanced Options				
Delete Packages After I	nstall			
Ignore Client/Host Nam	Conflict			
Install Result Log Location				
Install Agents For Resto	re Only			
Optional Settings				
 Job Result Direct Path 	ory			
CVD Port				84
Evingric Port				84
Install Directory				
Log File Location CommServe Host Name				
Controleve Hox Name				
	_			
	<gad< td=""><td>Next ></td><td>ve As Script Finish</td><td>Cancel</td></gad<>	Next >	ve As Script Finish	Cancel
istaller				
		1-4		
Piease Select Wi	en To Run The	Job		
Job Initiation				
() Immediat	>			
	-			
Run this jo	o now			
🔿 Schedule				
	ichedule Pattern			
			onfigure	

<Beck Next> Save As Script Finish Cancel Help

- **14.** You can track the progress of the job from the **Job Controller** or **Event Viewer** window.
- **15.** Once the job is complete, right-click the **CommServe** computer, click **View** and then click **Admin Job History**.

16. Select Install/Upgrade/Remove Software. Click OK.

- **17.** You can view the following details about the job by right-clicking the job:
 - Items that succeeded during the job
 - Items that failed during the job
 - Details of the job



ase verify all the selected options and click Finish to run the job immediately or click Save As Script to save the job options as a script.

Summary

Client Install Option

Client Authentication for Job User Name: IDCLAB/administrator Password: ****

Select Type Of Installation: Windows Select Type Of Client Discovery: Manually select computers Exclude discovery of computers with SRM agents already installed: Yes Reuse Active Directory credentials: No





- Events of the job
- Log files of the job

Job Type	Job ID	Status	Start Time	End Time	User N	Error C	Storag	Auton	Legal	Legal	
Install Software	20	S Complete	View Job Details	11.	, admin			NIA.	N/A	N/A	
			Resubmit Job								
			View Events								
			View Content In	dex 🔸							
			View Logs								
			Send Logs								

18.

Enable the following registry key to create job specific profiles:

- From the CommCell Browser, navigate to Client Computers.
- Right-click the <Client> in which you want to add the registry key, and then click Properties.
- Click the Registry Key Settings tab.
- Click Add.
- Enter CreateProcessSpecificProfile in the Name field.
- Enter MSExchangeMBAgent in the Location field. (For Exchange Mailbox iDataAgent).

Enter MSExchangeDMAgent in the Location field. (For Exchange Mailbox iDataAgent).

- Enter REG_DWORD in the Type filed.
- Enter 1 to enable and 0 to disable the key in the Value field.
- Click OK.


Install the Exchange Agents on Exchange Server 2003

< Previous Next >

Follow the steps given below to install the Exchange Agents on Exchange Server 2003.

WHERE TO INSTALL

Install the software directly on the Exchange Server you wish to protect

INSTALLATION

The software can be installed using one of the following methods:

METHOD 1: INTERACTIVE INSTALL

Use this procedure to directly install the software from the installation package or a **System Requirements** network drive.

METHOD 2: INSTALL SOFTWARE FROM COMMCELL CONSOLE

Use this procedure to remotely install the software on a client computer.

RELATED TOPICS

Download Software Packages

Provides step-by-step procedure to download the latest packages for software install.

System Requirements Verify that the computer in which you wish to install the software satisfies the System Requirements.

Firewall

Provides comprehensive information on firewall.

PREREQUISITES

The below mentioned prerequisites are for Mailbox Agents only. Ensure that you have the following:

- The mail-enabled user is a member of the Local Administrator Group and have rights to all mailboxes on the server.
- Using the Exchange System Manager snap-in, right-click the organization object and delegate control.
- Using the Wizard, assign the MailboxAdmin user Exchange Full Administrator privileges.
- Ensure that you assign full access to all mailboxes on the server. For details, see How do I Assign Full Access to All Mailboxes on a Server.

METHOD 1: INTERACTIVE INSTALL

- 1. Log on to the computer using an account with the following privileges:
 - Administrator of the local computer
 - Administrator of the Exchange Server
- 2. Run Setup.exe from the Software Installation Package.
- 3. Select the required language.

Click Next.

Select the language you will use during installation.	
<u>N</u> ext >	Cancel
Install Software on this computer Advanced options	

4. Select the option to install software on this computer.

The options that appear on this screen depend on the computer in which the software is being installed.

5. Select I accept the terms in the license agreement.

Click Next.

- To install the Exchange iDataAgents expand Client Modules | Backup & Recovery 6. | Exchange, and select one or more of the following:
 - Exchange Database iDataAgent
 - Exchange Mailbox iDataAgent
 - Exchange Public Folder iDataAgent

To install the Exchange Archiver Agents, expand Client Modules | Archive Management, and select one or more of the following:

- Exchange Compliance Archiver
- Exchange Mailbox Archiver Agent
- Exchange Public Folder Archiver Agent

Click Next.

7. If this computer and the CommServe is separated by a firewall, select the **Configure** firewall services option and then click Next.

For firewall options and configuration instructions, see Firewall Configuration and continue with the installation.

If firewall configuration is not required, click **Next**.

8.	Enter the fully qualified domain name of the $\ensuremath{\textbf{CommServe Host Name}}.$
	Click Next.

Do not use space and the following characters when specifying a new name for the CommServe Host Name:

\|`~!@#\$%^&*()+=<>/?,[]{}:;'"

conne Commi	specify how Windows Firewall is limiting network traffic. Whether it is possible to open bion from here to a CommServe's tunnel port, whether all connections toward ever are blocked, and setup should instead expect CommServe to connect back to this le, or whether there is a Proxy in between.
🖲 This	machine can open connection to CommServe on tunnel port
C Com	mServe can open connection toward this machine
C Com	mServe is reachable only through a proxy
I	nstaller Cancel
staller	
Specify t	erve Name he CommGerve computer name and host
Specify t	
Specify t	e CommServe computer name and host
	he CommServe computer name and host CommServe Client Name CommServe Host Name CommServe Host Name (First a valid, full-qualified, IP host name, for example:

< Back

Next>

License Agreement

Installer

nstaller

- 6

Select Platforms

Please read the following License Agreement. Press the PAGE DOWN key to view the entire agreement.

 I accept the terms in the license agreement. C I do not accept the terms in the license agreement

Select the platforms you want to configure

 □
 □
 Common Technology Engine

 ±
 □
 CommCell Conside

 ±
 □
 CommCell Conside

 ±
 □
 Control Adgert Modules

 □
 □
 Clenk Modules

 □
 □
 Control Indexing and Search

 □
 □
 Content Indexing and Search

Installer Install Agents for Restore Only

Firewall Configuration Configure firewall services

Configure firewall services

nstaller

End User License and Limited Warranty Agreement Software Release 9.0.0 (including Microsoft® SQL Server™ 2008 Enterprise Edition, SQL Server™ 2008 Express Edition and Windows Pre-Installation Environment) Fud Hoav I lanuas Age

> < Back

< Back

If there is a firewall between this machine and the CommServe, configure firewall services below.

Next >

Move the pointer over a platform name to see a description of the platform reasons why it may be disabled.

Disk Space (Reg/Recommended)

Installation Folder:

0 MB/ 0 MB

0 MB/ 0 MB

Special Registry Keys In Us

Cancel

Cancel

X

Temporary on C: drive:

^

Cancel

9. Click Next.

		Installer
		Communication Interface Name Setup will configure the communication paths.
		Select a client name
		Select an interface name that this computer will use to communicate with the CommServe
		audi.mycompany.com
		Installer
		< Back Next > Cancel
10.	Select Add programs to the Windows Firewall Exclusion List , to add CommCell programs and services to the Windows Firewall Exclusion List.	Installer Windows Firewall Exclusion List
	Click Next.	Allow programs to communicate through Windows Firewall
	This option enables CommCell operations across Windows firewall by adding CommCell programs and services to Windows firewall exclusion list.	Windows Firewall is DN Ø Add programs to the Windows Firewall Exclusion List
	It is recommended to select this option even if Windows firewall is disabled. This will allow the CommCell programs and services to function if the Windows firewall is enabled at a later time.	If you plan on using Windows Firewall, it is recommended to add the software programs to the exclusion list.
		Installer < Back Next > Cancel
11.	Verify the default location for software installation.	Installer
	Click Browse to change the default location.	Destination Folder
	Click Next .	Select the destination folder to install the program files.
	 Do not install the software to a mapped network drive. Do not use the following characters when specifying the destination path: 	Click Next to accept the default location, or click Browse to choose an alternate location.
	/:*?"<> #	C\\Program Files\ Browse Browse Browse
	It is recommended that you use alphanumeric characters only.	Drive List C. 328 MB Space Required / Recommended 1334 MB / 1670 MB
		Installer Kest> Cancel
12.	Select a Client Group from the list.	Installer
	Click Next.	Client Group Selection
		Select a client group for the client.
	This screen will be displayed if Client Groups are configured in the CommCell Console.	The Client Group is a logical grouping of client machines which have the same associations at various levels like Schedule Policy, Activity Control, Security and Reports.
		Client group: None Selected client_group
		Installer < Back Next > Cancel
13.	Click Next .	

X

14.	Select a Storage Policy.
	Click Next.

If you do not have	Storage Policy	created,	this message	will be	displayed
Click OK .					

You can create the Storage Policy later in step 25.

Schedule Install of Automatic Updates Choose when you want to schedule an install of the downloaded updates. Schedule Install of Automatic Updates C Once 08:31:12 PM Time: ÷ Weekly Monday C Tuesday C Wednesday C Thursday C Friday C Saturday 🔿 Sunday Installer < Back Next> Cancel Storage Policy Selection Select a storage policy for the default subclient to be backed up. Configure for Laptop or Desktop Backup Select a storage policy from the pull-down list. • Installer < Back Next> Cancel Select a storage policy for the default subclient to be backed up. Confi are for Laptop or Desktop Backup Next > Cancel

staller

- If you are installing the Exchange Database iDataAgent, click Configure Exchange Database Specific Information.
- If you are installing the Exchange Agents, skip to Configure Exchange Agents Specific Information.

CONFIGURE EXCHANGE DATABASE SPECIFIC INFORMATION

- 15. Select the backup type for Exchange Database backups. Choose either of the following options, then click **Next**.
 - **Differential** Specifies that each non-full Exchange Database backup secures all data that has changed since the last full backup. Transaction lobs are not purged.
 - **Incremental** Specifies that each non-full Exchange Database backup secures only that data that has changed since the last backup of any type. Committed transaction logs are purged.



16. Enter the user credentials to access the Exchange Server to perform the backup operation.

- The User Account must have Exchange Administrator privileges.
- The installation detects the domain name. If necessary, you can modify the domain name by specifying Windows domain that the Exchange Server resides in.

17. Click Next.

- Summary of install selections Setup has enough information to start copying the program files. If you are satisfied with the install settings, click Next to begin copying files. Destination Path = C\Program Files\ CommServe Host = mycomputer.mycompany.com Interface Name = audi.mycompany.com Client = audi Job Results Path = C\Program Files\JobResults Global Filters = Use Cell level policy Installer
- 18. The install program displays a reminder to verify that Circular Logging is disabled before performing any database backup operations. To verify that Circular Logging is disabled:
 - From Exchange System Manager, navigate to and expand the server that the Database iDataAgent is being installed on.
 - Verify that the Circular Logging check box has not been selected for each Storage Group. If Circular Logging has been enabled for a Storage Group, disable it at this time.

Click OK.

- If you are installing the Exchange Agents, then click Configure Exchange Agents Specific Information.
- If you are installing the Exchange Database iDataAgent, skip to Verify Summary of Install Options.

CONFIGURE EXCHANGE AGENTS SPECIFIC INFORMATION

19. Select Exchange Server Name and Exchange Server Version from drop-down list.

Click Next.

This screen will appear when you are installing Exchange Agents on Non-Exchange Server.

Installer				×
Exchange Server Name Please provide Exchange ser				
E E	ge Server kchange Server Name: kchange_Server kchange Server Version kchange 2007	×		
installer	< <u>B</u> ack	<u>N</u> ext >	<u>C</u> ancel	

Enter Administrator account information Enter Administrator account informatio

Account Name

EXCH

Installe Summary

J)

Cancel

^

*

Cancel

Next>

< Back

Please verify that Circular Logging is disabled before performing any database backup operations.

0K

20. Click Next.

S	
Summary Summary of install selections	
Setup has enough information to start o	copying the program files. If you are satisfied with the
install settings, click Next to begin copy	
	<u>^</u>
Destination Path = C:\Program Files\	
CommServe Host = mycomputer.mycor Interface Name = audi.mycompany.co	
Client = audi Job Results Path = C:\Program Files\Vi	
Global Filters = Use Cell level policy	
<	
Installer	
	< Back Next > Cancel
	X
Exchange Administrator Account	X
Exchange Administrator Account	X
Exchange Administrator Account	×
Exchange Administrator Account nformation Mailbox and Profile information	Nation required below. A new profile will be created with
Exchange Administrator Account nformation Malibox and Profile information Please enter the Exchange account inform the information supplied.	ation required below. A new profile will be created with
Exchange Administrator Account nformation Mailbox and Profile information Please enter the Exchange account inform	
Exchange Administrator Account nformation Malibox and Profile information Please enter the Exchange account inform the information supplied. Account Name:	ation required below. A new profile will be created with Profile Name:
Exchange Administrator Account nformation Malibox and Profile information Please enter the Exchange account inform the information supplied.	ation required below. A new profile will be created with
Exchange Administrator Account nformation Malibox and Profile information Please enter the Exchange account inform the information supplied. Account Name:	ation required below. A new profile will be created with Profile Name:
Exchange Administrator Account nformation Malibox and Profile information Please enter the Exchange account inform the information supplied. Account Name:	ation required below. A new profile will be created with Profile Name:
Exchange Administrator Account nformation Malibox and Profile information Please enter the Exchange account inform the information supplied. Account Name: Account Password:	ation required below. A new profile will be created with Profile Name: Exchange Server Name:
Exchange Administrator Account Information Malbox and Profile information Please enter the Exchange account inform the information supplied. Account Name: Account Password:	ation required below. A new profile will be created with Profile Name: Exchange Server Name:
Please enter the Exchange account inform the information supplied. Account Name: Account Password:	ation required below. A new profile will be created with Profile Name: Exchange Server Name:
Account Password: Account Password: Mailbox Name for this Account:	ation required below. A new profile will be created with Profile Name: Exchange Server Name:

- 21. Enter the following Exchange Administrator information then click Next.
 - Account Name Domain user account created with the exchange server administrator permissions. Do not include the domain name here.
 - Account Password The password assigned to the domain user.
 - Mailbox Name for this Account Mailbox associated with the user above.
 - **Profile Name** Specify profile name to be created during agent install. This profile is associated with the domain user's mailbox.
 - Exchange Server Name Name of the Exchange Server that the agent will communicate with for data protection and recovery operations.
 - **Domain** The installation detects and enters a domain name. If necessary, modify the domain name by specifying Windows domain that the Exchange Server resides in.

VERIFY SUMMARY OF INSTALL OPTIONS

22. Click Next.

23. Click Next.

Installer	×
Summary Summary of install selections	
Setup has enough information to start copying the program files. If you are satisfied with the install settings, click Next to begin copying files.	
Destination Path = C:\Program Files\ CommServe Host = mycomputer.mycompany.com Interface Name = audi.mycompany.com Client = audi. Job Results Path = C:\Program Files\JobResults Global Filters = Use Cell level policy	
Installer	
< Back Next > Cancel	
Installer	
Schedule Reminder Job schedule creation reminder	
Please note:	
You still need to create a Job Schedule for each iDataAgent that has been installed on this client computer.	
Job Schedules are required to allow the iDataAgents to perform automated backup and restore operations.	
Job Schedule creation can be accomplished through the CommCell Console administration interface.	
Installer	-

24. Click Finish.

Softwar	e installation completed successfully.	
Visit the	e website below to download latest Updates and Service Pa	cks.

If you already have a storage policy selected in step 14, Click Next > button available at the bottom of the page to proceed to the **Configuration** section.

If you do not have Storage Policy created, continue with the following step.

- 25. Create a Storage Policy:
 - 1. From the CommCell Browser, navigate to Policies.
 - 2. Right-click the Storage Policies and then click New Storage Policy.
 - 3. Follow the prompts displayed in the Storage Policy Wizard. The required options are mentioned below:
 - Select the Storage Policy type as Data Protection and Archiving and click Next.
 - $\circ~$ Enter the name in the Storage Policy Name box and click Next.
 - From the **Library** list, click the name of a disk library to which the primary copy should be associated and then click **Next**.

Ensure that you select a library attached to a MediaAgent operating in the current release.

- From the MediaAgent list, click the name of a MediaAgent that will be used to create the primary copy and then click Next.
- For the device streams and the retention criteria information, click Next to accept default values.
- $\circ~$ Select Yes to enable deduplication for the primary copy.
- From the **MediaAgent** list, click the name of the MediaAgent that will be used to store the Deduplication store.

Type the name of the folder in which the deduplication database must be located in the Deduplication Store Location or click the Browse button to select the folder and then click **Next**.

Review the details and click **Finish** to create the Storage Policy.

26. Enable the following registry key to create job specific profiles:

- From the CommCell Browser, navigate to Client Computers.
- Right-click the <Client> in which you want to add the registry key, and then click Properties.
- Click the Registry Key Settings tab.
- Click Add.
- Enter CreateProcessSpecificProfile in the Name field.
- Enter MSExchangeMBAgent in the Location field. (For Exchange Mailbox iDataAgent).

Enter MSExchangeDMAgent in the Location field. (For Exchange Mailbox iDataAgent).

- Enter REG_DWORD in the Type filed.
- Enter 1 to enable and 0 to disable the key in the Value field.
- Click OK.

METHOD 2: INSTALL SOFTWARE FROM COMMCELL CONSOLE

1. From the CommCell Browser, select **Tools**, point to **Add/Remove Software**, and then click **Install Software**.



2. Click Next.

3. Select Windows. Click Next.

4. Select Manually Select Computers. Click Next.

File View Tools	
Browse & Recover	
GommCel Job Controller	🐞 murphy × 💽 Job Controller × 🖉 🖉
Comm	murphy > P C C
Commit Scheduler	a de Q 🗘
E Security Gontrol Panel	ommNet Client Client Security Computer Computers Groups
🖶 💱 Storage 🖀 - Service Control Manager	Groups
Report 7	
Conten Add/Remove Software	Tinstall Updates priterit
	Remove Updates 3
	Install Software
	Upgrade Software
	Download Software Copy Software
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5. Enter the fully qualified domain name of the computer on which you have Exchange Server.

For example: win08ex07.idclab.loc Click Next.

6. Click Next.

 Specify User Name and Password that must be used to access the computer. Click Next.

- 8. To install the Exchange iDataAgents expand Client Modules | Backup & Recovery | Exchange, and select one or more of the following:
 - Exchange Database iDataAgent
 - Exchange Mailbox iDataAgent
 - Exchange Public Folder iDataAgent

Click Next.

Enter the host names of the computers Please enter the host names of the computers, one per lin Inport from File Import From Active Directory Select from existing clients <Back Next > III-Cancel Help Select Software Cache To use current Client or Client Group Software Cache settings, dick I Override Software Cache and select the Software Cache to be used ide Software Carbs settions rbed Override Software Cache <Back Next > Save As Script Finish Cancel Help Installe Enter Account Information The specified account should have administrative access to the computer. If you are installing multiple clients, the user should have access to all clients. User Name: Example:domain\username Password: Confirm Password: < Back Next > Save As Script Finish Cancel Help Select Package(s) to install r iDeba

<Back Next > Save As Scri

- 9.
- Select Client Group from Available and click Add.
- Select a **Storage Policy** from the drop-down list. Click **Next**.

NOTES:

• Select the **Configure for Laptop or Desktop Backup** option to install **Backup Monitor** utility. This utility allows you to view the backup job summary from the client computer without opening the CommCell Console. See Monitor - Laptop User for more information. Cancel Help

10. Type the Agent Specific Settings information. Click **Next**.

11. Click Next.

12. Select Immediate. Click Next.

Installer 🛛 🗙
Enter Recommended Settings for the selected Software
Client Groups Available: Selected:
Laptop Add > Laptop Backup
< Remove
Add Al >>
< <remove all<="" td=""></remove>
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Configure For Laptop Backups
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Exchange Profile (Optional)
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Profile Name
Exchange Database (Optional)
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KBay Barrs Banke subr Lucki Cana (240
Installer
Enter Additional Install Options
😑 Installer Flags
V Install Updates
Reboot (If required)
Kill Browser Processes (if required)
Ignore Running Jobs
Stop Oracle Services (if required)
Skip clients that are already part of the CommCell component
Advanced Options
Delete Packages After Install Jonore Clerk/Host Name Conflict
Instal Result Log Location
Install Agents For Restore Only
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- **14.** You can track the progress of the job from the **Job Controller** or **Event Viewer** window.
- 15. Once the job is complete, right-click the **CommServe** computer, click **View** and then click **Admin Job History**.

16. Select Install/Upgrade/Remove Software. Click OK.

- 17. You can view the following details about the job by right-clicking the job:
 - Items that succeeded during the job
 - Items that failed during the job
 - Details of the job

Summary Rease werk the and logicities and did firsh to run the pio immediately or did. See AG Script to see the job options as a script. There infinited Option Select Type of Charal Biolowerk, Headwall Select computers: Exclude discovery of computers with SRM agents already installed: Yrs: Reuse Active Directed contentials: No Cardinal Diplome: Yes: Reuse Active Directed contentials: No Disport Cardinal Diplome: Yes: Reuse Active Directed contentials: No Disport Cardinal Diplome: Yes: Reuse Active Directed contential: No Disport Cardinal No Cardinal Disport: No Cardinal Disport: No Cardinal Disport Cardinal No Disport Cardinal No Cardinal Disport Cardinal No Disport Cardinal No Cardinal Disport Cardinal No Disport Cardinal No Cardinal Disport Cardinal Disport Disport Cardinal Disport Disp



Job Type						
O All	O Data Aging	C Export Media				
 Auxiliary Copy 	 Inventory 	O Disaster Recovery Backup				
 Data Verification 	Offline Content Indexing	 Erase Media 				
C Erase Backup/Archived Data	O Drive Validation	O Drive Cleaning				
🔘 Stamp Media	O Install/Remove Updates	O Download/Copy Software				
(Install/Upgrade/Remove Software	Disk Library Maintenance	SRM Reports/Actions				
O Information Management	O CommCell Export	O CommCell Import				
Media Refreshing	O Recover Store					
Start Time Mon 08/30/2010	tern Time (US & Canada)	1/2010 V 12 : 07 PM				
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Job Status O All Completed Tumber of Jobs O Hamber of Jobs O Earled Number of Jobs Desired Number of Jobs 10						

- Events of the job
- Log files of the job

Job Type	Job ID	Status	Start Time	End Time	User N	Error C	Storag	Auton	Legal	Legal	
Install Software	20	S Complete	View Job Details	11.	, admin			NIA.	N/A	N/A	
			Resubmit Job								
			View Events								
			View Content In	dex 🔸							
			View Logs								
			Send Logs								

18.

Enable the following registry key to create job specific profiles:

- From the CommCell Browser, navigate to Client Computers.
- Right-click the <Client> in which you want to add the registry key, and then click Properties.
- Click the Registry Key Settings tab.
- Click Add.
- Enter CreateProcessSpecificProfile in the Name field.
- Enter MSExchangeMBAgent in the Location field. (For Exchange Mailbox iDataAgent).

Enter MSExchangeDMAgent in the Location field. (For Exchange Mailbox iDataAgent).

- Enter REG_DWORD in the Type filed.
- Enter 1 to enable and 0 to disable the key in the Value field.
- Click OK.



Install the Exchange Agents for Exchange Server 2003 on a Non-Exchange Server

< Previous Next >

Follow the steps given below to install the Exchange Agents on Non-Exchange Server 2003.

WHERE TO INSTALL

The 32-bit Exchange Agents can be installed on a separate computer with connectivity to the Exchange Server. This method is referred to as an Non-Exchange Server installation and is useful if you want to offload the memory and processing resources required for backups and restores from the Exchange Server.

INSTALLATION

The software can be installed using one of the following methods:

METHOD 1: INTERACTIVE INSTALL

Use this procedure to directly install the software from the installation package or a network drive.

METHOD 2: INSTALL SOFTWARE FROM COMMCELL CONSOLE

Use this procedure to remotely install the software on a client computer.

PREREQUISITES

The below mentioned prerequisites are for Mailbox Agents only. Ensure that you have the following:

- The mail-enabled user is a member of the Local Administrator Group and have rights to all mailboxes on the server.
- Using the Exchange System Manager snap-in, right-click the organization object and delegate control.
- Using the Wizard, assign the MailboxAdmin user Exchange Full Administrator privileges.
- Ensure that you assign full access to all mailboxes on the server. For details, see How do I Assign Full Access to All Mailboxes on a Server.

METHOD 1: INTERACTIVE INSTALL

- 1. Log on to the computer using an account with the following privileges:
 - Administrator of the local computer
 - Administrator of the Exchange Server
- 2. Create the bAllowMultiInstances registry key.

NOTES:

3.

• If any 64-bit agent software is already installed on the Proxy Server, create bAllowMultiInstances registry key to install the Exchange *i*DataAgents on separate instance.

To create the registry key, see the following steps:

RELATED TOPICS

System Requirements

Firewall

Download Software Packages

Provides step-by-step procedure to download the latest packages for software install.

Verify that the computer in which you wish to install the software satisfies the System Requirements.

Provides comprehensive information on firewall.

- 1. Start the Registry Editor (Regedit.exe or Redegt32.exe)
- Locate the directory under which you want to create a key, e.g., HKEY_LOCAL_MACHINE\SOFTWARE\.
- 3. Right click the SOFTWARE and click New -> Key.
- 4. Name the key as GalaxyInstallerFlags.
- 5. Right click the GalaxyInstallerFlags and select New -> DWORD value, name it as bAllowMultiInstances and by double clicking the bAllowMultiInstances key modify the Value data to 1.

To create the registry key, see the following steps:

- 1. Start the Registry Editor (Regedit.exe or Regedit32.exe)
- Locate the directory under which you want to create a key, e.g., HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node.
- 3. Right click the SOFTWARE and click New -> Key.
- 4. Name the key as GalaxyInstallerFlags.
- 5. Right click the GalaxyInstallerFlags and select New > DWORD value, name it as bAllow32BitInstallOn64Bit and by double clicking the bAllow32BitInstallOn64Bit key modify the Value data to 1.

4. Run Setup.exe from the Software Installation Package.

Create the bAllow32BitInstallOn64Bit registry key.

5. Select the required language.

Getting Started - Exchange Mailbox iDataAgent

	Click Next.	
		Select the language you will use during installation.
		Next > Cancel
6.	Select the Calypso 32-bit Software install options to install software.	
	 This screen will only appear when the bAllow32BitInstallOn64Bit registry key has been created and enabled on this computer. 	
		<i>≡</i> 32-bit Software install options
		€ Exit
7.	Select I accept the terms in the license agreement.	Installer
	Click Next.	License Agreement Please read the following License Agreement. Press the PAGE DOWN key to view the entire agreement.
		Installer < Back Next > Cancel
8.	If any agent software is already installed on the Proxy Server, select Create a new instance option to install the Exchange <i>i</i> DataAgents on separate instance. NOTES	Installer Install Instance Selection Please specify the instance you want to use during install.
	 This screen will appear when the bAllowMultiInstances registry key has enabled on this computer. 	Instance Selection C Treate a new instance (Not recommended) Install to existing instance Select an installed instance. Client Name Client Host Name CommServe Name
		Installer < Back Next > Cancel
9.	To install the Exchange iDataAgents expand Client Modules Exchange, and	

- select one or more of the following:
 - Exchange Mailbox iDataAgent
 - Exchange Public Folder iDataAgent

To install the Exchange Archiver Agents, expand Client Modules | Archive Management, and select one or more of the following:

- Exchange Compliance Archiver
- Exchange Mailbox Archiver Agent
- Exchange Public Folder Archiver Agent

Click Next.

	Installer Select Platforms Select the platforms you want to configure.
	□ □ Move the pointer over a platorm name to see a description of the platform and reasons why it may be description of the platform and reasons why it may be description of the platform and reasons why it may be description of the platform and reasons why it may be description of the platform and reasons why it may be description of the platform and reasons why it may be description of the platform and reasons why it may be description of the platform and reasons why it may be description. □
If this computer and the CommServe is separated by a firewall, select the Configure firewall services option and then click Next .	Installer 🔀
For firewall options and configuration instructions, see Firewall Configuration and continue with the installation.	Configure firewall services
If firewall configuration is not required, click Next .	If there is a firewall between this machine and the CommServe, configure firewall services below.
	Please specify how Windows Freewall is limiting network traffic. Whether it is possible to open connection from here to a CommServe's unnel pot, whether all connections to word a CommServe to connect back to this machine, or whether there is a Proxy in between. C This machine can open connection to CommServe on turnel pot C CommServe an open connection toward this machine. C CommServe is reachable only through a proxy. Instaler Next> Cancel
Enter the fully qualified domain name of the CommServe Host Name .	Installer 🔀
Click Next.	CommServe Name Specify the CommServe computer name and host
Do not use space and the following characters when specifying a new name for the CommServe Host Name: \ `~!@#\$%^&*()+=<>/?,[]{}:;'"	name CommServe Client Name CommServe Host Name (Enter a valid, fully-qualified, IP host name; for example: mycomputer.mycompany.com mycomputer.mycompany.com
	Installer <back next=""> Cancel</back>
Click Next.	Installer Communication Interface Name Setup will configure the communication paths.
	Select a client name
	Installer < Back Next> Cancel
Select Add programs to the Windows Firewall Exclusion List , to add CommCell programs and services to the Windows Firewall Exclusion List.	

For firewall options and configuration instructions, see Firewall continue with the installation. If firewall configuration is not required, click Next.

11. Enter the fully qualified domain name of the CommServe Host Click Next.

12. Click Next.

10.

Select Add programs to the Windows Firewall Exclusion Li 13. programs and services to the Windows Firewall Exclusion List.

Click Next.

This option enables CommCell operations across Windows firewall by adding CommCell programs and services to Windows firewall exclusion list.

It is recommended to select this option even if Windows firewall is disabled. This will allow the CommCell programs and services to function if the Windows firewall is enabled at a later time.

14.

15.

16.

	Installer
	Windows Firewall Exclusion List Allow programs to communicate through Windows
	Firewall T
	Windows Firewall is ON
	Add programs to the Windows Firewall Exclusion List
	If you plan on using Windows Firewall, it is recommended to add the software programs to the exclusion list.
	Installer
	< Back Next > Cancel
Verify the default location for software installation.	Installer
Click Browse to change the default location.	Destination Folder Select the destination folder to install the program files.
Click Next.	Sereck the destination tollier to install the program hies.
• Do not install the software to a mapped network drive.	Cital Martin according data in the size of a full December to the second december of
 Do not use the following characters when specifying the destination 	Click Next to accept the default location, or click Browse to choose an alternate location.
path:	C:\Program Files\ Browse
/:*?"<> #	
It is recommended that you use alphanumeric characters only.	Drive List Space Required / Recommended C: 928 MB 1394 MB / 1670 MB
	Installer < Back Cancel
Select a Client Group from the list.	Installer
Select a Client Group from the list. Click Next .	Installer Client Group Selection
Click Next.	
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17. Select a Storage Policy.

Click Next.

NOTES

• A storage policy directs backup data to a media library. Each library has a default storage policy.

X

If you do not have Storage Policy created, this message will be displayed. Click ${\bf OK}.$

You can create the Storage Policy later in step 23.

18. Select Exchange Server Name and Exchange Server Version from drop-down list. Click Next.

19. Click Next.

- 20. Enter the following Exchange Administrator information then click Next.
 - Account Name Domain user account created with the exchange server administrator permissions. Do not include the domain name here.
 - Account Password The password assigned to the domain user.
 - Mailbox Name for this Account Mailbox associated with the user above.
 - **Profile Name** Specify profile name to be created during agent install. This profile is associated with the domain user's mailbox.
 - Exchange Server Name Name of the Exchange Server that the agent will communicate with for data protection and recovery operations.

For Exchange Server 2010, enter the Client Access Role. After installation configure the roles as described in Configure Mailboxes in Database Availability Group (DAG) Servers.

- Domain The installation detects and enters a domain name. If necessary, modify the domain name by specifying Windows domain that the Exchange Server resides in.
- 21. Click Next.

Installer Storage Policy	Selection				
Select a storage po backed up.	blicy for the default subclie	ent to be			
ucina iyo.					
Configure for Laptop or Desktop Backup					
Select a sto	rage policy from the pull-d	own list.			
	Unassigned				
Installer		< Back	Next>	Cancel	
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22. Click Finish.



If you already have a storage policy selected in step 17, Click Next > button available at the bottom of the page to proceed to the **Configuration** section.

If you do not have Storage Policy created, continue with the following step.

- 23. Create a Storage Policy:
 - 1. From the CommCell Browser, navigate to Policies.
 - 2. Right-click the **Storage Policies** and then click **New Storage Policy**.
 - 3. Follow the prompts displayed in the Storage Policy Wizard. The required options are mentioned below:
 - Select the Storage Policy type as Data Protection and Archiving and click Next.
 - $\circ~$ Enter the name in the Storage Policy Name box and click Next.
 - From the **Library** list, click the name of a disk library to which the primary copy should be associated and then click **Next**.

Ensure that you select a library attached to a MediaAgent operating in the current release.

- From the **MediaAgent** list, click the name of a MediaAgent that will be used to create the primary copy and then click **Next**.
- $\circ\;$ For the device streams and the retention criteria information, click Next to accept default values.
- $\circ~$ Select Yes to enable deduplication for the primary copy.
- From the **MediaAgent** list, click the name of the MediaAgent that will be used to store the Deduplication store.

Type the name of the folder in which the deduplication database must be located in the Deduplication Store Location or click the Browse button to select the folder and then click **Next**.

- Review the details and click **Finish** to create the Storage Policy.
- 24.
- Enable the following registry key to create job specific profiles:
- From the CommCell Browser, navigate to Client Computers.
- Right-click the <Client> in which you want to add the registry key, and then click Properties.
- Click the Registry Key Settings tab.
- Click Add.
- Enter CreateProcessSpecificProfile in the Name field.
- Enter MSExchangeMBAgent in the Location field. (For Exchange Mailbox iDataAgent).



Enter MSExchangeDMAgent in the Location field. (For Exchange Mailbox iDataAgent).

- Enter REG_DWORD in the Type filed.
- Enter 1 to enable and 0 to disable the key in the Value field.
- Click OK.

METHOD 2: INSTALL SOFTWARE FROM COMMCELL CONSOLE

1. From the CommCell Browser, select **Tools**, point to **Add/Remove Software**, and then click **Install Software**.

2. Click Next.

3. Select Windows. Click Next.

4. Select Manually Select Computers. Click Next.

murphy - CommCell Console		
File View Tools		
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Click Next to continue.		
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5. Enter the fully qualified domain name of the computer on which you have Exchange Server.

For example: win08ex07.idclab.loc Click Next.

6. Click Next.

 Specify User Name and Password that must be used to access the computer. Click Next.

Installer
Select how to discover the computers for installing the software
Manually select computers
Software will be installed only on the selected list of computers.
 Automatically discover computers Computers will be discovered when the job runs.
< Back Next > Save As Script Finish Cancel Help
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- 8. To install the Exchange iDataAgents expand Client Modules | Backup & Recovery | Exchange, and select one or more of the following:
 - Exchange Database iDataAgent
 - Exchange Mailbox iDataAgent
 - Exchange Public Folder iDataAgent

Click Next.

For Non-Exchange Server, Exchange Database iDataAgent will not be applicable.

- 9.
 - Select Client Group from Available and click Add.
 - Select a **Storage Policy** from the drop-down list. Click **Next**.
 - NOTES:
 - Select the **Configure for Laptop or Desktop Backup** option to install **Backup Monitor** utility. This utility allows you to view the backup job summary from the client computer without opening the CommCell Console. See Monitor - Laptop User for more information.
- 10. Type the Agent Specific Settings information. Click Next.

11. Click Next.

12. Select Immediate. Click Next.

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Exchange Public Folder DataAgent Exchange Web Folder DataAgent
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13. Click Finish.

- 14. You can track the progress of the job from the **Job Controller** or **Event Viewer** window.
- 15. Once the job is complete, right-click the **CommServe** computer, click **View** and then click **Admin Job History**.



Admin Job History Filter		N 1997
⊂ Job Type		
O Al	🔿 Data Aging	C Export Media
Auxiliary Copy	 Inventory 	O Disaster Recovery Backup
O Data Verification	O Offline Content Indexing	C Erase Media
C Erase Backup/Archived Data	O Drive Validation	O Drive Cleaning
Stamp Media	Install/Remove Updates	O Download/Copy Software
Install/Upgrade/Remove Soft		SRM Reports/Actions
O Information Management	O CommCell Export	O CommCell Import
Media Refreshing	1 Recover Store	O comincer inspect
	•	
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	0) Eastern Time (US & Canada)	
Start Time	End Time	
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Total records count : 9		

- 17. You can view the following details about the job by right-clicking the job:
 - Items that succeeded during the job
 - Items that failed during the job
 - Details of the job
 - Events of the job
 - Log files of the job
- **18.** Enable the following registry key to create job specific profiles:
 - From the CommCell Browser, navigate to Client Computers.
 - Right-click the <Client> in which you want to add the registry key, and then click Properties.
 - Click the Registry Key Settings tab.
 - Click Add.
 - Enter CreateProcessSpecificProfile in the Name field.
 - Enter MSExchangeMBAgent in the Location field. (For Exchange Mailbox iDataAgent).

Enter MSExchangeDMAgent in the Location field. (For Exchange Mailbox iDataAgent).

- Enter REG_DWORD in the Type filed.
- Enter 1 to enable and 0 to disable the key in the Value field.
- Click OK.

< Previous Next >

Install the Exchange Agents on Exchange Server 2003 -Clustered Environment

< Previous Next >

Follow the steps given below to install the Exchange Agents in clustered environment on the following:

- Exchange Server 2003
- Non-Exchange Server

WHERE TO INSTALL

The following procedure describes the steps involved in installing the Exchange Agents for Exchange Server 2003 on the following:

- Direct install on a Exchange Server or
- On an Non-Exchange Server computer. This may be used for the following circumstances:
 In the configuration where a single non-Exchange client is used to backup multiple Exchange Servers.
 - To off-load the backup of Exchange Server, so that the performance of the Exchange Server will not be effected.

RELATED TOPICS

- **Download Software Packages** Provides step-by-step procedure to download the latest packages for software install.
- **System Requirements** Verify that the computer in which you wish to install the software satisfies the System Requirements.
- Firewall Provides comprehensive information on firewall.

PREREQUISITES

The below mentioned prerequisites are for Mailbox Agents only. Ensure that you have the following:

- The mail-enabled user is a member of the Local Administrator Group and have rights to all mailboxes on the server.
- Using the Exchange System Manager snap-in, right-click the organization object and delegate control.
- Using the Wizard, assign the MailboxAdmin user Exchange Full Administrator privileges.
- Ensure that you assign full access to all mailboxes on the server. For details, see How do I Assign Full Access to All Mailboxes on a Server.

INSTALL PROCEDURE

- 1. Log on to the computer using an account with the following privileges:
 - Administrator of the local computer
 - Administrator of the Exchange Server
- 2. Run Setup.exe from the Software Installation Package.
- 3. Select the required language.

Click Next.

Select the language you will use during installation.	
<u>Next ></u>	Cancel
 Install Software on this computer Advanced options 	
View documentation website	
 View Install Quick Start Guide (Requires Adobe Acrobat Reader) Install Adobe Acrobat Reader 	
	⊜ Exit

4. Select the option to install software on this computer.

The options that appear on this screen depend on the computer in which the software is being installed.

5. Select I accept the terms in the license agreement.

Getting Started - Exchange Mailbox iDataAgent

	Click Next	Installer
	Click Next.	License Agreement Please read the following License Agreement. Press the PAGE DDWN key to view the entite agreement.
		End User License and Limited Warranty Agreement Software Release 9.0.0 (including Microsoft@ SQL Server TM 2008 Enterprise Edition, SQL Server TM 2008 Express Edition and Windows Pre-Installation Environment) Ext Harve Lisense Assessment I accept the terms in the license agreement. Installer
6.	Select Configure a Virtual Server.	
0.	Click Next.	Installer Cluster Type Selection Configure the Physical Node or a Vitual Server
		Configuration Options ← Configure the Physical node ← Configure a ⊻ritual server
		< Back Cancel
7.	Select the disk group in which the virtual server resides.	Installer
	Click Next.	Virtual Server Selection Select the virtual server you would like to configure
		Choose from the following list of disk groups configured on this cluster. 2003ClusterVMS
		< <u>Rack Next></u> Cancel
8.	To install the Exchange iDataAgents expand Client Modules Exchange, and select	Installer
	one or more of the following:	Select Platforms
	Exchange Database iDataAgent	Select the platforms you want to configure.
	Exchange Mailbox iDataAgent Evaluate Rubbis Folder iDataAgent	Common Technology Engine Move the pointer over a platform name to see a
	Exchange Public Folder iDataAgent	
	To install the Exchange Archiver Agents, expand Client Modules Archive Management , and select one or more of the following:	
	Exchange Compliance Archiver	Web Based Search & Browse Installation Folder:
	Exchange Mailbox Archiver Agent Evchange Dublic Folder Archiver Agent	
	Exchange Public Folder Archiver Agent	
	Click Next.	Special Registry Keys In Use

Install Agents for Restore Only

< Back Next >

Cancel

For Non-Exchange Server, Exchange Database iDataAgent will not be applicable.

9. If this computer and the CommServe is separated by a firewall, select the **Configure** firewall services option and then click **Next**.

For firewall options and configuration instructions, see Firewall Configuration and continue with the installation.

If firewall configuration is not required, click $\ensuremath{\textbf{Next}}.$

10. Enter the fully qualified domain name of the CommServe Host Name.

Click Next.

Do not use space and the following characters when specifying a new name for the CommServe Host Name:

\|`~!@#\$%^&*()+=<>/?,[]{}:;'"

11. Click Next.

12. Select **Add programs to the Windows Firewall Exclusion List**, to add CommCell programs and services to the Windows Firewall Exclusion List.

Click Next.

This option enables CommCell operations across Windows firewall by adding CommCell programs and services to Windows firewall exclusion list.

It is recommended to select this option even if Windows firewall is disabled. This will allow the CommCell programs and services to function if the Windows firewall is enabled at a later time.

machine, or whether	there is a Proxy in between.
C This machine can	open connection to CommServe on tunnel port
C CommServe can o	open connection toward this machine
C CommServe is rea	achable only through a proxy
Installer	
	Next > Cancel
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CommServe	Client Name
CommServe (Enter a valio mycomputer.	Host Name d, fully-qualified, IP host name; for example: mycompany.com)
mycomputer	r.mycompany.com
,	
Installer	
	< Back Next > Cancel
nstaller	
Communication In	
Setup will configure the	e communication paths.
	Select a client name
	audi_en
	Select an interface name that this computer will use to communicate with the CommServe
	audi.mycompany.com
	IP Address(es) for the selected host.
Installer	
	< Back Next > Cancel
nstaller	X
Windows Firewall	
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Windows Firewall	is ON
Add programs	to the Windows Firewall Exclusion List
If you plan on usin exclusion list.	\ensuremath{w} is recommended to add the software programs to the

< Back

Next >

If there is a firewall between this machine and the CommServe, configure firewall services below

Installer Firewall Configuration Configure firewall services

Configure firewall services

Installer

13. Verify the default location for software installation.

Click **Browse** to change the default location.

Click Next.

- Do not install the software to a mapped network drive.
- Do not use the following characters when specifying the destination path:

/:*?"<>|#

Cancel

		Installer Destination Faldes	
	It is recommended that you use alphanumeric characters only.	Destination Folder Select the destination folder to install the	ne program files.
		Click Next to accept the default loca Destination Folder CNProgram Files Drive List C: 928 MB	tion, or click. Browse to choose an alternative structure of the second struct
			V Dack Next /
	Calast a Clinat Course from the list		
14.	Select a Client Group from the list.	Installer	
	Click Next.	Client Group Selection	
	This screen will be displayed if Client Groups are configured in the CommCell Console.	Select a client group for the client. The Client Group is a la which have the same. Schedule Policy, Actur Client group:	sgical grouping of client machines associations at various levels like by Control, Security and Reports.
		None Selected client_group	
		I	
		Installer	
			< Back Next >
15.	Click Next.	1	
15.		Installer	
		Schedule Install of Automatic Choose when you want to schedule at	
		downloaded updates.	i instali ui trie
		Schedule Install of Automatic U	pdates
		C Once	
		Time	s 08:31:12 PM
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			Monday C Tuesday
			🛾 Wednesday 🛛 🔿 Thursday
			Friday C Saturday
			Sunday
			Sunday
		Installer	< Back Next >
16.	Select a Storage Policy .	Installer	
	Click Next.	Storage Policy Selection	
		Select a storage policy for the default	subclient to be
		backed up.	
		Configure for Laptop or Desktop	Backup
		Select a storage policy from the	a null-down liet
		Sciect d storage policy non the	poli dominiat.
		Unassigned	▼
		Installer	
			< Back Next >
	If you do not have Storage Policy created, this message will be displayed.	Installer Storage Policy Selection	
	Click OK .	Select a storage policy for the default backed up.	
		Configure for Laptop or Deskto	p Backup
	You can create the Storage Policy later in step 32.		
	You can create the Storage Policy later in step 32.		

• If you are installing the Exchange Database iDataAgent on the Exchange Server, click Configure Exchange Database Specific Information.

Installe

X

te location.

Cancel

Cancel

Cancel

Cancel

Next > Cancel

< Back

X

X

• If you are installing the Exchange Agents on the Non-Exchange Server, skip to Configure Exchange Agents Specific Information.

CONFIGURE EXCHANGE DATABASE SPECIFIC INFORMATION

- 17. Select the backup type for Exchange Database backups. Choose either of the following options, then click **Next**.
 - Differential Specifies that each non-full Exchange Database backup secures all data that has changed since the last full backup. Transaction lobs are not purged.
 - **Incremental** Specifies that each non-full Exchange Database backup secures only that data that has changed since the last backup of any type. Committed transaction logs are purged.

Installer	×
Exchange Backup Option	s
Please select a default backup	type
C Differential	Backs up changes in the Information Store and Directory Service since the last
	Store and Directory Service since the last Full backup, Does not purge the
	transaction logs.
Incremental	Backs up changes in the Information
· morener war	Backs up changes in the Information Store and Directory Service since the last
	Full backup or Incremental backup. The committed transaction logs are then
	purged.
Installer	
	<back next=""> Cancel</back>
	×
Enter Administrator accou	Int information
Enter Administrator account info	
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Account N	ame:
Account F	assword:
Domain:	
EXCH	
	Next > Cancel
Installer	×
Summary	
Summary of install selections	
Setup has enough information	on to start copying the program files. If you are satisfied with the
install settings, click Next to	begin copying files.
Destination Path = C:\Progr-	am Files\
CommServe Host = mycomp Interface Name = audi.myco	ompany.com
Client = audi Job Results Path = C:\Progr	
Global Filters = Use Cell leve	al policy
<	× *
Installer	
in recorded in	<back next=""> Cancel</back>
	Carbei
Installer	
Please verify that Gro backup operations.	ular Logging is disabled before performing any database
	01

- **18.** Enter the user credentials to access the Exchange Server to perform the backup operation.
 - The User Account must have Exchange Administrator privileges.
 - The installation detects the domain name. If necessary, you can modify the domain name by specifying Windows domain that the Exchange Server resides in.

19. Click Next.

- **20.** The install program displays a reminder to verify that Circular Logging is disabled before performing any database backup operations. To verify that Circular Logging is disabled:
 - From Exchange System Manager, navigate to and expand the server that the Database *i*DataAgent is being installed on.
 - Verify that the Circular Logging check box has not been selected for each Storage Group. If Circular Logging has been enabled for a Storage Group, disable it at this time.

Click OK.

- If you are installing the Exchange Agents, then click Configure Exchange Agents Specific Information.
- If you are installing the Exchange Database *i*DataAgent, skip to Install Remaining Cluster Nodes.

CONFIGURE EXCHANGE AGENTS SPECIFIC INFORMATION

21. Select Exchange Server Name and Exchange Server Version from drop-down list.

Click Next.

This screen will appear when you are installing Exchange Agents on Non-Exchange Server.

22. Click Next.

- 23. Enter the following Exchange Administrator information then click **Next**.
 - Account Name Domain user account created with the exchange server administrator permissions. Do not include the domain name here.
 - Account Password The password assigned to the domain user.
 - Mailbox Name for this Account Mailbox associated with the user above.
 - **Profile Name** Specify profile name to be created during agent install. This profile is associated with the domain user's mailbox.
 - Exchange Server Name Name of the Exchange Server that the agent will communicate with for data protection and recovery operations.

For Exchange Server 2010, enter the Client Access Role. After installation configure the roles as described in Configure Mailboxes in Database Availability Group (DAG) Servers.

 Domain - The installation detects and enters a domain name. If necessary, modify the domain name by specifying Windows domain that the Exchange Server resides in.

INSTALL REMAINING CLUSTER NODES

24. To install the software on the remaining nodes of the cluster, click **Yes**.

To complete the install for this node only, click No.

25. Select cluster nodes from the **Preferred Nodes** list and click the arrow button to move them to the **Selected Nodes** list.

Once you complete your selections, click Next.

- The list of **Preferred Nodes** displays all the nodes found in the cluster; from this list you should only select cluster nodes configured to host this cluster group server.
- Do not select nodes that already have multiple instances installed.

Installer	X
Exchange Server Name Please provide Exchange server name	
Exchange Server Exchange Ser Exchange_S Exchange Se Exchange Se	erver
Installer	< <u>Back Next></u>
Installer	
Summary Summary of install selections	
Setup has enough information to star install settings, click Next to begin co	t copying the program files. If you are satisfied with the pying files.
Destination Path = C\Program Files CommServe Host = mycomputer.myc Interface Name = audi.mycompany. Client + activate Path = C\Program Files Global Filters = Use Cell level policy	company.com com
<	>
Installer	< Back Next > Cancel
	e de la companya de l
Installer Exchange Administrator Accoun Information Mailbox and Profile information	t
Please enter the Exchange account info the information supplied.	rmation required below. A new profile will be created with
Account Name:	Profile Name:
, Account Password:	, Exchange Server Name:
Mailbox Name for this Account:	Domain:
Installer	
	< Back Next > Cancel

Installer	
2	Would you like to install the software on remaining nodes on the cluster?
	Yes No



Click Next.

27. The progress of the remote install for the cluster nodes is displayed; the install can be interrupted if necessary.

Click **Stop** to prevent installation to any nodes after the current ones complete.

Click Advanced Settings to specify any of the following:

- Maximum number of nodes on which Setup can run simultaneously.
- Time allocated for Setup to begin executing on each node, after which the install attempt will fail.
- Time allocated for Setup to complete on each node, after which the install attempt will fail.

If, during the remote install of a cluster node, setup fails to complete or is interrupted, you must perform a local install on that node. When you do, the install begins from where it left off, or from the beginning if necessary. For procedures, see Manually Installing the Software on a Passive Node.

28. Read the summary for remote installation to verify that all selected nodes were installed successfully.

Click Next.

- If any node installation fails, you must manually install the software on that node once the current installation is complete. See Manually Installing the Software on a Passive Node for step-by-step instructions.
- The message displayed on your screen will reflect the status of the selected nodes, and may look different from the example.

	d Nodes tec2 A A A A A A A A A Configured Nodes VMCLUSTER1 A A A A A A A A A A A A A
	Next > Cancel
nstalle	
Doma	in administrator account information e provide domain administrator account
Γ	Domain Account Information
	User Name (COMAIN\USER>): LAB\Administrator
	Account Password:
L	
	< Back Next> Cancel
progr	an stop remote install at any time. Installed clients will not be uninstalled. Clients in ess will continue installation, but their results will not show correctly.
	nt Name Client Status Start Time End Time Result Description
Clie real	
real	
real Insta	2
reali ↓ Insta Faile	2 Iled successfully:
reali ↓ Insta Faile	2 Iled successfully: 0 Left to install: 1 In progress: 0 Max 1 Har
real: Insta Faile Elap:	2 Iled successfully: 0 Left to install: 1 1 to install: 0 In progress: 0 ed time: 0 sec Estimated time left: 10 min 0 sec
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real Insta Faile Elap Ad Installe Tri Resul Resul Resul Resul Sum	Idd successfully: 0 Left to install: 1 d to install: 0 In progress: 0 Max 1 idd to install: 0 In progress: 0 Max 1

30. Click Next.

31. Click Finish.

5 CHOIC at the bottom of the page to proceed to the Configuration section. If you do not have Storage Policy created, continue with the following step.

Create a Storage Policy: 32.

- 1. From the CommCell Browser, navigate to Policies.
- 2. Right-click the Storage Policies and then click New Storage Policy.
- 3. Follow the prompts displayed in the Storage Policy Wizard. The required options are mentioned below:

If you already have a storage policy selected in step 16, Click Next > button available

- $\circ~$ Select the Storage Policy type as $\mbox{Data Protection}$ and $\mbox{Archiving}$ and click Next.
- Enter the name in the Storage Policy Name box and click Next.
- From the **Library** list, click the name of a disk library to which the primary copy should be associated and then click Next.

Ensure that you select a library attached to a MediaAgent operating in the current release.

- o From the MediaAgent list, click the name of a MediaAgent that will be used to create the primary copy and then click Next.
- $\circ~$ For the device streams and the retention criteria information, click Next to accept default values.
- Select **Yes** to enable deduplication for the primary copy.
- $\circ~$ From the MediaAgent list, click the name of the MediaAgent that will be used to store the Deduplication store.

Installer
Summary Summary of install selections
Setup has enough information to start copying the program files. If you are satisfied with the install settings, click Next to begin copying files.
Destination Path = C:\Program Files\ CommServe Host = mycomputer.mycompany.com Intertace Name = audi.mycompany.com Dient =audi Job Results Path = C:\Program Files\JobResults Global Filters = Use Cell level policy
Installer X Schedule Reminder Job schedule creation reminder
Please note: You still need to create a Job Schedule for each DataAgent that has been installed on this client computer. Job Schedules are required to allow the DataAgents to perform automated backup and restore operations. Job Schedule creation can be accomplished through the CommCell Console administration interface.
Installer
Installer X Completion Report Setup complete
Software installation completed successfully
Installer Technical Support Website



Type the name of the folder in which the deduplication database must be located in the Deduplication Store Location or click the Browse button to select the folder and then click ${\bf Next}.$

 $\circ\;$ Review the details and click Finish to create the Storage Policy.

33.

- Enable the following registry key to create job specific profiles:
 - From the CommCell Browser, navigate to Client Computers.
 - Right-click the <Client> in which you want to add the registry key, and then click Properties.
 - Click the Registry Key Settings tab.
 - Click Add.
 - Enter CreateProcessSpecificProfile in the Name field.
 - Enter MSExchangeMBAgent in the Location field. (For Exchange Mailbox iDataAgent).

 $\ensuremath{\mathsf{Enter}}$ MSExchangeDMAgent in the Location field. (For Exchange Mailbox iDataAgent).

- Enter REG_DWORD in the Type filed.
- Enter 1 to enable and 0 to disable the key in the Value field.
- Click OK.

< Previous Next >

Getting Started - Exchange Mailbox *i*DataAgent Configuration

Once installed, configure a backup set and subclient as follows.

- From the CommCell Console, navigate to Client Computers | <Client> |
 Exchange Mailbox | defaultBackupSet.
- Right-click the default subclient and then click **Properties**.

Click the Content tab.

1.

• Click the **Configure** button.

3. Click Discover.

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2 2	3			
Subclient Properties of default		X		
Storage Device Auto-discovery General Content Contents of subclent: Display Name Alias Nar	Activity C Filters	SMTP Add	Encryption Pre/Post Process dress	Security
				<u> </u>
Total: 0 mailbox(es).				figure
Only backup following folders (separated by	;) (Note: Other fold	ers in the mailbo	x will not be back	ed up)
Perform backup using mining off sn	apshot			
Exchange DB client				~
Agents				~
Instance				~
Backupset				~
Exchange DB subclient to use Proxy Client				~
L		ОК	Cancel	Help
Add/Modify Mailbox in Backup	Set: Exch_te	st		
Display Name Alias Name	SMTP Ad	dress	Subclient	×
Change all selected mailboxes to: del	ault			8
		iver C	ancel	Help

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Next 🕨

- 4. Hold down CTRL and click each mailbox listed in the Mailbox Name list.
 - In the Change all selected mailboxes to list, click default.
 - Click OK.

- Click the Storage Devices tab.
 - Select a Storage Policy.
 - Click OK.

5.

Click Next > to continue.

If you do not have Storage Policy created, click $\ensuremath{\textbf{Create Storage Policy}}$ and proceed to the next step.



- 2. Follow the prompts displayed in the Storage Policy Wizard. The required options are mentioned below:
 - Select the Storage Policy type as Data Protection and Archiving and click Next.
 - $\circ~$ Enter the name in the Storage Policy Name box and click Next.
 - From the **Library** list, click the name of a disk library to which the primary copy should be associated and then click **Next**.

Ensure that you select a library attached to a $\ensuremath{\mathsf{MediaAgent}}$ operating in the current release.

- From the MediaAgent list, click the name of a MediaAgent that will be used to create the primary copy and then click Next.
- $\circ\;$ For the device streams and the retention criteria information, click Next to accept default values.
- $\circ~$ Select Yes to enable deduplication for the primary copy.
- From the **MediaAgent** list, click the name of the MediaAgent that will be used to store the Deduplication store.

Type the name of the folder in which the deduplication database must be located in the Deduplication Store Location or click the Browse button to select the folder and then click **Next**.

 $\circ~$ Review the details and click Finish to create the Storage Policy.



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Previous Next >

Getting Started - Exchange Mailbox iDataAgent Backup

< Previous) Next >

WHAT GETS BACKED UP	WHAT DOES NOT GET BACKED UP
Mailboxes	Exchange Server Properties
E-mail messages	Archive Mailboxes
Appointments	Mailboxes of disabled Active Directory user accounts are not backed up by default; refer to Configuring
Contacts	Backups of Disabled Mailboxes.
Tasks	Discovery Search Mailboxes are not backed up by default; refer to Configuring Backups for Discovery Search Mailboxes.
Journal Entries	Deleted Item Retention Folders are not backed up by default; refer to Configuring Backups for Deleted Item
Notes	Retention Folders.
Attachments	

PERFORM A BACKUP

- 1. From the CommCell Console, navigate to Client Computers | <Client> | Exchange Mailbox | defaultBackupSet.
 - Right-click the default subclient and click **Backup**.



- Under Job Initiation, click Immediate.
- Click OK.



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You can track the progress of the job from the **Job Controller**.

4. Once the job is complete, view the details of job from the **Backup History**. Rightclick the **Subclient** and select **Backup History**.

5. Click OK.

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	ilter for: default			L
Backup Type				
 All 	🔵 Full		🔵 Differenti	l
 Incremental 	🔿 Synthet	ic full	🔿 Automate	d System Recovery
Job Status				
 All 	Completed	○ Failed	Ок	illed
Specify Time Rang	je			
Time Zone:	(GMT-08:00) Pacific Tim	e (US & Canada)		~
Start Time		End Time		
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- 6. Right-click the job to:
 - Browse the mailboxes that were backed up.
 - Find messages in the backup.
 - View items that failed, if any, during the job.
 - Resubmit the job.
 - View job details, such as the number of mailboxes backed up.
 - View media associated with the job.
 - View events associated with the job.
 - View messages that were backed up.
 - Send the log file that is associated with the job.

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Getting Started - Exchange Mailbox iDataAgent Restore

< Previous Next >

PERFORM A RESTORE

1.

It is recommended that you perform a restore operation immediately after your first full backup to understand the process. The following section explains how to restore a single mailbox to a Personal Storage (PST) file that can be imported into Outlook.

- From the CommCell Console, navigate to Client Computers | <Client> | Exchange Mailbox.
 - Right-click the default backup set and then click **All Tasks | Browse Backup Data**.

2. Click **OK**.

- Expand the defaultBackupset and select the mailbox that you want to restore.
 Click Recover All Selected.
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 mining
 Exchange Mailbox Archiver Doc DA Exchange PF Archiver Exchange Pi File System
 exclusion
 exclusion ÷ Exchange Public Folder Exchange Complian
 Exchange Complian
 Exchange Mailbox ance Archiver f defaultBackupSet All Tasks DA Exchange Mailbo DA File System Backup All Subclients Browse Backup Data In the system
 In the Properties Find Delete Configure Operation Window New Subclient Browse Options Browse the Latest Data O Specify Browse Time - 05 : 27 PM A Client Computer: exproxy5x64 Use MediaAgent <ANY MEDIAAGENT> ~ Show Deleted Items Page Size: 1000 📩 Cancel Advanced List Media OK Help 0.0 Modified 2011 9-20 PH Sile 0 Bytes 0 Byte Type Fulder
- 4. Click To PST File.
 - Select Local Drive.
 - Click **Browse** to locate the path.

- **5.** Select the path and click **Add**.
 - Close the window.

6. Append the path with the PST file name. Ensure to include the $\tt.pst$ file extension.

Restore Options fo	r All Selected Item	S	×
neral Job Initiation			
🔿 To Mailbox			
Restore Destinat	ion		
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✓ Restore to	o same folder		
Specify destin	ation path		
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Restore Options for All Selected Items	×
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Specify destination path	
Browse	
When message exists	
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Append	
⊖ Skip	
• To PST File	
C:\temp\carmine.pst Browse	
Local Drive Network	
Save As Script Help)

- Click the Job Initiation tab and select Immediate.
 - Click OK.

7.

- 8. You can monitor the progress of the restore job from the **Job Controller**.
- 9. Once the restore job has completed, right-click the agent and click View | Restore History.

10. Click **OK**.

- **11.** Right-click the job and do one of the following:
 - View Restore Items.

You can view them as Successful, Failed, Skipped or All.

- View Job Details.
- View Paths.
- View Events of the restore job.
- View or send log files of the restore job.
- Resubmit the job if the job is not too old.
- **12.** In Windows Explorer, confirm the PST file was created.

Restore Options for All Selected Items	
General Job Initiation	
Job Initiation	
○ Immediate	
Run this job now	
O Schedule	
Configure Schedule Pattern Configure	
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	example.sms	875 Bytes	File	9/28/09 2:15 PM	
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	msistrings.bin	901.6 KB	File	9/28/09 2:15 PM	
	Patch1.htm	49.29 KB	File	9/28/09 2:15 PM	
	PkgCatalog.z	1.67 KB	File	9/28/09 2:15 PM	
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	Readme SV.html	42.73 KB	File	9/28/09 2:15 PM	
	Readme ZH CN.html	39.24 KB	File	9/28/09 2:15 PM	
	Readme_ZH_TW.html	39.26 KB	File	9/28/09 2:15 PM	
	Repost1.htm	20.35 KB	File	9/28/09 2:15 PM	
	Setup.ini	113 Bytes	File	9/28/09 2:15 PM	~

13. Import the PST file into Outlook.

This step is based on Outlook 2010. The steps and screen may be different if you are using another version of Outlook.

- Click **File** and then click **Open**.
- Click Import.
- Select Import from another program or file option and click Next.
- Under File Type, select Outlook Data File (.pst) and click Next.
- Click Browse and choose the .pst that was restored and click Next.
- Choose to import the file to the current folder or choose another folder and click **Finish**.

When **Import items into the same folder** is selected, the data from the imported file will be added to the same folder in Outlook if the folder matches. If the folder doesn't match in Outlook, it will be created.

14. View the imported folder in Outlook.





CONGRATULATIONS - YOU HAVE SUCCESSFULLY COMPLETED YOUR FIRST BACKUP AND RESTORE.

If you want to further explore this Agent's features read the **Advanced** sections of this documentation.

