BIND VIEW® Insight at Work

Evaluation Guide

bv-Control® for NetWare®

Policy Compliance | Vulnerability Management | Directory Administration & Migration

bv-Control®
for NetWare® v8.00

Evaluation Guide

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

COPYRIGHT

Copyright © 2004 BindView Corporation. All rights reserved. BindView Corporation is a business name of BindView Development Corporation. Information in this document is subject to change and revision without notice. The software described herein may only be used and copied as outlined in the Software License Agreement. No part of this manual may be reproduced by any means, electronic or mechanical, for any purpose other than the purchaser's personal use, without prior written permission from BindView Corporation.

BINDVIEW CORPORATION PROVIDES THIS DOCUMENTATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL BINDVIEW CORPORATION BE LIABLE FOR ANY LOSS OF PROFITS, LOSS OF BUSINESS, LOSS OF USE OR DATA, INTERRUPTION OF BUSINESS, OR FOR DAMAGES OF ANY KIND, EVEN IF BINDVIEW CORPORATION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES ARISING FROM ANY DEFECT OR ERROR IN THIS DOCUMENTATION.

BindView Corporation may revise this publication from time to time without notice. Because some jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damages, the above limitations may not apply. BindView Corporation's liability for actual damages from any cause whatsoever, and regardless of the form of the action (whether in contract, tort (including negligence), product liability or otherwise) will be limited to $50.00 U.S.

TRADEMARK NOTES

BindView, the BindView logo, and the BindView product names used in this document are trademarks of BindView Corporation and may be registered in one or more jurisdictions.

The names of products of other companies mentioned in this document, if any, may be the registered or unregistered trademarks of the owners of the products.

July 2004

© 2004 BindView Corporation. All rights reserved.

© 2004 BindView Corporation. All rights reserved.

Contents

Introduction 9
Features Overview 10
Reducing the Cost of Administering the Network 11
Scenario 1 Site Standards 11
Performing Enterprise-Wide Security Assessment 15
Scenario 2 Trustees of the File System 15
Tracking Configuration Standards 17
Scenario 3 NLMs Loaded 17
Analyzing Disk Space 18
Scenario 4 Volume Information 18
Conclusion 20
Contacting BindView 21

© 2004 BindView Corporation. All rights reserved.

© 2004 BindView Corporation. All rights reserved.

Introduction

bv-Control® for NetWare®, part of the BindView Vulnerability Management family of solutions, helps security and network administrators proactively administer and secure the safety and reliability of their NetWare servers. It also provides in-depth reporting and closed-loop problem identification and remediation. Using bv-Control for NetWare, you can quickly and easily identify risks to the security and integrity of your enterprise, including security assessment, server policy compliance, storage management, and documentation for disaster recovery. Utilizing a three-phase approach, bv-Control for NetWare assesses the security configuration of your NetWare servers, then audits the system to check policy compliance, and then administers the automatic remediation of any abnormalities that are found.

About This Guide

This bv-Control for NetWare Evaluation Guide is designed to guide you through an evaluation process that demonstrates key features of this product. After installing and configuring bv-Control for NetWare, you can proceed through scenarios that are intended to give you a brief, hands-on tour of specific functionality highlights.

© 2004 BindView Corporation. All rights reserved.

Features Overview

The following chart provides a quick overview of the key features of bv-Control for NetWare and how the product can help you administer and secure your NetWare servers:

Features	Benefits
	Reduces Costs of Administering the Network
Pre-Defined Reports	bv-Control for NetWare includes over 600 out-of-the-box reports to help you identify conditions that threaten enterprise security, including security assessment, server policy compliance, storage management, and documentation for disaster recovery. With these reports, you can decrease downtime and save money by rendering obsolete the many tools that were once needed to do the same job.
Custom Reports	The query-based interface allows you to easily build custom queries that are specific to particular corporate policies and procedures.
	Performs Enterprise-Wide Security Assessment and Enforcement
Effective Rights Analysis	You can identify who has access to data, how it was obtained, and whether servers are configured against the latest vulnerabilities.
Easy-to-View Reports	After performing an effective rights analysis on your NetWare file system you can view a report that identifies the person with access and states where that person's rights were obtained. You can also obtain a report that documents the configuration of all your NetWare servers.
	Employs Technology to Create and Track Configuration Standards
Site Standards	Create Gold standards, or templates, for comparison purposes to promote standard compliance. For example, you can create a template for all NLM files and then compare NLM files across the enterprise. You can also compare all set variables and any particular directory structure.
	Enables Disk Space Analysis and Management
Disk Space Analysis	Identify how much space is available and how much is in use for all volumes, find stale or unused user accounts and delete them, and find and delete inappropriate files in users' home directories.
	Simplifies Documentation and Data Analysis
Discrepancy Analysis	Using baselining technology, bv-Control for NetWare documents the configuration of file servers and then allows administrators to run reports against the initial baseline reports to show only the configuration changes.
Offline Data Storage	Reduce the costs associated with continuously analyzing the data for discrepancies by enabling offline data storage technology. Administrators can view the enterprise from a historical perspective for future planning.

© 2004 BindView Corporation. All rights reserved.

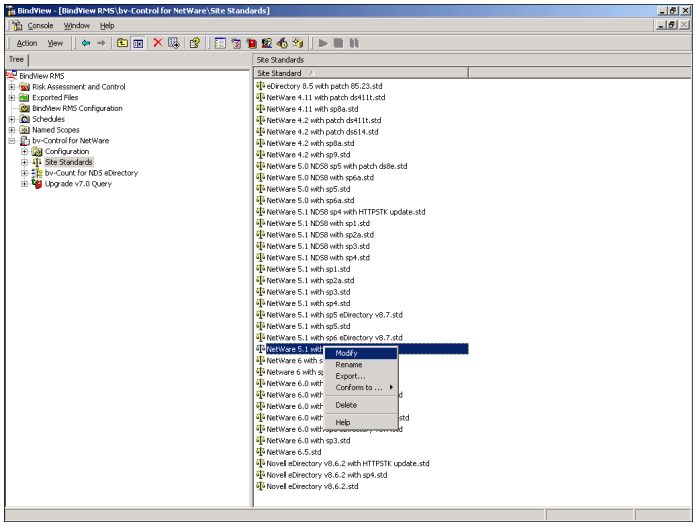
Reducing the Cost of Administering the Network

Scenario 1: Site Standards

Site Standards are definitions which exist in the RMS Console that can be compared to NetWare Servers or NDS Groups and Users. This scenario demonstrates the NetWare Site Standards settings and illustrates how to report on those settings as they compare to NetWare Servers.

▶ *To view the settings for a Site Standard*

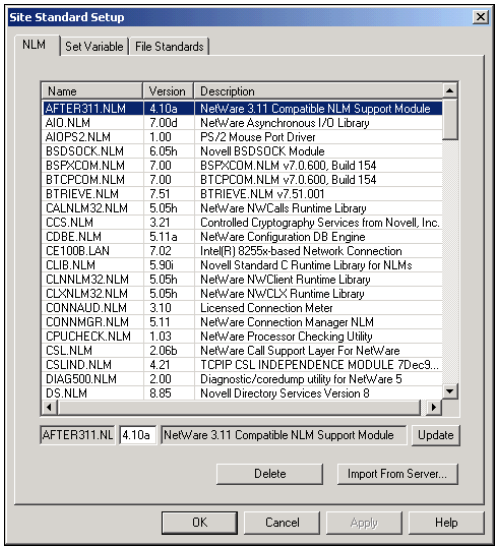
1 Access the **Site Standards** node in the left pane by using the following path: **BindView RMS>bv-Control for NetWare>Site Standards.**



2 Select a Site Standard which is appropriate to your enterprise from the list of **Site Standards** in the right-hand pane by clicking it.

3 Right-click the Site Standard you have selected and choose **Modify** from the sub-menu.

The **Site Standard Setup** dialog appears.



4 Take a moment to investigate the settings listed on each of the three tabs.

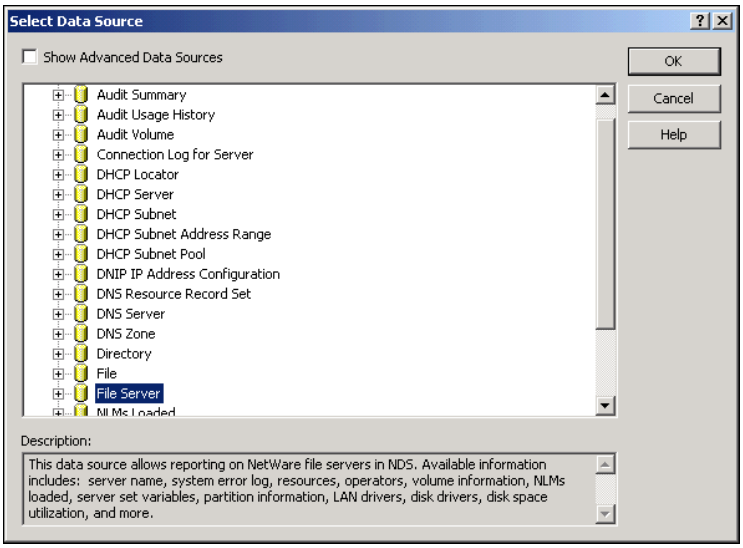
© 2004 BindView Corporation. All rights reserved.

5 Close the dialog when you have finished investigating the various settings.

▶ *To query a Site Standard*

6 Create a new query by clicking the **Create Query** icon in the BindView product toolbar.

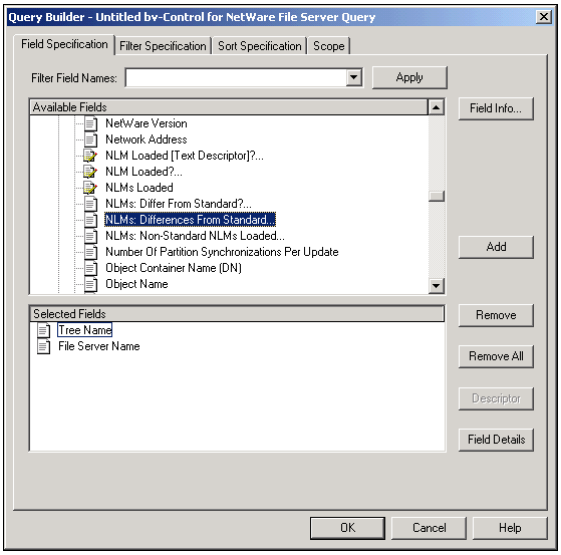
The **Select Data Source** dialog appears.



7 Select the **File Server** datasource from the list.

8 Click **OK**.

The **Query Builder** dialog appears.

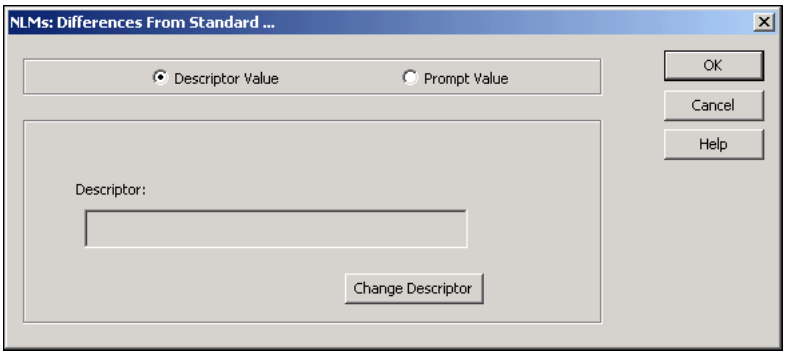


9 From the **Field Specification** tab, expand the **All Fields** folder and select the **NLMs: Differences From Standard** field.

10 Click **Add**.

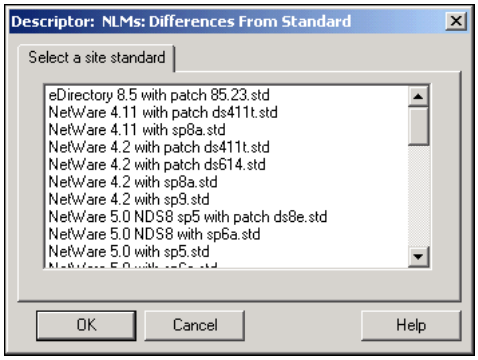
© 2004 BindView Corporation. All rights reserved.

The **NLMs: Differences From Standard** dialog appears.



11 Click **Change Descriptor**.

The **Descriptor: NLMs: Differences from Standard** dialog appears.

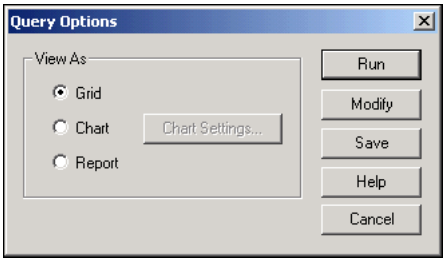


12 Select the appropriate Site Standard and click **OK**.

13 Click **OK** in the **NLMs: Differences From Standard** dialog.

14 Click **OK** in the **Query Builder** dialog.

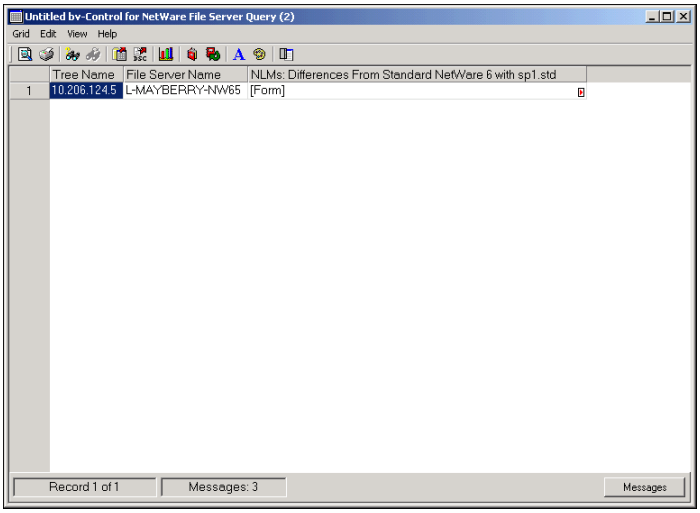
The **Query Options** dialog appears.



15 Click **Run** with the **View As Grid** option selected.

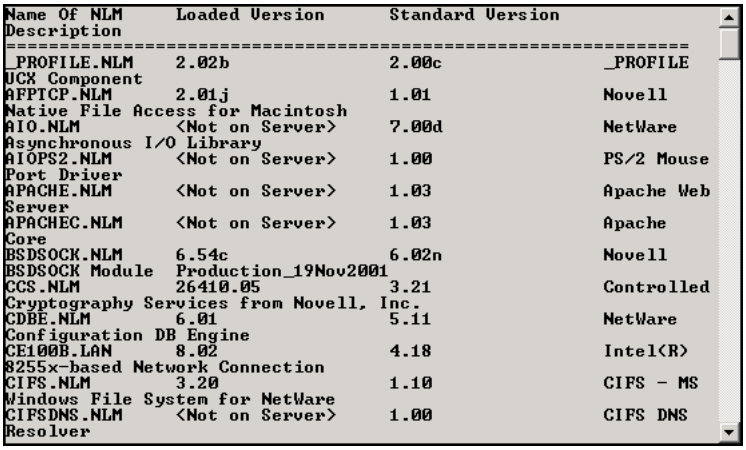
© 2004 BindView Corporation. All rights reserved.

The query executes and the dataset appears.



16 Pause the mouse cursor over the red arrow in the **NLMs: Differences From Standard** field.

The expanded report appears.



```
Name Of NLM     Loaded Version      Standard Version
Description
================================================================
_PROFILE.NLM    2.02b               2.00c               _PROFILE
UCX Component
AFPTCP.NLM      2.01j               1.01                Novell
Native File Access for Macintosh
AIO.NLM         <Not on Server>     7.00d               NetWare
Asynchronous I/O Library
AIOPS2.NLM      <Not on Server>     1.00                PS/2 Mouse
Port Driver
APACHE.NLM      <Not on Server>     1.03                Apache Web
Server
APACHEC.NLM     <Not on Server>     1.03                Apache
Core
BSDSOCK.NLM     6.54c               6.02n               Novell
BSDSOCK Module  Production_19Nov2001
CCS.NLM         26410.05            3.21                Controlled
Cryptography Services from Novell, Inc.
CDBE.NLM        6.01                5.11                NetWare
Configuration DB Engine
CE100B.LAN      8.02                4.18                Intel(R)
8255x-based Network Connection
CIFS.NLM        3.20                1.10                CIFS - MS
Windows File System for NetWare
CIFSDNS.NLM     <Not on Server>     1.00                CIFS DNS
Resolver
```

The expanded report displays the name of the NLM as well as the differences between the version defined in the Site Standard and the version loaded on the server.

It is also possible to propagate the settings of the NetWare Site Standard to the servers which do not comply, allowing administrators to update NLMs, files and Set Variables across the enterprise from a central location. For more information, see the *bv-Control for NetWare User Guide.*

17 Close the dataset without saving.

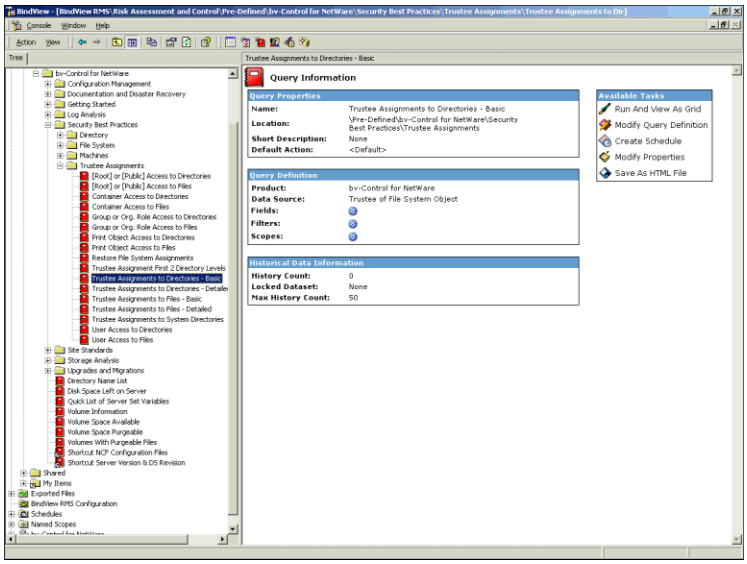
© 2004 BindView Corporation. All rights reserved.

Performing Enterprise-Wide Security Assessment

Scenario 2: Trustees of the File System

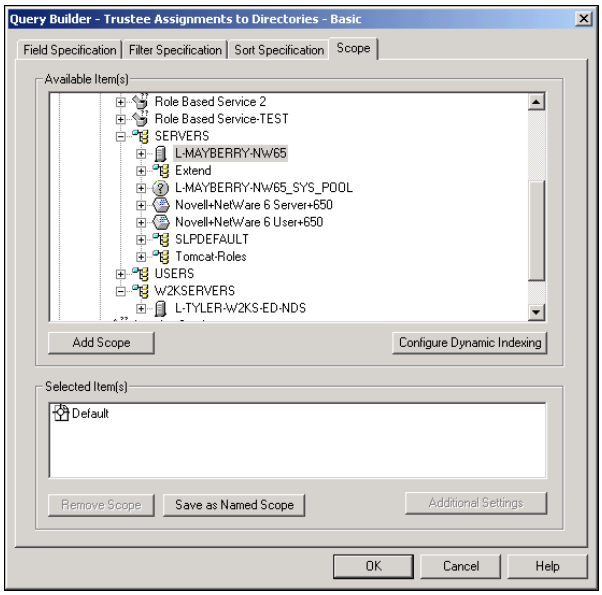
This scenario illustrates the procedure for reporting on trustees of the file system.

1 Navigate to the **Trustee Assignments to Directories - Basic** pre-defined query in the **BindView RMS** folder by using the following path: **BindView RMS>Risk Assessment and Control>Pre-Defined>bv-Control for NetWare>Security Best Practices>Trustee Assignments>Trustee Assignments to Directories - Basic**.



2 Right-click the query to access the sub-menu and select **Settings>Query Definition**.

The **Query Builder** dialog appears.



3 Click the **Scope** tab.

4 Drill down through your tree structure and select a server.

© 2004 BindView Corporation. All rights reserved.

Note: The query can be run on all servers. However, for the purposes of this scenario, a single server will be selected.

5 Click **Add Scope**.

The server you have selected appears in the **Selected Items** pane.

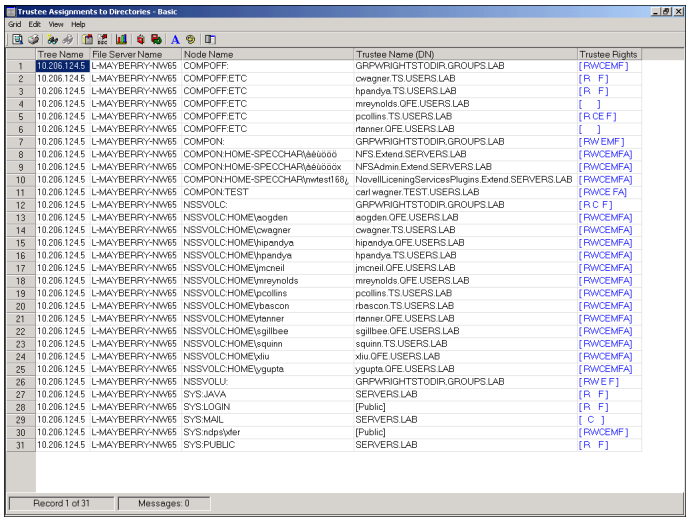
6 Click **OK**.

The **Query Options** dialog appears.

7 Click **Run** with the **View As Grid** option selected.

8 Click **NO** when a dialog appears asking if you wish to save the modified query.

The query executes and the **Trustee Assignments to Directories - Basic** appears.



The dataset displayed lists the nodes consisting of the directories or files if file level rights have been applied. It also lists objects that have been given rights, along with a detail of those rights.

9 Close the window without saving the dataset.

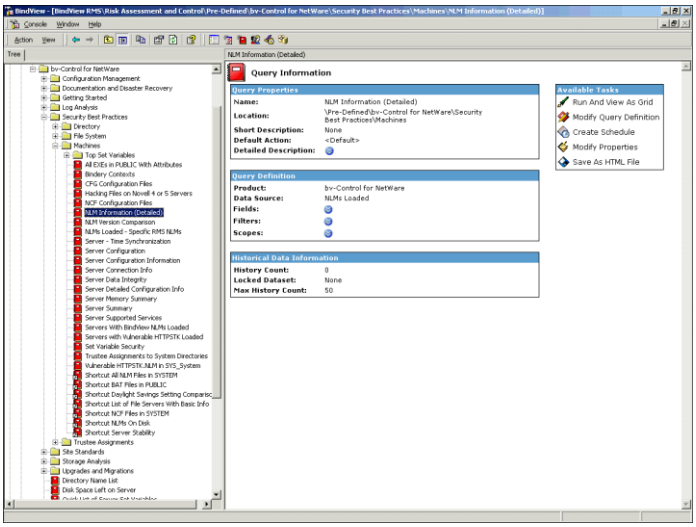
© 2004 BindView Corporation. All rights reserved.

Tracking Configuration Standards

Scenario 3: NLMs Loaded

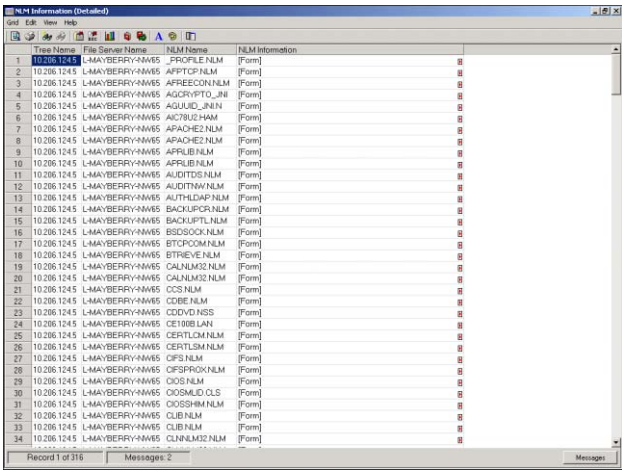
It is important to know which NLMs which are loaded on a NetWare server, along with their versions. This scenario will assist you in documenting those NLMs. You may consider baselining these NLMs as part of your change management.

1 Navigate to the **NLM Information (Detailed)** pre-defined query in the **BindView RMS** folder by using the following path: **BindView RMS>Risk Assessment and Control>PreDefined>bv-Control for NetWare>Security Best Practices>Machines>NLM Information (Detailed)**.



2 Right-click the query and select **Run>And View As Grid** from the sub-menu. Alternatively, you may select the **Run and View As Grid** link in the right-hand pane.

The **Task Status** dialog appears and the task executes. When the task has completed executing, the **NLM Information (Detailed)** dataset appears.



3 Click the **Dynamically display forms and lists** icon in the toolbar to alter how the information is displayed.

4 Close the dataset without saving.

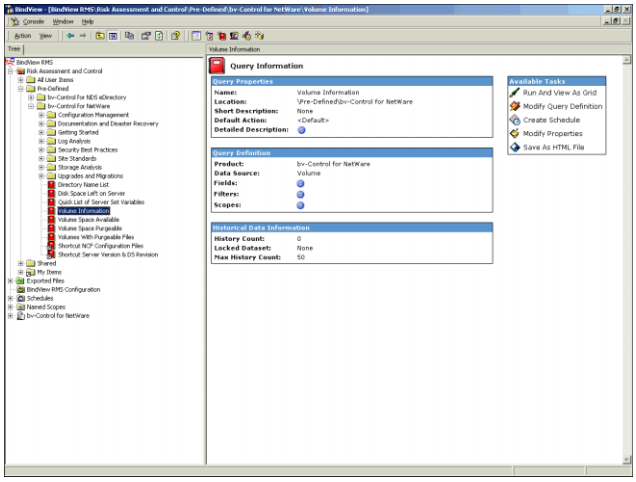
© 2004 BindView Corporation. All rights reserved.

Analyzing Disk Space

Scenario 4: Volume Information

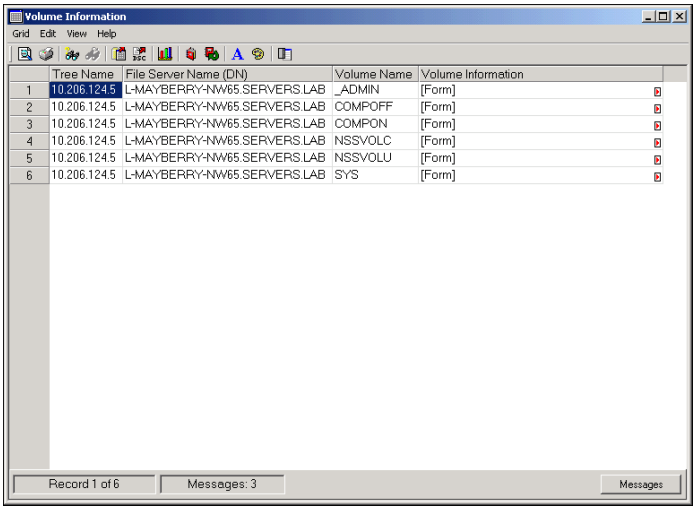
It may become necessary to document various parameters of volume information. It is certainly important to ensure that volumes have adequate space, especially **SYS:**, which can cause *abends* if it becomes low on space.

1 Navigate to the **Volume Information** pre-defined query in the **BindView RMS** folder by using the following path: **BindView RMS>Risk Assessment and Control>Pre-Defined>bv-Control for NetWare>Volume Information**.



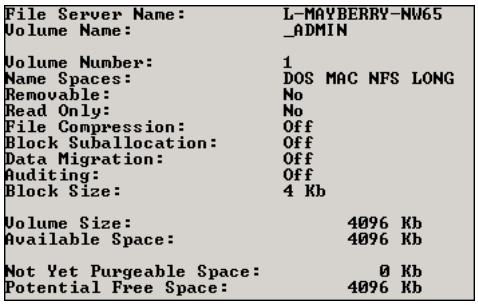
2 Right-click the query and select **Run>And View As Grid** from the sub-menu. Alternatively, you may select the **Run and View As Grid** link in the right-hand pane.

The **Volume Information** dataset appears.



© 2004 BindView Corporation. All rights reserved.

3 Click the red arrow in the **Volume Information** column to view expanded information about the server.



File Server Name:	L-MAYBERRY-NW65
Volume Name:	_ADMIN
Volume Number:	1
Name Spaces:	DOS MAC NFS LONG
Removable:	No
Read Only:	No
File Compression:	Off
Block Suballocation:	Off
Data Migration:	Off
Auditing:	Off
Block Size:	4 Kb
Volume Size:	4096 Kb
Available Space:	4096 Kb
Not Yet Purgeable Space:	0 Kb
Potential Free Space:	4096 Kb

© 2004 BindView Corporation. All rights reserved.

Conclusion

The information provided in this Evaluation Guide covers only a few of the features of bv-Control for NetWare. However, the scenarios give you an idea of how bv-Control for NetWare can help you administer and secure the safety and reliability of your NetWare servers. As part of the BindView Vulnerability Management solutions family, bv-Control for NetWare assists organizations in properly configuring and protecting their NetWare environment, avoiding unplanned downtime and realizing a desired return on IT investments.

© 2004 BindView Corporation. All rights reserved.

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***

For Technical Support: ***www.bindview.com/support***

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 Service	U.S. and Canada	800-813-5869
	Outside N. America	713-561-4000
Technical Support	U.S. and Canada	800-813-5867
	Outside N. America	713-561-4000
Training/Professional Service	U.S. and Canada	800-749-8439
	Outside N. America	713-561-4000

Fax	All Areas	713-561-1000

E-mail	
Sales	sales@bindview.com
Training	edu@bindview.com
Documentation	docs@bindview.com

Other	
FTP Site	ftp://ftp.bindview.com
Internet	www.bindview.com
Postal Mail	BindView 5151 San Felipe, Suite 2500 Houston, TX 77056

© 2004 BindView Corporation. All rights reserved.

© 2004 BindView Corporation. All rights reserved.