bv-Control_® for Microsoft_® Exchange v3.0

Comprehensive Administration, Security, and Availability Management for Microsoft Exchange

Evaluator's Guide



For more information

Web: www.bindview.com Sales Information: sales@bindview.com Technical Support: support@bindview.com Anonymous FTP: ftp.bindview.com

USA and Canada Voice: (800) 813-5869 Mexico Voice: (800) 396-1014 International Voice: (713) 561-4000 Fax: (713) 561-1000

BindView Corporation 5151 San Felipe, Suite 2500 Houston, TX 77056

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Introduction

This Evaluator's Guide was designed to help you experience some of the valuable features incorporated into bv-Control® for Microsoft® Exchange and bv-Control® IntelliPACS®. Throughout this evaluation, you'll discover new and valuable insights into the wealth of information within the bv-Control products.

One challenge that administrators face is constantly monitoring the health and efficiency of the Microsoft Exchange environment. Using bv-Control for Microsoft Exchange, administrators are well equipped to pinpoint performance issues and correct the problems before users experience system downtime.

Another challenge that administrators face is how to effectively ensure high availability and performance of Windows NT®/Windows® 2000 operating systems and Microsoft® BackOffice® applications. Constantly tracking the health and efficiency of critical operating systems and Microsoft BackOffice application functions, bv-Control IntelliPACS will automatically alert administrators before users experience problems. While it is impossible to discuss every feature of bv-Control for Microsoft Exchange and bv-Control IntelliPACS in this document, we believe that this tour will offer you an overview of the easiest way to administer and secure your Microsoft Exchange and Windows NT/2000 environments.

Key Features Overview

The following chart provides a quick overview of the key features of bv-Control for Microsoft Exchange and bv-Control IntelliPACS and how it can meet the needs of today's ever-changing Exchange environment.

Features	Benefits	Product
Exchange Configuration Management	bv-Control for Microsoft Exchange provides comprehensive reporting on security and critical aspects of the Private Information Store, Public Folders, Directory, Exchange Server configuration, and Tracking Logs in Exchange 5.5 and Exchange 2000 mixed-mode and native-mode environments. With information provided by bv-Control for Microsoft Exchange, administrators can accurately view the current state of their Exchange environment and compare the current state with previous configuration through baselining.	bv-Control for Microsoft Exchange
Move Mailbox Functionality (using Drag- and-Drop)	bv-Control for Microsoft Exchange saves time by providing Exchange administrators the ability to quickly move a mailbox by dragging and dropping across site, containers and organizations in Exchange 5.5 and across Exchange 5.5 and Exchange 2000 boundaries.	bv-Control for Microsoft Exchange
ActiveAdmin Functionality (Find-and-Fix)	bv-Control for Microsoft Exchange provides management capabilities by giving you the ability to edit, delete, move, or copy field values displayed in a grid's dataset.	bv-Control for Microsoft Exchange
"Ready-to-Go" Reports	bv-Control for Microsoft Exchange comes with over 145 pre-configured Query Binders that identify key issues such as Private and Public Store utilization and usage, server integrity, security, message tracking, and Web storage management along with pre-migration predefined reports. With a simple point-and-click interface that can get you up and running in a matter of minutes, bv-Control for Microsoft Exchange will allow you to quickly and proactively determine the state of your Exchange environment.	bv-Control for Microsoft Exchange

Features	Benefits	Product
Query Based Analysis	In addition to providing "Ready-to-Go" reports out of the box, bv-Control for Microsoft Exchange also provides full-featured query-based capabilities allowing Exchange administrators to easily build custom queries for issues specific to their Exchange environments. Results from queries can be saved for trend analysis and capacity planning. bv-Control for Microsoft Exchange provides ultimate flexibility through advanced capabilities which allow report information to be graphed, compared to an established baseline, and exported into a variety of data formats such as Microsoft Excel or Microsoft Word. bv-Control for Microsoft Exchange allows query-based analysis on over 2100 MAPI, DAPI and ADSI fields.	bv-Control for Microsoft Exchange
Analysis of the Message Tracking Logs	bv-Control for Microsoft Exchange analyzes the utilization of messages that are delivered through Microsoft Exchange Server. This provides the means to analyze message delivery times along with public folder and directory replications to spot trends and proactively plan for change.	bv-Control for Microsoft Exchange
Distribution List Management	bv-Control for Microsoft Exchange includes the "Create Distribution List" feature that allows Distribution List population from a current list of all mailboxes, regardless of where they are located in the Exchange Organization. The "Create Distribution List" feature allows the ability to create distribution lists by using click-and-drag functionality from the Global Address List and server browsers.	bv-Control for Microsoft Exchange
Enforcement of Corporate Policy	bv-Control for Microsoft Exchange provides the ability to search mailboxes, public folders and streaming files that may contain language or attachments that may be in violation of corporate policies. Once located, messages can be copied, moved, or deleted from the user's mailbox.	bv-Control for Microsoft Exchange

Features	Benefits	Product
Availability and Performance Management	Intelligent, packaged scripts called IntelliPACS® provide 24/7 monitoring of the Exchange environment at the operating system and applications layer. The metrics gathered from Exchange services, event logs and performance counters are analyzed and alerts are generated when any meet the set threshold levels. Monitoring can be performed remotely so that agents are not required on every managed server. An alert is issued when the agent discovers a problem. Alerts are issued through various methods: distributed directly to the console, a Windows NT network broadcast message, a pager or an e-mail address. In addition, alerts may be configured to launch other applications, or sent to other management consoles via SNMP traps. Users may also view and sort alerts through the console presentation.	bv-Control IntelliPACS
Customized Alerting	IntelliPACS can be customized by using a wizard interface that requires no programming skills. The user can easily create new alerts, alter the trigger levels of alerts, or change the notification method. Further, the user may choose to create an entirely new IntelliPACS component in order to manage additional components within Windows NT and Microsoft Exchange event logs, services and performance counters.	bv-Control IntelliPACS

Features and Functionality

Exchange 5.5 and 2000 Support

bv-Control for Microsoft Exchange provides Advanced Reporting on the following:

- Mail-Enabled User Properties
- Exchange 5.5 and Exchange 2000 Server Properties
- Active Directory Connector Configuration, Settings and Agreements
- Public Folders Properties and Contents
- Web Storage Folder Properties
- Mailbox Contents
- Mailbox Properties
- Tracking Logs
- Tracking Log Summary
- Event Logs
- Services
- Message Delivery Times

Advanced Management

- Drag-and-Drop Move Mailboxes from Exchange 5.5 to Exchange 2000 within an Administrative group
- Drag-and-Drop Move mailboxes across sites, containers and organizations
- Specify location of PST files for Move Mailbox
- Move mailboxes by GAL listing and right-click menu option
- Move multiple mailboxes at one time by drag-and-drop or menu option
- Advanced Distribution List Management
- · Addition of display names for mailbox content scanning
- · Addition of Message Read and Message Flag fields to content scanning
- · New recipient field in tracking log summary for improved filtering and recipient analysis
- New field that reports on specific tracking log that the tracking log data is being extracted from
- Originator/Recipient Inbound/Outbound Traffic reporting
- Pre-filtering for improved content scanning query performance
- Well-known folder capability which provides the ability to scope mailbox scanning to specific folders (example: inbox and outbox)

ActiveAdmin Functionality

- Modify mailbox properties
- Modify public folder properties
- Delete mailbox contents
- Delete public folder contents
- Move/Copy Public Folder and Mailbox messages
- Create/Modify distribution lists

Exchange Organization Browsing

- Persistent cache for improved application performance
- Convenient Exchange 5.5 or Exchange 2000 Viewer
- Global Address List Browser
- Organizational Browser
- Server Alias

Before You Begin

In order for you to run the BindView RMSTM Console, your workstation and enterprise network must meet specific minimum requirements. Refer to the *bv-Control for Microsoft Exchange User Guide*.

Installing the Product

This exercise is designed to provide you with a basic understanding of how to install by-Control for Microsoft Exchange.

1. Install the BindView RMS Console and bv-Control for Microsoft Exchange. Refer to the bv-Control for Microsoft Exchange Quick Start Card.

Configuring the Product

After the installation of the BindView RMS Console and by-Control for Microsoft Exchange is complete, you must perform the following steps:

- 1. Create a Credential Database. Refer to the by-Control for Microsoft Exchange Quick Start Card.
- 2. Configure the Product. Refer to the by-Control for Microsoft Exchange Quick Start Card.

Configuration Management

Included with bv-Control for Microsoft Exchange are over 145 pre-configured sample reports that can help you audit and assess your Exchange environment. All of the pre-configured reports can be customized, which allows you to modify the default settings to whatever is appropriate for your Exchange environment. The information gathered in these reports can be used for various purposes from documenting the Exchange server setup to configuration policy assessment and enforcement.

MS-Exchange Server Property Scenario

SCENARIO DESCRIPTION: As part of the pre-migrating upgrade planning for Exchange 2000, the Administrator needs to determine which Exchange 5.5 Servers have FAT partitions. This will allow the Administrator to plan properly for partition upgrades prior to the installation of Windows 2000 and Exchange 2000. To accomplish this task we will use a pre-defined query.

 From the console tree pane, navigate to the bv-Control for MS-Exchange folder by using the following path: \BindView RMS\Risk Assessment and Control\Pre-Defined\bv-Control for Microsoft Exchange.

Under the **bv-Control for Microsoft Exchange** folder, you will see a list of folders that contain the various predefined reports for bv-Control for MS-Exchange.

2. Double-click the **! Exchange Migration Preparation Reports** folder to expand the list of predefined Query Binders for this category appearing in the right-hand column.

3. From the list of query binders on the details pane, right-click on the **Exchange Servers with FAT partitions - WMI.bvd** file.

ree Favorites	× 🗗 😢] 🛅 🐮 🛍 🛍									
I diamas										
end/ever RM5 RM4 Assessment and Control BR4 Assessment and Control BR4 Assessment and Control Br4 Control for Microsoft Exchange Br4 I Exchange Mingation Preparation Reports Br4 I Exchange Mingation Preparation Reports Br4 Content Scanning Br4 Content Scan	I Exchange Migration Preparation Reports Content of Dr.)Program Files/Bind/wer RMS(data) Name ADC Connection Agreement Profile Report.bvd Contact Copy Delete Rename Properties Help Contact Conta									

4. From the Settings shortcut menu, select Query Definition (as shown above).

The **Query Builder** dialog appears.

Query Builder - Exchange Servers with FAT partitions - WMI	×
Field Specification Filter Specification Sort Specification Scope	
Filter Field Names: Apply	
Available Fields Server Properties Custom Custom Admin Description Admin Display Name Canonical Name (E 2X Only) Conmon Name 	Field Info
Computer IP Address Container of Server Object (5.5 only) Container of Server Object (5.5 only) Orcele Time Stamp (E2X Only) DNS Host Name (E2X Only)	Add
Selected Fields	Remove
Server Name Computer IP Address NT Version Exchange Version/Build Disk Revise ID Disk File System Free Disk Space	Remove AI Descriptor Field Details
OK Cancel	Help

5. From the Query Builder dialog, select Scope.

6. On the **Scope** tab of the Query Builder dialog, drill down to the area where you want the query to begin its search.

Query Builder - Exchange Servers with FAT partitions - WMI	×
Field Specification Filer Specification Sort Specification Scope Available Item(s) Image: Store S	
B Named Scopes	
Add Scope Delete Named Scope Configure Dynamic Indexing	
r Selected Hen(s)	
Remove Scope Save Scope	
OK Cancel Help	

- 7. Select the server or servers you want to query.
- 8. Click Add Scope.
- 9. Click OK.

The **Query Options** dialog appears.



10. Select Run.

The BindView RMS message appears.

Bind∀ie	w RMS
⚠	The query has been modified. Would you like to save it?
	Yes No

11. Click No. The Console will begin the query process.

Task Status Monitoring

Now we're going to check the status of the query we have just run. The **Task Status** dialog will automatically pop up after query is launched (this can be set in User Manager), or it can be access by clicking on the Task Status icon.

The **Task Status** dialog offers you a quick and easy way to monitor and manage your tasks while they are running. For example, while waiting for your query results, you may want to open the **Task Status** dialog to view the status of your query. The dialog will tell you if the query is still processing, or if it did not process due to an error.

Actions				
Name	Туре	Start 💎	End	Details
Exchange Servers with FAT partitions - W	Query	8/13/2001 10:40:56 AM		Outstanding
Exchange Servers with FAT partitions - W	Query	8/13/2001 10:36:44 AM	8/13/2	Records: 2/5
Exchange Servers with FAT partitions - W	Query	8/13/2001 8:53:40 AM	8/13/2	Records: 1/1
•				

Displaying Query Results

When the **Exchange Servers with FAT partitions** – **WMI.bvd** report finishes running, you will receive a dataset in a **Grid** format that looks something like the following:

Address Version/Build 1 L-PANAMA-NT4S 10.211.107.41 5.0 [List] []	

In the Grid, you will see the name of the MS Exchange server(s) that you selected in the **Scope** option, along with information about the server partition information

Using Grid Pop-up Windows

If a record length exceeds the column width, a red arrow will appear in the record row. When you place the cursor over the Red arrow, it will invoke a pop-up window.

	inge Servers with FAT	partitions - WMI	l i							×
Grid Edi	t View Help									
] 🗟 爹	🛛 🗞 🛷 🛍 📆	🏨 🛱 🗞 🗛 🗛	۵ 🕼							
	Server Name	Computer IP Address	NT Version	Exchange Version/Build	Disk	Device ID	Disk File System	Free	Disk Spa	ice
1	L-PANAMA-NT4S	10.211.107.41	5.0	[List]	[List]	Þ	[List]	A: <	<null></null>	Þ
2	L-PRESCOTT-NT4S	10.211.107.44	5.0	[List] 🛛	[List]	Þ	[List]	с: в	FAT	Þ
								D: P		
								E: <	<null></null>	
•										►
F	Record 1 of 2	Messages:	1						Messages	
J .										_

When the grid is printed, the items listed under the Red arrows are listed completely in each field for easy viewing.

Mailbox (Mail-Enabled User) Management

The bv-Control for Microsoft Exchange product enables reporting on over 2100 fields which include all mailbox and mail-enabled user properties. The application reports on MAPI/DAPI and ADSI fields.

MS-Exchange Mailbox Property Scenario

SCENARIO DESCRIPTION: As part of a new corporate policy enforcement, the Administrator needs to determine which mail-enabled users are using the most disk space per server. This information will allow the Administrator to move mailboxes to better utilize disk space across the servers. We will use a pre-defined query to accomplish this task. Once the query has run, notice that the mailboxes are listed according to their total mailbox size.

From the console tree pane, navigate to the Mailbox Management folder by using the following path:
 \BindView RMS\Risk Assessment and Control\Pre-Defined\bv

Control for Microsoft Exchange/Mailbox Management.

2. From the list of query binders on the details pane, right-click on the Mailbox Disk Space Utilization Report.bvd file.

🚡 ⊆onsole <u>W</u> indow <u>H</u> elp		🎽 🖬 🔲 💷 🔰
Action ⊻iew Eavorites ree Favorites Favorites	Mailbox Management Content of 'D:\Program Files\BindView RMS\data	a\Pre-Defined\bv-Contro Size Type
end/ewe RMS Bisk Assessment and Control Bisk Assessment Assessment Bisk As	Mailbox Backlink Properties Pre-InterOrg Move Report.bvd Mailbox Custom Attributes Report.bvd Mailbox Space Utilization Report.hvd Mailbox Properties General Tat Print Mailbox Properties Limits Tab. b View Mailbox Security Report.bvd Security Report.bvd Mailbox Security Report.bvd Mailboxes With Data in Cust Cut Cut Mailboxes With ND FXIMINY Wint Mailboxes With ND ShoMatch i Mailboxes With ND Kat in Cust Cut Cut Cut Cut Rename Source Strike Mailboxe Mailboxes With ND Kat in Cust Mailboxes With ND Kat in Cust Cut Cut	13KB BindView Data File 7KB BindView Data File 4KB BindView Data File 9KB BindView Data File 6KB BindView Data File 6KB BindView Data File

3. From the Settings shortcut menu, select Query Definition (as shown above).

The **Query Builder** dialog appears.

4. From the **Query Builder** dialog, Select the **Sort Specification** tab. Confirm that the **Total Mailbox Size** (bytes) field is in the top position in the **Selected Fields** window.

Query Builder - Mailbox Disk Space Utilization Report	×
Field Specification Filter Specification Sort Specification Scope	
Available Fields Message Count (Normal)	Field Info
	Add
Selected Fields	Toggle Sort Remove Remove All
Select Duplicate Key Options ○ Allow Records with Duplicate Key ○ Only Allow Records with Duplicate Key ○ Suppress Records with Duplicate Key	
OK Cancel	Help

5. Select the **Scope** tab.

The Scope tab allows you to select the Exchange servers that will be contained in the report.

6. Select the server(s) to be included in the report.

Query Builder - Mailbox Disk Space Utilization Report	X
Field Specification Filter Specification Sort Specification Scope Available Item(s) Image: Comparison of the second state of the secon	
ter Skutna ter S	
Add Scope Delete Named Scope Configure Dynamic Indexing	
Selected Item(s)	1
 In ster/U : Arizona In ster/U : Florida Intervention Intervention 	
Remove Scope Save Scope Load Scope	
OK Cancel Help	

- 7. Click Add Scope.
- 8. Click OK.

The Query Options dialog appears.

Query Options		
View As		Run
Grid		Modify
C Chart	Chart Settings	Save
C Report		Help
L		Cancel

9. Select Run.

The BindView RMS message appears.

Bind∀ie	w RM5
⚠	The query has been modified. Would you like to save it?
	Yes No

10. Click No.

The Console will begin the query process.

When the **Mailbox Disk Space Utilization Report.bvd** report finishes running, you will receive a dataset in a **Grid** format that looks something like the following:

_	box Disk Space Utilization Report dit View Help				Þ				
🗟 🥩 🇞 🖉 🛅 👷 🛄 😂 🎭 🗛 🦻 🗈									
	Display Name	Home Server	Message Count (Normal)	Total Mailbox Size (bytes)	Ŀ				
1	MB-MONDO, XENOS	L-SAFFORD-NT4S	32,788	49,291,523	-				
2	MB-MONDO, IVO	L-PANAMA-NT4S	444	22,713,034					
3	MB-MONDO, JOANNA	L-PANAMA-NT4S	444	22,713,034					
4	MB-MONDO, KALISTA	L-PANAMA-NT4S	444	22,713,034					
5	MB-MONDO, LARISSA	L-PANAMA-NT4S	444	22,713,034					
6	MB-MONDO, SEPTEMBER	L-PANAMA-NT4S	444	22,713,034					
7	MB-MONDO, NIKITA	L-SAFFORD-NT4S	443	22,702,065					
8	MB-MONDO, ZULEMA	L-PANAMA-NT4S	443	22,658,658					
9	MB-BEACOUP, AILEEN	L-PANAMA-NT4S	443	22,647,899					
10	MB-BEACOUP, BROOK	L-PUEBLA-NT4S	443	22,512,842					
11	MB-BEACOUP, CARL	L-PUEBLA-NT4S	443	22,415,269					
12	MB-BEACOUP, DARRYN	L-PUEBLA-NT4S	443	22,415,269					
13	MB-BEACOUP, ENRIQUE	L-PUEBLA-NT4S	443	22,415,269					
14	MB-BEACOUP, FORREST	L-PUEBLA-NT4S	443	22,415,269					
15	MB-BEACOUP, GRIFFIN	L-PUEBLA-NT4S	443	22,415,269					
16	MB-BEACOUP, HANNAH	L-PUEBLA-NT4S	443	22,415,269	lÎ				
F	Record 1 of 421 Message	s: O							

Advanced Management Features

bv-Control for Microsoft Exchange provides the capability to perform several administrative functions from within the BindView application. This functionality includes Mailbox Moves (Dragand-Drop) and Find-and-Fix capabilities to fields in the following data sources: Mailbox, Mail-Enabled Users, Mail-Enabled User Groups, Distribution Lists, Server, and Public Folders (Web Storage). The Find-and-Fix functionality can be used from within your query results. This feature is called ActiveAdmin®. We will now look at an example of Move Mailbox and ActiveAdmin, and look at the settings for Exchange 5.5 and Exchange 2000.

Move Mailbox Scenario

SCENARIO DESCRIPTION: The Administrator needs to move several mailboxes that consist of a Department within the Organization that is moving to a new site. The Administrator wants to relocate these users' mailboxes to a server in their new site location.

- BindView [BindView RMS\by-Control for Microsoft Exchange\Exchange Or _ 🗆 × 📸 <u>C</u>onsole <u>W</u>indow <u>H</u>elp 🗋 😂 🖬 🔲 💶 🖻 🗵 Action View Eavonites | + -> 🗈 🖬 👗 📭 🗙 🛱 😰 🚺 🐮 🐚 🕵 Tree Favorites L-SAFFORD-NT4S Mailbox Count: 64 erver Message Count Total: 33,422 Server Me BindView RMS Message Count Storage Size (Bytes) Last Logir 🔺 Mailbox Name MONTANO, DARIUS 🗄 🦳 Risk Assessment and Control 33,219 Q-CAB MONTANO, EDGAR MONTANO, FRANKLIN MONTANO, GRIFFIN BindView RMS Configuration CARR 33,219 33,219 Configuration O-CAB IONTANO, HEAVYNN 33.219 ΓAR Q-Mixed ⊡-- Q Arizona 33.219 E L-PRESCOTT-NT45 MONTANO, KALISTA 33,219 Q-CABBA MONTANO, LARISSA 33,219 Q-CABBA Florida - 🗐 L-PANAMA-NT4S Q-CABBA 33,219 MONTANO, NIKITA 33.219 O-CABBA 🗄 🎯 Mexico MONTANO, OSCAR Q-CABBA Q-CABBA 505 L-DURANGO-NT45 33,219 Global Address List Server Aliases MONTANO, QUIANA 33,219 Q-CABBA MONTANO, REBECCA 33,219 Q-CABBA 33,219 Q-CABBA Distribution Lists 33,219 Q-CABBA MONTANO, TERESA Move Interorg8 1.587 O-CABBA 🕼 Nelson Cruz 2,949 Q-CABBA Nick Fald 4,963 Q-CABBA Octavio Dol 6.896 Q-CABBA 7,007 Q-CABBA 7,190 Q-CABBA 🚱 Pedro Martin 😭 Pokie Rees Richard Hilda 4.939 O-CABBA SAFFORD, MANAGER 30,796 Q-CABBA
- 1. Using the Server Browser, select the users to be moved to the new server.

TIP: This can be accomplished by holding down the **Shift** key, and **clicking on the first and the last mailbox** (in consecutive order) that you want to select. Or, mailboxes that are not listed in consecutive order may be selected by holding down the **Control** key, and clicking on each mailbox that you want to select.

2. Drag-and-Drop the mailboxes to the new destination server.

BindView - [BindView RMS\bv-Control for Microsoft Ex Console Window Help	change (cachange organization (g-ri	ikeu (Mitzulia (E-3)		
			1000	
Action Yiew Eavorites 🛛 🔶 🕂 🔝 🐰 🛱	a 🗙 🖫 😰 🛛 🛅 🖉 🐌 😰			
Tree Favorites	L-SAFFORD-NT4S Mailbox Count: 64	Server Message Co	unt Total: 33,422 Se	rver Messi
BindView RMS	Malbox Name	Message Count	Storage Size (Bytes)	Last Logi
Risk Assessment and Control	MONTANO, DARIUS	2	33,219	Q-CABB/
- BindView RMS Configuration	MONTANO, EDGAR		33,219	Q-CABB/
- 🎲 bv-Control for Microsoft Exchange	MONTANO, FRANKLIN		33,219	Q-CABBA
🗄 😺 Configuration	MONTANO, GRIFFIN		33,219	Q-CABBA
🖻 🚰 Exchange Organization	MONTANO, HEAVYNNE	2	33,219	Q-CABB/
🖻 🧟 Q-Mixed	MONTANO, IVO		33,219	Q-CABB/
😑 🥥 Arizona	MONTANO, JOANNA	2	33,219	Q-CABB/
L-PRESCOTT-NT45	MONTANO, KALISTA	2	33,219	Q-CABB/
L-SAFFORD-NT4S Florida	MONTANO, LARISSA	2	33,219	Q-CABB/
Honda Honda L-PANAMA-NT4S	MONTANO, MISHA	2	33,219	Q-CABB/
Mexico	MONTANO, NIKITA	2	33,219	Q-CABB/
i IL-DURANGO-NT45	MONTANO, OSCAR	1	505	Q-CABB/
E-PUEBLA-NT45	MONTANO, PHOEBE	2	33,219	Q-CABB/
🗉 🎥 Global Address List	MONTANO, QUIANA	2	33,219	Q-CABB/
🗄 🥁 Server Aliases	MONTANO, REBECCA	2	33,219	Q-CABB/
🗄 🎡 Distribution Lists	MONTANO, SEPTEMBER	2	33,219	Q-CABB/
	MONTANO, TERESA	2	33,219	Q-CABB/
	Move Interorg8	2	1,587	Q-CABB/
	A Nelson Cruz	5	2,949	Q-CABB/
	🕼 Nick Faldo	2	4,963	Q-CABB/
	Octavio Dotel	7	6,896	Q-CABB/
	🕼 Pedro Martinez	4	7,007	Q-CABB/
	Reese Pokie Reese	4	7,190	Q-CABB/
	🕼 Richard Hildago	2	4,939	Q-CABB/
	SAFFORD, MANAGER	1	30,796	Q-CABB
				<u> </u>

Once the mailbox move is initiated, the Administrator has various options during the move. For detailed information, refer to the *bv-Control for Microsoft Exchange User Guide*.

The Move Exchange Mailbox dialog appears.

Move Exchange 5	.5 Mailbox		X
3 2	Current Mailbox: From Server: To Server:	DMONTANO (L-SAFFORD-NT4S (in site 'Arizona') (L-PANAMA-NT4S (in site 'Florida')	
mailbox betweer	servers within a site or betw a PST file, and merge this o	Mailbox List Microsoft Exchange administrator to easily move, even sites. The process will extract data from the data into the new mailbox another server.	
/CN=REC	IPIENTS Move to	specific container? 🛛 🗖 Delete PST File?	
Save to File Move	Save All to File Move All	Skip Cancel Help	

3. Select Move All, to complete the Move Mailbox operation.

Once the Move Mailbox operation has completed, a confirmation message will appear with information on all mailboxes moved, those with errors, and mailboxes that did not move successfully. A detailed log file is also created for further tracking of the mailbox moves.

by-Contro	ol for Microsoft Exchange
٩	Move mailbox complete. 7 moved without errors, 0 were skipped, and 0 had errors. Any errors are logged in the application event log.
	ОК

4. Click **OK** to close the message.

Using ActiveAdmin to Modify Mailbox Properties Scenario

SCENARIO DESCRIPTION: We will use the ActiveAdmin feature to update a list of users' address information after a recent relocation to another building. This will ensure that users remain in compliance with company policy to maintain updated information on all employees in the Global Address List (GAL).

– Note –

ActiveAdmin can be used on over 160 fields spanning the Mailbox, Mail-Enabled Users, Server, and Distribution List.

1. From the console tree pane, navigate to the **Mailbox Management** folder by using the following path:

\BindView RMS\Risk Assessment and Control\Pre-Defined\bv-Control for MS-Exchange\Mailbox Management.

2. From the list of query binders in the details pane, right-click on the **Mailbox Properties General Tab Report.bvd** file.

≧ ⊆onsole <u>W</u> indow <u>H</u> elp] 🗅 🖆	F 🖬 🛛 🔟	_8×
Action ⊻iew Eavorites	🖻 🗙 📽 😰 🛛 🛅 🐮 🛍 1	2					
ee Favorites	Mailbox Management Content of 'D:\	Program Files\B	Bind	View RMS\data\	Pre-Defined\bv-Control	for Microsoft	t Exchang
BindView RMS	Name			Size	Туре	Date	
Risk Assessment and Control	Mailbox Backlink Properties Pre-Inte	rOrg Move Rep	oort	bvd 13KB	BindView Data File	07/30/01	16:22:32
😑 🧰 Pre-Defined	Aailbox Custom Attributes Report.b	vd		7KB	BindView Data File	07/27/01	14:45:08
😑 🧰 by-Control for Microsoft Exchange	Mailbox Disk Space Utilization Repor	t.bvd		4KB	BindView Data File	07/27/01	14:45:08
Exchange Migration Preparation Reports	Mailbox Message Count by folder.b			9KB	BindView Data File	07/27/01	
🕀 🧰 ! Getting Started	Mailbox Properties General Tab Rep	ort.bvd		6KB	BindView Data File	07/27/01	14:45:10
🗈 🚞 Active Directory Connector	Mailbox Properties Limits Tab.bvd	Run	F	6KB	BindView Data File	07/27/01	
🗈 🧰 Content Scanning	Mailbox Security Report.bvd	Print	Þ	4KB	BindView Data File	07/27/01	14:45:1:
🗄 🚞 Distribution List Management	Mailboxes All Attribute Report byd	View	F	12KB	BindView Data File	07/27/01	14:45:1
🗈 🦲 GAL Management	Mailboxes With Data in Custom Att	Settings	न	Query Defini	tion w Data File	07/30/01	17:26:0
Mail Enabled Groups Management	Mailboxes with no DAPI DN.bvd	Manage	Þ	Chart 1	w Data File	07/27/01	
Mail Enabled Users Management	Mailboxes with no Primary Window:			Report	w Data File	07/27/01	
🗈 🔄 Mailbox Management	Mailboxes With NTDSNoMatch in Cu	Cut	٦		BindView Data File	07/30/01	
Org and Admin Group Management	Mailboxes Without Data in Custom	Сору		t.bvd 7KB	BindView Data File	07/30/01	
Public Folder Management	INT Accounts With Multiple Mailboxe	Delete		4KB	BindView Data File	08/02/01	
Gecurity Management Gecurity Management Gecurity Management	Org Mailboxes To Be Deleted.bvd	Rename		5KB	BindView Data File	07/27/01	
Site Management		Properties		0100	billation bacarno	07/27/01	1111011
Storage Analysis		riopercies	_				
Traffic Analysis		Help					
Web Storage Management							
H Shared	1						
E Personal	1						
BindView RMS Configuration	1						
by-Control for Microsoft Exchange							
102	<u> • </u>						

3. From the Settings shortcut menu, select Query Definition (as shown above).

The Query Builder dialog appears.

4. Complete the query building process and launch the query.

- 5. Using the dataset generated from the **Mailbox Properties General Tab Report**, scroll to the **Address** field, and highlight all Address fields that are populated with a specific value (that you desire to change). This can be accomplished by holding down the **Shift** key and clicking on each department field that you want to select.
- 6. Right-click on one of the highlighted fields and select **Edit**.

i	2 🚧 🛷 🛅 👯 🛄	📙 📦 🌄 🗛 🧐 🔲					
	First Name [Editable]	Middle Initials [Editable]	Address	City	State Or Province Name	Zip Code	
1	A O'Dowd	[Empty]		3333	[Empty]	[Empty]	
2	ALAN	[Empty]	1707 Panama Drive 💻	Edit	FL	79424	ľ
3	BELANA	[Empty]	1707 Panama Drive	col 🗟 🕨	FL	79424	
4	CATHERINE	[Empty]	1707 Panama Drive 🗌	Panama	FL	79424	1
5	DARIUS	[Empty]	1707 Panama Drive	Panama	FL	79424	T.
6	EDGAR	[Empty]	1707 Panama Drive	Panama	FL	79424	
7	FRANKLIN	[Empty]	1707 Panama Drive	Panama	FL	79424	
8	GRIFFIN	[Empty]	1707 Panama Drive	Panama	FL	79424	1
9	HEAVYNNE	[Empty]	1707 Panama Drive	Panama	FL	79424	T.
10	IVO	[Empty]	1707 Panama Drive	Panama	FL	79424	1
11	JOANNA	[Empty]	1707 Panama Drive	Panama	FL	79424	1
12	KALASTA	[Empty]	SMDJVANRLCYXOIM D	[Empty]	[Empty]	[Empty]	1
13	KALISTA	[Empty]	1707 Panama Drive	Panama	FL	79424	T.
14	LARISSA	[Empty]	1707 Panama Drive	Panama	FL	79424	•
15	MISHA	[Empty]	1707 Panama Drive	Panama	FL	79424	1
16	NIKITA	[Empty]	1707 Lubbock Drive	Lubbock	TX	79424	T.
17	NIKITA	[Empty]	1707 Panama Drive	Panama	FL	79424	T.
18	OSCAR	[Empty]	1707 Panama Drive	Panama	FL	79424	•
19	PHOEBE	[Empty]	1707 Panama Drive	Panama	FL	79424	T.
20	QUIANA	[Empty]	1707 Panama Drive	Panama	FL	79424	ħ.
21	REBECCA	[Empty]	1707 Panama Drive	Panama	FL	79424	

An ActiveAdmin dialog appears.

Address Change Dialog	×
Address Field Value	_
5151 San Felipe	
5151 San Penpe	
C Special Value	
(<null>]</null>	
OK Cancel Help	

- 7. In the Address Field Value box, enter a new site address. For this example, enter 5151 San Felipe.
- 8. Select OK.
- 9. Select **OK** a second time to confirm the attribute change.

Wait for the status window to appear, once the ActiveAdmin operation has completed. This window will confirm a **Successful** or **Failed** status for each record that was changed.

🔲 Cł	nange S	Session Log	: Mailbox Pi	roperties Gei	neral Tab R	eport				_ 🗆 🗙
Grid	Edit	View Help								
] 🚉	6 🕲	in 🛷 🕅		* B A	۵ 🗊					
	Job	b Identifier	Time Stam	р	Result	Record Name	Console User	Comment	New Va	lue
1		127	8/13/2001	1:05:13 PM	Success	(MessagePropertiesScope 🖪	Q-CABBAGE\anguyen	[Form] 🖪	5151 Sa	n Felipe
•										<u>•</u>
	Rec	cord 1 of 1		Messages:	0					

10. Close this status window to return to the Mailbox Properties General Tab Report dataset.

At this point, the new values are not reflected in the current dataset. Rerunning the query will refresh the values displayed in the dataset.

11. From the Grid toolbar, select the **Re-run Query** icon.

The dataset will be updated with the new Address listed in the fields that were changed.

<u>i</u> (ð 🚵 🧳 🛅 📰 💵	🌡 🗯 🗞 🗛 🧐 🔲			
	First Name [Editable]	Middle Initials [Editable]	Address	City	State Or Province Name
1	A O'Dowd	[Empty]		aaaa	[Empty]
2	ALAN	[Empty]	1707 Panama Drive	Panama	FL
3	BELANA	[Empty]	1707 Panama Drive	Panama	FL
4	CATHERINE	[Empty]	1707 Panama Drive	Panama	FL
5	DARIUS	[Empty]	1707 Panama Drive	Panama	FL
6	EDGAR	[Empty]	1707 Panama Drive	Panama	FL
7	FRANKLIN	[Empty]	1707 Panama Drive	Panama	FL
8	GRIFFIN	[Empty]	1707 Panama Drive	Panama	FL
9	HEAVYNNE	[Empty]	1707 Panama Drive	Panama	FL
10	1V0	[Empty]	1707 Panama Drive	Panama	FL
11	JOANNA	[Empty]	1707 Panama Drive	Panama	FL
12	KALASTA	[Empty]	SMDJVANRLCYXOIMJ'	[Empty]	[Empty]
13	KALISTA	[Empty]	1707 Panama Drive	Panama	FL
14	LARISSA	[Empty]	1707 Panama Drive	Panama	FL
15	MISHA	[Empty]	1707 Panama Drive	Panama	FL
16	NIKITA	[Empty]	1707 Lubbock Drive	Lubbock	TX
17	NIKITA	[Empty]	1707 Panama Drive	Panama	FL
18	OSCAR	[Empty]	1707 Panama Drive	Panama	FL
1Q	PHOEBE	[Emnty]	1707 Panama Drive	Panama	FI

Setting the Mixed-Mode (Exch 5.5) or Native-Mode (Exchange 2000) Viewer

Another feature of the bv-Control for Microsoft Exchange 2000 Support is the ability to view the Exchange organization in either Exchange 5.5 (MAPI/DAPI) view, or in Exchange 2000 Native (E2K/ADSI) view. The view selector is part of the configuration settings and can be modified at any time.

The following example is based on an Exchange organization that is in mixed-mode.

- From the console tree pane, navigate to the bv-Control for Microsoft Exchange Configuration container by using the following path: \BindView RMS\bv-Control for Microsoft Exchange\Configuration.
- 2. From the details pane, right-click on **Configured View Type**.
- 3. Select Configure.

The Installation configuration for bv-Control for Microsoft Exchange dialog appears.

Installation configuration	for by-Control for Mi	crosoft Exchange 🛛 🗙
Move Mailbox Options Exchange Settings	Message Deletion Organ	Distribution Lists
Organization: Select 5.5 Server	q-mixed I-safford-nt4s	
	L-PRESCOTT-NT4S	
Mailbox Name: anguye	,	Verify
View mode: 💿 55/I Exchang	DAPI O E2K/ADSI ge mixed mode	Clear Exchange Settings
	OK Ca	ncel Help

4. From the Exchange Settings tab, click the Select 5.5 Server button.

The Connect to Exchange 5.5 Server dialog appears.

Connect to Exchange 5.5 Server		×
If you are configuring this produa have cleared your previous setti a default server, please enter ar name and server name to conne environment.	ngs, or you are connecting to organization name, site Cance	
Organization Name:		
SiteName:		
Server Name:		

5. In the Organization Name box, enter the Exchange organization name.

- 6. In the Site Name box, enter the site name that contains the Exchange server.
- 7. In the **Server Name** box, enter the Exchange 5.5 server name, or you can type the full distinguished name for the server.
- 8. Click OK.
- 9. From the Exchange Settings tab, click the Select W2K GC button.

Installation configuration for by-Control for Micros	oft Exchange 🗙
Move Mailbox Options Message Deletion	Distribution Lists
Exchange Settings Organization	on Options
Organization:	
Select 5.5 Server	
Select W2K GC	
Select Default Server	
Mailbox Name:	Verify
View mode: 💿 55/DAPI 🛛 C E2K/ADSI	Clear
Exchange 5.5 native	Exchange Settings
OK Cancel	Help

The Connect to Windows 2000 Global Catalog Server dialog appears.

Connect to Windows 2	000 Global Catalog Server	×
have cleared your pr	this product for the first time or if you evious settings, please enter both an Id server name to retrieve information ange environment.	OK Cancel Help
Organization Name:		
GC Server:		

- 10. In the Organization Name box, enter the Exchange organization name.
- 11. In the **GS Server** box, enter the name of the Windows 2000 Global Catalog, or you can type the full distinguished name for the Global Catalog.

The configured server must be a Global Catalog in the Windows 2000 environment. BindView recommends that you select the Global Catalog server that serves as the central repository for information about all objects in the forest.

- 12. Click **OK**.
- 13. Select your View Mode.
- 14. Select **OK** to save your settings.

Your Exchange Organization will now view in the mode selected.

Security Management

The by-Control for Microsoft Exchange product provides advanced reporting and Find-and-Fix functionality to quickly and easily provide Administrators with Security Management information to identify exceptions to policies that can be identified for mailboxes, distribution lists, public folders, and server configuration and settings. And once those exceptions are located, the Administrator can fix the exceptions from within the query results, regardless of where the object is located in the Exchange organization.

Adding Filters to a Query

Now we're going to filter the data using the **Additional Settings** dialog to make it more useful to you. In this exercise, we will demonstrate the ability to filter the information from the **Public Folder Contents Detail Report**.

Public Folder Permissions Scenario

SCENARIO DESCRIPTION: The Administrator needs a report on which Public Folders may have inappropriate content saved in them, based on company standards. Company Standards warn against posting items in Public Folders for "Fun" purposes. Therefore, the Administrator will locate all Public Folders with messages that contain "Fun" in the subject line.

1. From the console tree pane, navigate to the **Public Folders Management** folder by using the following path: \BindView RMS\Risk Assessment and Control\Pre-Defined\bv-Control for MS-Exchange\Public Folders Management.



- 2. From the details pane, right-click on the **Public Folder Contents Detail Report**.
- 3. From the **Settings** shortcut menu, select **Query Definition**.

The Query Builder dialog appears.

- 4. Select the **Scope** tab.
- 5. Select the server(s) or public folder(s) to be included in the report.

	ler Contents Detail Repo	rt		
Field Specification Filter Sp	pecification Sort Specificati	on Scope		
Available Item(s)	ESCOTT-NT4S			
Add Scope	Delete Named Scope	Co	nfigure Dynamic Ind	exing

6. Click Add Scope.

The **Additional Settings** dialog appears.

blic folder contents scope option	
Select scope extent	
C Scope to root public folders a sub-folders in server	nd all of their
C Scope to root public folder in	i server only
Pre-filter options	
Pre-filter on subject:	Fun
Pre-filter on content:	
Pre-filter on sender's name:	
Pre-filter on recipient's name:	
Pre-filter on has attachments	No attachment pre-filter
Logic to apply with pre-filters	Or 💌

7. In the **Pre-filter on subject text** box, enter the word "**FUN**," as shown above.

- 8. Click **OK** to close the **Additional Settings** dialog.
- 9. Click **OK** again to close the **Query Builder** dialog.

The **Query Options** dialog appears.

Query Options		
View As		Run
Grid		Modify
C Chart	Chart Settings	Save
C Report		Help
		Cancel

10. Select Run.

The BindView RMS message appears.

Bind∀ie	w RMS
⚠	The query has been modified. Would you like to save it?
	Yes No

11. Click No.

The Console will begin the query process.

When the **Public Folder Contents Detail Report.bvd** report finishes running, you will see only Public Folders that contain messages with "Fun" in the Subject line, along with information about the Folder Path and Name and Folder Last Modified Date/Time.

3 🥩 🍻 🏘 🛛	ሰ 🕵 🛄 🛊 🗞	A 🧐 🗖							
Server Nam			der Path	Subject	Importance	Last Modification Time	Time Message Created	Time Messag	e Sent
1 L-PANAMA	NT4S KW-PRESC	OTT Level 1 \KV	V-PRESCOTT Level 1	FUN	Normal	8/15/2001 12:30:06 PM	8/15/2001 12:29:41 PN	1 8/15/2001 12	29:41 P
2 L-PANAMA	NT4S KW-PRESC	OTT Level 1 \KV	V-PRESCOTT Level 1	FUN	Normal	8/15/2001 12:30:07 PM	8/15/2001 12:29:41 PN	1 8/15/2001 12	29:41 P
3 L-SAFFOR	-NT4S KW-PRESC	OTT Level 1 VKV	V-PRESCOTT Level 1	FUN	Normal	8/15/2001 12:30:06 PM	8/15/2001 12:29:41 PN	1 8/15/2001 12	29:41 P
4 L-SAFFOR	-NT4S KW-PRESC	OTT Level 1 VKV	V-PRESCOTT Level 1	FUN	Normal	8/15/2001 12:30:07 PM	8/15/2001 12:29:41 PN	1 8/15/2001 12	29:41 P

Sorting the Data

Now we're going to sort the data to make it more useful to you. In this exercise, we will demonstrate the ability to sort the information from the **Mailbox Disk Space Utilization Report**.

- From the console tree pane, navigate to the Mailbox Management folder by using the following path: \BindView RMS\Risk Assessment and Control\Pre-Defined\bv-Control for Microsoft Exchange\Mailbox Management.
- 2. From the details pane, right-click on the Mailbox Disk Space Utilization Report.
- 3. From the **Settings** shortcut menu, select **Query Definition**.

The **Query Builder** dialog appears.

uery Builder - Mailbox Disk Space Utilization Report Field Specification Filter Specification Sott Specification Scope	
Available Fields Message Count (Normal)	Field Info
	Add
Selected Fields Al Total Malbox Size (bytes) Dipley Name Al Home Server	Toggle Sort Remove
Select Duplicate Key Options C Allow Records with Duplicate Key C Dnly Allow Records with Duplicate Key C Suppress Records with Duplicate Key	Remove All
OK Canc	el THelo

4. Select the **Sort Specification** tab in the **Query Builder** definition dialog box. It is necessary to select the fields that you want to be sorted on the output grid.

Confirm that the **Total Mailbox Size** (bytes) field is listed in the **Selected Fields** box located at the bottom of the dialog. *If not*, double-click on the **Total Mailbox Size** (bytes) field in the **Available Fields** box to add it to the **Selected Fields**.

- 5. Since we want the data to appear in descending order, you will need to double-click on the **Total Mailbox Size (bytes)** field.
- 6. Select the **Scope** tab.

7. Select the Site/OU to be included in the report.

Query Builder - Mailbox Disk Space Utilization Report	X
Field Specification Filer Specification Scope Available Iten(s) ⊕ ⊕ Accona ⊕ ⊕ Accona ⊕ ⊕ Florida	
B Mexico Bault B Mamed Scopes	
Add Scope Delete Named Scope Configure Dynamic Indexing	
Selected Iten(s) Image: stexPU : Arizona Image: stexPU : Florida Image: stexPU : Mexico	
Remove Scope Save Scope Load Scope	

- 8. Click Add Scope.
- 9. Click OK.

The **Query Options** dialog appears.

Query Options		
View As-		Run
Grid		Modify
C Chart	Chart Settings	Save
C Report		Help
		Cancel

10. Select Run.

The BindView RMS message appears.

Bind¥ie	w RMS
⚠	The query has been modified. Would you like to save it?
	Yes No

11. Click No.

The Console will begin the query process.

When the report finishes	you will receive a	Grid that looks	something like	the following.
when the report minimus	you will receive t	ond that looks	someting nice	the following.

i (🌶 😽 🧬 🛅 👯 🛄 😂 🗞 🗚	🧐 🔲		
	Display Name	Home Server	Message Court (Normal)	Total Mailbox Size (bytes)
1	MB-MONDO, XENOS	L-SAFFORD-NT4S	₩ 32,790	49,293,031
2	MB-MONDO, IVO	L-PANAMA-NT4S	444	22,713,034
3	MB-MONDO, JOANNA	L-PANAMA-NT4S	444	22,713,034
4	MB-MONDO, KALISTA	L-PANAMA-NT4S	444	22,713,034
5	MB-MONDO, LARISSA	L-PANAMA-NT4S	444	22,713,034
6	MB-MONDO, SEPTEMBER	L-PANAMA-NT4S	444	22,713,034
7	MB-MONDO, NIKITA	L-SAFFORD-NT4S	443	22,702,065
8	MB-MONDO, ZULEMA	L-PANAMA-NT4S	443	22,658,658
9	MB-BEACOUP, AILEEN	L-PANAMA-NT4S	443	22,647,899
10	MB-BEACOUP, BROOK	L-PUEBLA-NT4S	444	22,514,338
11	MB-BEACOUP, DARRYN	L-PUEBLA-NT4S	444	22,416,765
12	MB-BEACOUP, ENRIQUE	L-PUEBLA-NT4S	444	22,416,765
13	MB-BEACOUP, FORREST	L-PUEBLA-NT4S	444	22,416,765
14	MB-BEACOUP, GRIFFIN	L-PUEBLA-NT4S	444	22,416,765
15	MB-BEACOUP, HANNAH	L-PUEBLA-NT4S	444	22,416,765
16	MB-BEACOUP, ILO	L-PUEBLA-NT4S	444	22,416,765
17	MB-BEACOUP, JANINE	L-PUEBLA-NT4S	444	22,416,765
18	MB-BEACOUP, KALISTA	L-PUEBLA-NT4S	444	22,416,765
19	MB-BEACOUP, LENORE	L-PUEBLA-NT4S	444	22,416,765

In the grid, you will see the display name of the MS Exchange user along with information about the **Home Server**, **Message Count** (Normal), and **Total Mailbox Size** (bytes).

You also have the option to sort the data once it has been displayed in the grid. To accomplish this, right-click on the column header that you wish to sort and then select the appropriate sorting method.

<u></u>	🌶 😽 🛷 1 🛅 🚼 🛄 🗳 🎭 🗛 '	۵ 🗊		
	Display Name	Home Server	Message Count (Normal) Total Mailbox Size (I	
1	MB-MONDO, XENOS	L-SAFFORD-NT4S	Search within Message Count (Normal)	,031
2	SystemMailbox(F5F671BC-8507-470 🛛	L-PRESCOTT-NT4S	Sort ascending on Message Count (Normal)	,469
3	Giant Wittrock	L-PUEBLA-NT4S	Sort desociding on Message Count (Normal)	,597
4	MB-BEACOUP, DARRYN	L-PUEBLA-NT4S	Field Info	- ,765
5	MB-MONDO, CATHERINE	L-PUEBLA-NT4S	Heid Info	_,765
6	MB-MONDO, BELANA	L-PUEBLA-NT4S	Resize column to data	,765
7	MB-BEACOUP, QUENTIN	L-PUEBLA-NT4S	Column width	,765
8	MB-MONDO, QUIANA	L-PUEBLA-NT4S	Move column	,765
9	MB-MONDO, DARIUS	L-PUEBLA-NT4S	Lock columns through Message Count (Normal)	,765
10	MB-MONDO, REBECCA	L-PUEBLA-NT4S	444 22,4	16,765
11	MB-BEACOUP, FORREST	L-PUEBLA-NT4S	444 22,4	16,765
12	MB-BEACOUP, SEPTEMBER	L-PUEBLA-NT4S	444 22,4	16,765
13	MB-BEACOUP, TRACEY	L-PUEBLA-NT4S	444 22,4	16,765
14	MB-MONDO, TERESA	L-PUEBLA-NT4S	444 22,4	16,765
15	MB-BEACOUP, URIEL	L-PUEBLA-NT4S	444 22,4	16,765
16	MB-MONDO, PHOEBE	L-PUEBLA-NT4S	444 22,4	16,765
17	MB-BEACOUP, VAUGHN	L-PUEBLA-NT4S	444 22,4	16,765
18	MB-MONDO, ALAN	L-PUEBLA-NT4S	444 22,4	16,765
19	MB-BEACOUP, WALTER	L-PUEBLA-NT4S	444 22,4	16.765

- Note _____

Do not close the **Mailbox Disk Space Utilization Report** dataset. It will be included as part of our next example. If you have already closed this dataset, simply re-run the query.

Exporting the Data

Now we're going to export a query's result to make the information more useful to you. The BindView RMS Console allows you to export a query from Grids, and graphic images of charts.

You can export a dataset or session log in the following formats. Text-based formats are represented by an asterisk (*).

Character-separated values*	Lotus 1-2-3 (WK1)
Microsoft® Access 2000 (MDB)	Lotus 1-2-3 (WK3)
Comma-separated values (CSV)*	Microsoft SQL Server
Crystal Reports® (RPT)	Paginated Text*
dBase IV®	Record style (columns of values)*
Excel 5.0 (XLS)	Rich text format (RTF)*
Excel 7.0 (XLS)	Tab-separated values*
Excel 8.0 (XLS)	Text*
HTML 3.2*	Word for Windows® (DOC)*
Lotus® 1-2-3 (WKS)	

For detailed information on these formats, refer to the BindView RMS Console and Information Server Online help.

In this exercise, we are going to export the current Grid results into an HTML formatted document.

To export a file:

1. From Mailbox Disk Space Utilization Report grid, click the Export

The **Export Settings** dialog appears.

Export Settings	×
Current	
<none> export to <none></none></none>	
Configure	Export
File Name:	
Append To File/Table If It Already	Exists
Manage Export Settings	
Load	Save
Global Default Settings	Global Default Settings
User Default Settings	User Default Settings
Settings from BVD File	Settings to BVD File
Export now OK	Cancel Help

2. Click Configure Export.

The Configure Export dialog appears.

Configure Export		×
Format: HTML 3.2		ОК
Destination Disk file	-	Cancel
		Help

- 3. From the Format drop-down list, select HTML 3.2.
- 4. In the **Destination** box, ensure that **Disk file** is selected.
- 5. Click OK.

The Export Settings dialog reappears.

- 6. In the **File Name** box, click the **Browse** button.
- 7. Enter the desired name and location for the export file.
- 8. Click the **Export Now** button.

When the export has completed, a confirmation message appears.

- 9. Click OK.
- 10. Click **OK** to close the **Export Settings** dialog.

You have just exported your query results to an HTML document. To export to a Microsoft Excel file, follow the same instructions but select Microsoft Excel as the Format.

Charting

Now we're going to create a chart from a query's result to make the information more useful to you.

Charting allows you to graphically display query results. This example shows you how to customize a chart's appearance to display information in the most meaningful way possible.

1. From Mailbox Disk Space Utilization Report grid, click the Chart Builder ulicon.

The Chart Builder Wizard dialog box appears.

Chart Builder Wizard		×
	Welcome to the Chart Builder Wizard builder wizard will lead you through the different steps involved in the creation of your chart. If the current data file contains any saved chart templates, you will be able to select one of those in order to use its settings. To continue, press Next.	
	Don't display this page anymore	
< Back	Next > Finish Cancel Help	

2. Click Next.

The Chart Builder Wizard - Chart Type panel appears.

hart Builder Wizard	×
Chart Type You can choose the type and style of your chart.	
Chat Iype Column	
	elp

- 3. Select the desired chart type. For our example, select the **Column** chart type and the first column display type.
- 4. Ensure that **Histogram** is cleared.
- 5. Click Next.
The **Chart Builder Wizard - Chart Data Source** panel appears. You use this panel to define the data that is displayed on the chart.

Chart Builder Wizard		×
Chart Data Source You can define one or more :	series to be displayed in the chart.	
Series: Total Malibox Size (bytes) <u>Add</u> <u>Remove</u> Category (X) axis labels: Display Name	Series Properties Source field: [Total Maibox Size (bytes) Legend: [Total Maibox Size (bytes)	•
< Back	vext > Finish Cancel	Help

- 6. From the **Source Field** drop-down list, select the **Total Mailbox Size**. This information will appear on the Y-Axis of the chart.
- 7. From the **Category** (**X**) **axis labels** drop-down list, select the **Display Name**. This information will appear along the X-Axis.
- 8. Click Next.

The **Chart Builder Wizard - Chart Titles** panel appears. You use this panel to define the titles that appear on the chart.

Chart Builder Wizard	×
Chart Titles You can specify the different titles that can appear on the chart.	
Chart Title:	
Mailbox Disk Space	
Axis Title:	_
Display Name	
Y Axis Title:	
Mailbox Size	
< <u>Back Next></u> Finish Cancel	Help

- 9. Enter the desired titles for your chart in the appropriate boxes. For our example, in the **Chart Title** box, enter **Mailbox Disk Space**.
- 10. In the Y-Axis Title box, enter Mailbox Size.
- 11. Click Next.

The **Chart Builder Wizard - Chart Legends** panel appears. You use this panel to define the legends that appear on the chart.

Chart Builder Wizard
Chart Legends You can choose the different legend options and locations.
 ✓ Show series legend box Series legend box location: Flight ✓ Show X axis legend box X axis legend box location: Bottom ✓ Enable scroling chart Number of visible columns: 10
<back next=""> Finish Cancel Help</back>

- 12. Select the desired legend check boxes.
- 13. Select the desired position for the selected chart legends.
- 14. Add a scroll bar, if desired, and enter the number of series displayed on the chart at one time.
- 15. Click Finish.

A series chart appears, similar to the one shown below.



Availability and Performance Management (IntelliPACS)

Included with bv-Control® IntelliPACS® are many pre-configured scripts that can be applied to any of your monitored machines. Most of these scripts can be customized as well, which allows you to change the default settings to whatever is appropriate for your network configuration.

- 1. Navigate to the **Scripts** folder from the **BindViewRMS Console** by using the following path: \BindView RMS\bv-Control IntelliPACS\EDBS\Scripts
- 2. Select the **Scripts** folder in the console tree. When you select the **Scripts** folder, all the scripts available on the EDBS appear in the detail pane to the right. The detail pane lists the name, description, and whether or not it is "custom" or "wizard" for each script. You can also select an IntelliPACS folder to display the pre-configured scripts designed for specific systems. The IntelliPACS scripts for Windows NT are shown below.

BindView - [BindView RMS\bv-Control IntelliPACS\EDBS (GPETTIT-TEST)\Managed Resources\Windows NT IntelliPACS]					
🛗 Console 🔟 indow <u>H</u> elp			🖻 🔒 💷 💷 🛎		
Action View Intelli@ACS Eavorites ← → 🗈 🔟 🐰 ங 🗙 📽 🔀 🔂 🖏 😰 🔀 🗊 1 🏦 🐘 🖺 🐁 👘					
Tree Favorites	Windows NT IntelliPACS Total: 25				
BindView RMS	Name 🛆	Description	Туре 🔺		
BindView RMS Configuration BindView RMS Configuration BindView RMS Configuration Figure Research and Control Figure Research and Control Figure Research and Control	 NT CPU Resource NT CPU Utilization NT DNS System Event Log W 	Monitors CPU utilization for User mode, # of proces Monitors the total CPU utilization Monitors for the following DNS System Event Log	Custom Wizard Wizard		
EDBS (GPETTIT-TEST)	NT Failed Logons	Monitors the number of failed logons Monitors the Locator process to check for abnormal	Wizard		
Managed Resources Gauge All Managed Computers Gauge All Managed Computers	NT Logical Disk Activity	Monitors disk activity on one or more disks Monitors for free space on the logical disks	Wizard Wizard		
Alerts	NT Memory Utilization NT Net Logon Service Check NT NetLogon Synchronization	Monitors physical, virtual and paged memory Monitors the status of the Net Logon Service Monitors for NetLogon System Event Logs 5716 on	Wizard Wizard Wizard		
Hereit L-NEVADA-W2KAS Grad Active Directory IntelliPACS Kerneit Exchange Server IntelliPACS	NT NetLogon Synchronization	Monitors for NetLogon System Event Log events 5 Monitors the traffic on the network cards	Wizard Wizard		
Exchange Server IntelliPACS IIS IntelliPACS Windows 2000 IntelliPACS	NT Paging Monitor NT PDC Disk Full Errors Preve	Monitors the paging activity per second Monitors for the SAM and NetLogon Event Log eve	Wizard Wizard		
Windows NT IntelliPACS	1 NT Physical Disk Busy 1 NT Possible Memory Shortage	Monitors the Disk Operation Time and Avg. Disk Q Monitors the # Page Reads per sec and Available	Wizard Wizard		
- 🛃 Alert Configurations - 🛐 Scripts	📔 NT Print Spooler Check 📔 NT Process Monitor	Monitors the status of the Print Spooler service Monitors the total number of processes	Wizard Wizard		
Error Log Console Alert Messages	NT Processor Queue Length	Monitors the # of tasks waiting to be processed Monitors the Security Event Log for security-related	Wizard Custom		
	NT Server Busy NT Server Sessions	Monitors the # Active Sessions and # Files Open Monitors the number of Server Session	Wizard Wizard		
	•				

Note -

Custom type scripts were made by BindView, and cannot be altered. Wizard type scripts can be modified.

Modifying an Existing Script

- 1. **Select** a "wizard" script in the detail pane.
- 2. **Right-click** on it to bring up the action menu.

<u>E</u> xport To File ⊻iew Script
Start to Monitor
Cu <u>t</u> Copy Delete
P <u>r</u> operties
<u>H</u> elp

3. Select **Properties** to bring up the details about the selected script.

The **Properties** dialog has two tabs: a **General** tab that contains the same information for all types of scripts, and a **Details** tab that changes, depending on what the script monitors. The **General** tab is shown below:

Properties	×
General NT	Eventlog
	Script Name: AppLaunchEventLogID0 Description: (up to 100 characters) Sampling Interval Days: Hours: Minutes: 0 = 0 = 5 = Data Storage No. Collected data is not stored.
	OK Cancel Help

On the **General** tab, you can change the name and description of a script. On the **Details** tab, you can change how often it checks for data, and whether or not the data is stored in the database. The **Details** tab also contains different specific information for each type of script, but the structure for all of them is the same.

Shown below is the **Details** tab for an NT Services script.

Properties					×
General NT Serv	rices				
	Startup	State	Action		Freque A
RpcSs	Don't C. 💌 Don't Care	Stopped	Console Alert	Unitical	Every T S
	Automatic Manual				
	Disabled				
•					F
			ОК	Cancel	Help

- 4. Select any of the fields listed, and a drop-down menu will appear, offering different choices for that category. In the example above, the drop-down list shows the options available for the startup state.
- 5. Once you have made the desired changes, click **OK** and the script will be saved with your modifications.

Creating Scripts

You can also create your own scripts to use and modify according to your system's needs. Although the scripts are written in VBScript, it is not necessary to know or understand this language in order to create a script. The Script Generation Wizard will quickly and simply take you through the process of creating a script. The following section will show you how to create a Performance Data script.

Create a Data Script Using the Script Wizard

1. Click on the Script Generation Wizard button



on the tool bar to start the wizard.

The first step in creating a new script is to name it. **Type "Logical Disk Space Low**" as the name for this script. You may also enter a description for the script. **Type "Notifies when the Logical Disk Space available goes below 25 MB**" in the description box, then click **Next**.

Script Generation Wizard	- Step 1 What do you want this script's Name and Description to be? Name:	
	Description:	×
	< <u>Back</u> Next > Cancel	Help

- 2. In the next step you will choose what type of script you are creating, and how often it will poll the computer for data. Select **Performance Data** from the drop-down menu, and specify your **Windows System**.
- 3. You can change the frequency by clicking the arrow buttons on each side of the number fields for the different time intervals. Leave it at five minutes, click **Next**.

Script Generation Wizard S	tep 2 Choose the type of NT System Resources\Data that you want to monitor. Performance Data Performance Data How log you want to monitor this System Resources \Data ? Days Hours 0 0 0 05
	Click Next to continue.
	<u>< ₿</u> ack <u>N</u> ext > Cancel Help

4. The next step asks if you would like to store the data in the database. It is necessary to store data in order to run reports, but for this script we will not store the data. Click **Next** to continue.

Script Generation Wizard -	Collected Data Collected Data No. Do not store any collected data Yes. Store data from each sampling interval. If you say Yes, the data collected in each and every sampling interval is stored in the database. Use this option If you plan to create Historical Trend charts and reports on the data. For e.g for Capacity planning purposes.
	< <u>B</u> ack <u>N</u> ext> Cancel Help

The next step is specific to the Performance Data type of script. The topmost box displays a computer name on which the rest of the boxes will base their information. The default is the computer you are currently working on, but you may select any machine on the network if it has different counters you would like to monitor.

5. This is NOT the machine the script will run on. In the **Object** field, select **LogicalDisk** from the drop-down list. You may also need to select an Instance of the logical disk.

At the bottom of the screen are performance counters that are available, depending upon what object you have selected. For a complete list of the counters and objects, consult Windows NT documentation.

6. Select % Free Space in the Available box, then click Add.

This will move it to the **Selected** box.

7. Click **Next** to continue.

Script Generation Wizard -	Step 4
	Which performance object instance counter(s) do you want to monitor? Enter a computer name to use as a sample resource to help build this script. Sector with the script. Sector with the script. Sector with the script. Announcements Domain's. Announcements Domain's.
	< Back Next > Cancel Help

The last step allows you to set the parameters for the performance counter you will be monitoring. All the counters you have chosen will appear in the box in the middle of the dialog. In this case, only **% Free Space** is shown. In the **Trigger** box, there is a drop-down list that displays common operators, such as greater than, equal to, and less than.

8. Select the **less than** operator.

Below the operator box is the threshold box. This is the number that will be used with the operator to trigger the alert. In this case, we have entered **25**. At the bottom right are the options for sending alerts.

The **Alerting Action** determines what type of alert is sent. The drop-down menu will list all available alerts that are configured. You may only have the console alert, which comes with the product. The **Severity Level** is a drop-down list of seven different levels, which allows you to quickly pick out important alerts in a long list. We will keep this one at **Normal**.

The **Repeat Alerts** box determines whether the alert will be sent just once, when it first occurs, or every time the data is polled. Since we are polling every five minutes, we will select **First Time** so that we do not receive an alert every five minutes.

9. Click **Next** to continue.

Script Generation Wizard	- Step 5 Currently selected obje LogicalDisk / 0/C:	ct/instance		
	Counter	Trigger Value	Alerting Action	Level
	% Free Space	< 25	Console Alert - Firs	
	Trigger Select trigger operato < 2 Threshold jimit 25	r: <u>A</u> letting / Console <u>Severity</u> Normal	Alert	▼ speat Alerts Erst Time Every Time
	<]	<u>B</u> ack <u>N</u> ext	> Cancel	Help

10. The last dialog shows a summary of all the choices you have made while creating the script. Double check to make sure everything is set the way you wanted, then click **Finish** to create the script.

Script Generation Wizard	- Summary				
	Is this the script you want to create? Press Finish to create the script, Back to change the script, or Cancel to stop creating the script.				
	Name: Description: Probe Type: Monitoring: Store Data:	Performance Script Performance Data 0 Days, 0 Hours, 5 Minutes No			
	Selected perform Counter % Free Space	ance counters: Trigger Value Alerting Action Level < 25			
		< <u>B</u> ack Finish Cancel Help			
	1	< Back Finish Cancel Help			

Creating a Group of Scripts

Once you have created several scripts, you may want to organize them so that you can easily remember what type of scripts you have. For example, you may want to put all the scripts that monitor disk space in a script group called Disk Space Scripts.

- 1. Right-click on the Managed Resources folder. This will bring up an action menu.
- 2. Select **Add New Resource**. This will expand to determine what type of resource you will create.
- 3. Select Scripts.



The Add New Scripts Group dialog appears.

The **Name** box allows you to name this group of scripts. In the **Description** box, you can enter a short description of the group of scripts. The **Available** box displays a list of all the scripts that are on the EDBS.

4. Select the script you would like to add to this group, and then click Add.

The script will move to the Selected box. You can add as many scripts as you would like.

- Note -

If you mistakenly add one that you do not want in the group, select it in the **Selected** box and click **Remove** to return it to the **Available** box.

5. When you have selected all the scripts you want in this group, click **Ok** to create the group.

dd new Scripts group			2
Name			
ļ			
Descrip <u>t</u> ion			
J Available		Selected	
Computer Status		Selected	
Exchange Server To C	A <u>d</u> d->		
Exchange Server Direc Exchange Server DS F	<-Remove		
Exchange Server DSA -			
		1	
Ok	Cancel	<u>H</u> elp	

Conclusion

These quick examples barely scratch the surface of what bv-Control for Microsoft Exchange and bv-Control IntelliPACS can provide. By using bv-Control products, it allows you to make the most of each administrator's time and skills by sorting through gigabytes of data to find the few items that meet the specific criterion you are looking for with each report. Unlike other reporting tools, the bv-Control for Microsoft Exchange product then allows Find-and-Fix functionality from within the query results, and click-and-drag Move Mailbox functionality throughout the Microsoft Exchange organization.

Contacting BindView

BindView has sales and support offices around the world. For information on contacting BindView, please refer to the information below or to the BindView Web site:

• www.bindview.com

Technical Support is available Monday through Friday from 7:00 a.m. to 7:00 p.m. Central Time. Normal working hours for all other departments are 9:00 a.m. to 6:00 p.m.

Phone				
Sales and Customer	U.S. and Canada 800-813-5869			
Service	Outside N. America	713-561-4000		
Technical Support	U.S. and Canada	800-813-5867		
	Outside N. America	713-561-4000		
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Fax	All Areas	713-561-1000		
E-mail				
Sales	sales@bindview.com			
Technical Support	support@bindview.com			
Training	edu@bindview.com			
Documentation	docs@bindview.com			
Other				
FTP Site	ftp://ftp.bindview.com			
Internet	www.bindview.com			
Postal Mail		BindView Felipe, Suite 2500 Iouston, TX 77056		