

# <u>Contents</u>

OVERVIEW	3
SYSTEM REQUIREMENTS	3
PREPARATION	4
POA SOAP Configuration	5
Installation	6
SETUP AND CONFIGURATION	9
INTERFACE	10
USE	11
SINGLE USER MODE	12
USER AND OBJECT CREATION	12
USER PROPERTIES	14
ADDRESS BOOK	14
CATEGORIES	15
CUSTOM FIELDS	15
ENVIRONMENT	15
GENERAL	16
FILE LOCATION	16
CLEANUP	17
SIGNATURE	17
FOLDERS	
JUNK MAIL	
DISK SPACE MANAGEMENT	19
MAILBOX SIZE	19
JUNK MAIL HANDLING	20
PROXY ACCESS	21
RULES	22
MULTIPLE USER MODE	23
REPORTS	25
WEB TOOL INTEGRATION	26
APPLICATION	27
CHECKING AND GRANTING PROXY RIGHTS	28
GENERATING REPORTS	31
RULE PROPAGATION	32
BLOCK AND JUNK MAIL LISTS	34
LICENSING	
LOG FILES	
SEND LOG FILES TO SUPPORT	
AUDITING SUPPORT	
Appendix	
SAMBA INSTALLATION: OES, OES2	
TRUSTED APPLICATION KEY	48

### Overview

Vertigo was designed to provide a simplified but powerful interface for managing GroupWise systems from a single to multi user level. It combines the everyday abilities of ConsoleOne with individual configuration options of a GroupWise mailbox on a mass or single user level into one clear, concise application.

Vertigo displays the GroupWise system to be viewed much like a file browser. On the left hand side is a tree view of the GroupWise system, domain(s), and post office(s) with their respective users, lists, and groups. The right hand side of the screen displays information on the selected object or user and allows configuration of settings.

# System Requirements

Minimum:

Microsoft Windows Server 2008, Server 2012, or Windows 7 Microsoft .NET Framework 4.0 GroupWise 7 SP 3 or later with Win 32 Client Novell client (GroupWise 2014 does not require the Novell client)

#### NOTE:

GroupWise 2014 changed the way administration is handled and subsequently certain features will no longer be available in Vertigo. (Such as document management.) Features which are not available for GroupWise 2014 will be grayed-out.

### Preparation

Pre-installation and pre-configuration:

- Workstation must have the Novell Client installed. (GW 2014 systems do not require the Novell client.)
- Make sure that SOAP is enabled on the POA
- Know the address of the POA
- Know the active open ports for SOAP
- Have access to the domain database from the computer on which you are installing Vertigo. (Linux systems require a mapped drive through a Samba share.)
- Administrator access to the primary GroupWise wpdomain.db database (Authenticated as Admin through the Novell client to the GroupWise system)
- Obtain / download the latest version of Vertigo

(GroupWise 2014 does not require access to the domain database or the Novell client, only an administrator account logged into the Win. 32 client.)

### **Obtaining Vertigo**

With the browser of your choice and browse to <a href="http://www.gwava.com/products/dev\_downloadform.php">http://www.gwava.com/products/dev\_downloadform.php</a>.

Fill out the information form and select Vertigo from the list. Agree to the evaluation license agreement. Click the 'Try' icon to download Vertigo



Save the download file.

### POA SOAP SETTINGS

To enable SOAP on post offices, and to check the active SOAP port in ConsoleOne, select the Group-Wise System and select the Post Office Agent from the view filter at the top.

From here, double click on the POA to access the properties, or right-click and select properties.



roperties of POA		la tha much anti-		
GroupWise ▼ NDS Rights ▼ Other I Agent Settings	Rights to Files and Folders	lect Agent Settings	under the GroupWis	se tab, se-
Message File Processing: Message Handler Threads: IV Enable TCP/IP (for Client/Server)	All <u>▼</u> 6 <b>€</b>	· ·	led, enable SOAP an to 20 (current max o	
TCP Handler Threads:	6			
Max Physical Connections:	1024 🚔			
Max App Connections:	2048 🚔			
🔽 Enable Caching				
CPU Utilization (NetWare):	85 🚔 percent	Properties of PO	A	
Delay Time (NetWare):	100 🚔 milliseconds	GroupWise 🔻	NDS Rights 👻 Other	Rights to File
Max Thread Usage for Priming and Moves:	20 🚔 percent	Network Address	ji i	
🔽 Enable IMAP		TCP/IP Address:		10.1.1.101
Max IMAP Threads:	50 🚔	Proxy Server Add	reco	
T Enable SOAP			1033.	-
Max SOAP Threads:	20 🚔	IPX/SPX Address:		
		Bind Exclusive	ly to TCP/IP Address	
			2.2	

Under the same GroupWise tab, select Network Address.

The default SOAP port is 7191, but you can set this to whatever you like.

	Port	SSL
Message Transfer:	7101 🖨	Disabled 💌
HTTP:	7181 🖨	Disabled 💌
Local Intranet Client/Server:	1677 韋	Disabled 💌
Internet Proxy Client/Server:	0 🖨	Disabled 💌
IMAP:	142 🖨	Disabled 💌
SOAP:	7191 🚔	Disabled 💌

# Installation

Locate and run the Vertigo install file that you downloaded, or select Run from the download manager of your browser.

If you are challenged by the security warning, click Run to start the install.

Wait for the setup window to initialize.



Agree to the license agreement and click Next.

岗 Vertigo 2.0 Setup	
End-User License Agreement	
Please read the following license agreement carefully	<b>A</b>
GWAVA Inc.	<u>^</u>
Software License Agreement	
THE FOLLOWING CONSTITUTES THE USER AND SOFTWARE LICENSE AGREEMENT THAT IS ATTACHED TO THE SOFTWARE	
THAT YOU ARE ABOUT TO DOWNLOAD.	
BEFORE CLICKING THE "ACCEPT" BUTTON OR USING THE	
SOFTWARE, PLEASE READ THE FOREGOING TERMS AND	
☑ I accept the terms in the License Agreement	
Print Back Next	Cancel
LICENSE AGREEMENT THAT IS ATTACHED TO THE SOFTWARE THAT YOU ARE ABOUT TO DOWNLOAD. BEFORE CLICKING THE "ACCEPT" BUTTON OR USING THE SOFTWARE, PLEASE READ THE FOREGOING TERMS AND	Cancel

Vertigo allows you to select the install location. By default, Vertigo will be installed to the path shown.

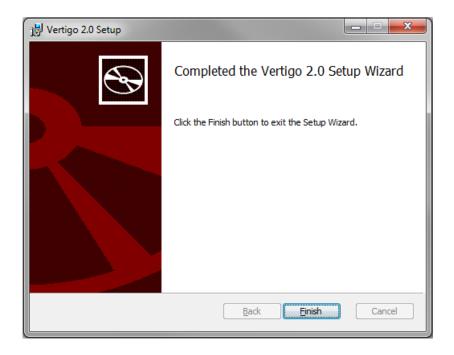
谩 Vertigo 2.0 Setup	<b>— — X</b>
Destination Folder Click Next to install to the default folder or click Change to choose another.	
Install Vertigo 2.0 to:	
C:\Program Files (x86)\GWAVA\Vertigo 2.0\ Change	
Back Next	Cancel

If you wish to change this, clicking Change opens a basic browse-to window for you to select a new install location. Now that Vertigo has gathered the required information for the install, you can continue.

Vertigo will not start the install process until you click Install on the following installation window.

늻 Vertigo 2.0 Setup	
Ready to install Vertigo 2.0	Ð
Click Install to begin the installation. Click Back to review or change any of your installation settings. Click Cancel to exit the wizard.	
Back	Cancel

Click Finish to complete the installation process.



# Setup and Configuration

Vertigo needs to know where to find your GroupWise post office and domain database so it can synchronize settings and changes in the system.

GWAVA Vertig	D	
File Actions S		
🛛 🔕 Connect to	GW System  Refresh Sys	tem View 🚨 Single User Mode
Co	nnect to GW System	

Start Vertigo. The system will show up blank because it has no connection to the system.

#### Click connect to GW system

Enter in the correct server address and ports for the POA, SOAP, or REST. (The default SOAP port is 7191, and the default POA port is 1677, REST is 9210) Click 'Ok' to connect. For REST with GW 2014, input the admin username and password, and later, the trusted application key. (For instructions on how to create the trusted application key, see http://support2.gwava.com/kb/? View=entry&EntryID=2055 )

😸 GWAVA Vertigo	
Connect to your Grou Enter the required information below	pWise system
Step 1: Configure the connection settings	
GroupWise POA IP address or DNS name:	10.1.11.112
POA port:	1677 🚔 💿 Enable SOAP (GW07-GW12)
SOAP port:	7191 🚔 Enable SOAP over SSL
REST port:	9710 🐑 💿 Enable REST (GW14)
REST connection string:	https://10.1.11.112:9710/gwadmin-service/
Step 2: Choose your connection method to the	domain Cache Path:
Live	
Cached	Let a construct the second sec
Step 3: Configure the REST Authentication	
Admin Username: Kendell	Admin Password: Save Login
	0k Cancel

You are now connected to your system and have the ability to view and change settings. (If you are connecting through a Samba share to a sles 10.1 or other Linux server, check the appropriate box) Cache connect creates a cache file in the domain directory of the GroupWise system tree. If any changes have been made to the GroupWise system, (new users, new post offices, new domain, etc...), then Live mode will need to be used to view and manage these new objects, after which, Cache Connect mode can be used again. Otherwise, Cache Connect mode will speed up the initial load process of Vertigo.

### Interface

Vertigo splits the view of the system into two parts. The left side of the screen holds objects, users, resources, and lists while the right side has the information tied to any object selected. The left side of the window, the tree view, is only used for selecting objects to modify. Objects cannot be moved, and cannot be modified on this side of the screen.

The right side of the window holds all of the information on the object selected and allows modification. You must first select an object, (even if previously highlighted), before you can access, edit, view the object, rule, setting, or information.

Vertigo				
File Actions Settings Help				
👔 🔞 Connect to GW system 🛛 🍣 Refresh System View 🤱 Si	ngle User Mode  Multi-L	lser Mode 🛛 Print 😳 Export items 💂		
Image: Second	System Properties Distri System Propertie	bution Lists Resources Nicknames Users G s ry property of your GroupWise system. You can		
			Apply	Refresh
Live connection for: bitterbomb to: Z:\dom-7.02\	PL	GroupWise Client: 7.0.2.561		

The right side of the screen allows access to configuration through selectable tabs across the top of the right side and sub-tabs. When large amounts of information is displayed, it is formed into a 'grid' view, which allows customization according to columns, as well as custom filters. To access or act on the information shown in a grid, you must first select it with the mouse, once selected, you can edit, view, or organize the information.

Using the mouse right-click is a quick and effective way of accessing different options for configuration and organizing the information, (especially in grids), by adding or removing filtering criteria or organizing by columns. To access these options, you need to right click in the grid area. The right-click also allows the administrative user to quickly generate reports and export data to .xls, .pdf, .xps, or plain text formats.

### Use

Now we are connected, we can begin managing the GroupWise system. To view or edit the properties of any user, group, or list, you must first select them in the tree view.

User Properties   Addre	ss Books Categories Custom Fields Environment Folders Junk Mail Juni	ik Mail Handling
administrator adminanator) CDowell	s vvery property of a user. You can review them, but also change them according	ıgly.
orenson) Details for:		
Blunt) Given Name:		
(Fansom) sir) Last Name:	McDowell	
nith) Object ID: (Ramen Premium)	4FCE4900-0F66-0000-807F-58CD10D38315	
Rules) Distinguished Name:		
well) Department:		
FID:	tf6 Disable Logins External Entity	
Gateway Access: Expiration Date:	Enable	01
Nicknames:		Clear
Phone Number:		
Fax number:		
Visibility:	System 💌	
Freeform Internet Add	Jress:	
Resources:	×	
Title:		
Enter new password:		Clear Password
Verify password:		Change Password
50.94		

The power of Vertigo lies in its ability to organize data into a viewable and easily manipulated format. The data window on the right side is setup to work with a set of tabs to generally categorize data, which can be narrowed down through the use of columns and criteria to the information that is desired. Again, the right-click menu in the information fields of the different tabs exposes options that would not otherwise be seen.

The **Report** views in **Multi-User Mode** may require you to click **Generate** to create the list of information before anything will be propagated into Vertigo's display.

When changes are made, the Apply changes button must be selected before switching the view for changes to be applied to the database. If the view is changed or a different user is selected before changes are applied, changes will be lost. Changes and settings will also be reverted to what is in the database by selecting the **Refresh** button as this polls the database for settings. Depending on system speed and the connection to the domain database, changes may take some time to be applied. *Vertigo is currently unable to change settings that were locked in ConsoleOne.* 

# Single User Mode

To use **Single User Mode**, select the mode button along the toolbar at the top of the program window and select a user to view or edit. Here we have selected the Admin user and are looking at the user properties, which is the default view when a user is first selected.

📕 Vertigo				_ 7 🛛
File Actions Settings Help	Single User Mode 🤐 Multi-U	lser Mode 🌀 Print 🎯 Export items	-	
bitterbomb     om-702     op-702     op-702     comin (administrator adminanator)     comin (McDowell)	<b>W</b> ser Properties	Books Categories Custom Fields En		Junk Mail Handling Proxy Acce: < >
Craig (Sorenson) David (Brance) Frank (Blunt)	Details for: Given Name:	1		
- George (Fansom) - Gosh (Fair) - Glindy (Smith) - Glindy (Smith) - Glinamen (Ramen Premium)	Last Name: Object ID:	McDowell 4FCE4900-0F66-0000-807F-58CD1	0D38315	
- 5 Rules (Rules) - 5 Tom (Orwell) - 6 Contain	Distinguished Name: Department: FID:	tf6 Disable b	ogins 🗌 External Entity	
	Gateway Access: Expiration Date:		v	Clear
	Nicknames:		~	

The different configuration tabs listed across the top of the information field allow access to the different facets of the GroupWise system. You may need to use the scroll buttons along the tab bar to access all of the tab functions.

### User and Object Creation

Vertigo supports Object creation and Distribution list management as well as User management. To create a new user or object, select the Post Office where the user is to be created and right-click on the post office or in the user tree below the selected Post Office.

From the right-click menu, select the object type you wish to create, (User, Distribution list, Resource, or External Entity).

🔇 bitterbomb				Post Office Properties Docume
🖃 🔂 dom-702				D     D
🖃 🧤 po-702				🥑 Document Properties M
admin (ad	ministrator adminanator)			Click on a Library or Look
🔤 🔚 🔚 🔚 🔚	owell)			
🗧 🔚 🔚 🔚 🔚	enson)			Details for:
🔤 🧟 David (Bra	ince)			
🛛 🧵 Frank (Blu	nt)			
📲 George (E	ansom	_		
💈 Josh	Collapse All			
a lindy Bame	Expand All			
🚪 Rule:	New		c c	reate New Distribution List
🛛 🖁 Tom 🖵	Search	3	с	reate New External Entity
	Show Distribution Lists	۲	С	reate New Resource
🗄 👰 markı 🔽	Show External Entities	8	С	reate New User
🕀 🧱 PR 🕀 🍖 Sales 🗹	Show Resources			
$\checkmark$	Show Users			

Depending on the type of object you wish to create, you will be confronted with a different properties window.

To complete creation, you must fill out all the required information, (the FID is optional for User creation), and select the container for the object.

The NDS selector window requires you to double-click on objects to expand them.

🗯 New User			
Create I Create I	N <b>ew User</b> <sup>below:</sup>		
Details:			
Name: Given Name:	1		
Surname:			
FID (optional): Container:			
Password:			
Retype password:			
		Ok	Cancel

MDS Selector	_ 🗆 🔀
WDS Selector Select node below:	
NDS Selector NDS NDS NDS NDS BITBOMBTREE Server Server Server Server Server Server Server Server Server Server Server	
Refresh Ok	Cancel

After you have selected the container and filled-out the required information, the object will be created.

To set the password or change other settings for the object, (like adding members to a Distribution list), select them from the GroupWise tree to bring up the properties of that object, and modify the appropriate setting in the

information window. (This will be handled later in the guide.)

To add members to a distribution list highlight the list from the tree view, select **Add Member**, and choose the desired members from the address book list.

🔇 bitterbomb	Distribution List Properties		
⊖- <u>50</u> dom-702 ⊖-0 <sub>20</sub> po-702	Ø Distribution List Prop	erties	
	Below you find every p	roperty of a distribution list.	
craig (Sorenson)	Details for: accounting		
	Distinguished Name:	accounting,users.bitbomb	
George (Fansom)	Post Office:	dom-702.po-702	
Josh (Fair)	Description:		
Rules (Rules)	Visibility:	Post Office	
Tom (Orwell)			
Econtain	Membership:		
🚉 George Random	Name 😽 Domain	😙 Post Office 😙 Visibility 🌱 First Nar	ne 😙 Last Na 🛛 Add Member
🕀 🧱 marketing	chris dom-702	po-702 System	McDow
🕀 🧱 PR 🕀 🎘 Sales	Contain dom-702	! po-702 System Contain	Contain Delete Member(s)
w 🚾 Jaics	craig dom-702		Sorensc
	Ramen dom-702	po-702 System Ramen	Premium

### **User Properties**

The Admin user has no nicknames, no expiration date, and is missing contact information which can be added from this program as well as changing password and other properties. The other user properties can be accessed and modified by selecting a different tab. The grayed-out information fields cannot be changed or populated, but the blank, white fields are quickly manipulated from the Vertigo interface.

Enter new password:	Clear Password
Verify password:	Change Password

For example, to change a password, **select the desired user** from the tree view, enter the new password and verify in the dialog provided at the bottom of the info screen, and click **Change Password**.

To change other options, populate the applicable fields with information for the specific user and select the **Apply** button to write the changes to the domain database. *Changes not applied before browsing off of the current configuration page are not saved and must be reentered and saved to the database to become effective.* 

Address Books	Categories	Custom Fields	Environment	Folders	Junk Mail	Junk Mail H	Handling	g Proxy Acces:	s RL	ules	( >
	i <b>s Books</b> Iressbook list	of the selected	user								
Address Book:	5;										
and the second sec	ent Contacts GroupWise Ad	Sec. 0.040 - 12199	ag a column f	ieader he	re to gro	oup by that	colum	n.			
admin	istrator admir one	hanator Nam	ne 🍾	First Nam	ne 🍾	Last Name	4	Organization	4	E-Mail Addr	ess
ales											

### Address Book

The Address Books tab shows which address books are owned or shared by which users, to how many and who. It also shows how many users, access, ownership and location of any selected address book

You can edit, view, and create reports on address books through the right click menu. (Address Book sharing requires GroupWise client 7.03 or later, all other activities can be done with the 7.02 client.)

### Categories

This view displays the color and settings for the different categories of mail that can come into their respective mailbox. The colors are represented by their code number.

If a company has specified colors to dictate the type of mail in a user's system, it can be copied through the rest of the system. To copy this client setting through the system, follow the same procedure you did for the Address book; select the desired setting, select copy,

ser Propertie:	A	ddress Books	Ca	itegories	Cust
Categor The cate		ries list of the	sel	ected use	r
Categories:					
Drag a colu	mn	header here	e to	group b	y tha
Name	Y	Туре	4	Colour	4
Low priority		LowPriority		12632256	5
Urgent		Urgent		255	
		FollowUp		33023	
Follow-up		FUIIUWUP		00020	

and then designate the users you wish to have the rule propagated to. You may specify multiple users at the same time.

#### **Custom Fields**

This reports on the selected users custom fields in their address book. This will be blank unless the users in your system have set these fields in their client options. Currently, this is not an editable setting.

### Environment

This setting has its own set of sub-tabs, some which require 7.03 or later to fully function. (File location, Signature) These sub-tabs are explained below.

Address Books	Categories Custo	m Fields Environment		Junk Mail Handling	Proxy Access	Rules	< >
Click the f	ent Settings tab						
General	File Location	n Cleanup	Signature	Disk Space Manag	gement	Mailbox Size	

# General

The general tab shows the language and settings for POP and NNTP as well as messenger and spell

General	File Location	Cleanup	Signature	Disk Space Management	Mailbox Size
Settings from the	GroupWise client:				
Interface Langua	ge:				
English (US)			~		
Show Messenge	er presence				
Check spelling	as you type/before s	end			
Settings from Clie	nt Options set in C1:				
Allow shared fo	older creation				
Allow shared a	ddress book creation				
Allow use of PC	P and IMAP accounts	in the Online Mai	ilbox		
Allow use of ne	ws (NNTP) accounts i	in the Online Mailt	x		

check. Unless the setting is locked in ConsoleOne, you can modify these settings here.

## **File Location**

The location of the Archive directory can be viewed here for each user in your system. (Vertigo requires GroupWise 8 or later to edit path.)

General	File Location	Cleanup	Signature	Disk Space Ma
File Location				
Archive directo	nv:			

# Cleanup

The cleanup tab reveals the deletion and archiving settings for each user in the system. You can change the settings here by modifying the settings and clicking apply.

### Signature

Further options for the signatures require Group-Wise 7.0.3 or later, but 7.0.2 systems can view and delete signatures according to company policy. The Signature can also be copied to all the users in the system, like rules can; click **Copy**, select the users desired from the address book and confirm by selecting **Ok**.

File Location		Cleanup	Signature
e and archive			
e after:	0	days	
sk and reminder	note		
e and archive			
after:			
e after:	0	days	
fter:	7	davs	
	e and archive after: e after: sk and reminder e and archive after: e after:	e and archive after: e after: sk and reminder note e and archive after: e after:	e and archive after: e after: e after: sk and reminder note e and archive after: e after: e after: c after: c after:

Signature settings support variables to insert user-specific data into signature text. You may add these variables into the text box and copy them to all accounts. Admin defined fields are supported, but must be defined in ConsoleOne. The default supported variables are:

[[NGW:FullName]] [[NGW:GivenName]] [[NGW:Surname]] [[NGW:Department]] [[NGW:Title]] [[NGW:PhoneNumber]] [NGW:FaxNumber]] [[NGW:Name]] [[NGW:NetID]] [[NGW:Domain]] [[NGW:PostOffice]] [[NGW:PrefEMailID]]

A signature text that reads:

Will produce a signature that bears the name of each individual user, looking like this:

General	File Location	Cleanup	Signature	Disk Space Management	Mailbox Size
matures:					
ame				play Flag 🛛 😚	Delete
eneral					Rename
					Сору

#### Folders

This reveals all the folders, and the item count of each, in a user's mailbox in order to deliver immediate and effective reporting on mailbox population without viewing any actual messages.

The folder structure is not available for system propagation at the moment, but is planned for subsequent releases and would be accomplished by the same process as the address book. User Properties Address Books Categories Custom Fields Environment Folders

#### 🔮 Mailbox

Below you see all folders of one's mailbox. The counter states the number of

Details for:	
🕀 🕋 Bitter	
- Mailbox [5]	
🛁 Sent Items [0]	
Calendar [0]	
- I Contacts [0]	
🕀 📄 Documents (0)	
Checklist [0]	
🚽 📴 Work In Progress [0]	
😑 📄 Cabinet [0]	
675309 [0]	
👘 📄 marketing mail [1]	
🛄 🛅 stuff (0)	
- 🛅 Junk Mail [1]	
Trash [0]	

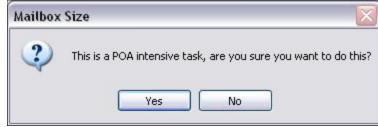
#### Junk Mail

Lists the contents of the Junk Mail mailbox. This allows general monitoring and also provides identification of any good mail which has been erroneously tagged as junk and placed in the Junk mail folder by the system.

lser Properties	Addre	ess Books	Categories	Custom Fields	Environmer	nt Folders	Junk Mail
👔 Junk Ma	ail						
Junk Ma	il items						
Junk Mail:							
Drag a colu	mn hea	ider here	to group b	y that column			
Name	7	Subject		7	Date	4	
	ne	110		n Bat Cave!!	12/19/200	7	

## **Disk Space Management**

Size limit restrictions are reported here for the different users. The values here can be edited, but cannot be saved in this version. The code is currently being added to the system.



### Mailbox Size

This tab polls the post office for the physical size of the selected user's mailbox. **This is a demanding and intensive process for the post office,** but allows immediate reporting on the disk usage of each individual user. This is purely an informational tab. You can specify what is displayed for the mailbox, (all, sent, received, trash, or posted/draft items), to simplify the view. Remember, even though Vertigo may look like it is not working, this is a POA intensive task, it takes a bit of time to show-up.

General	File Location	Cleanup	S	ignature		Disk Space Management	Mailbox Size
Mailbox Storage	Size Information						
View		Mailbox Information	í.				1
<ul> <li>All</li> <li>Trash</li> <li>Sent Item:</li> <li>Received</li> <li>Posted/Display</li> </ul>	Items	Current mailbox si Maximum storage	and the second			7.38MB nlimited	
Drag a columi Folder	n header here to	group by that colu	ımn. S	Size		ID	
Mailbox	12/19/2007	<ul> <li>Messagetype</li> <li>Mail</li> </ul>	4	40687049	· r	4768DE2F.dom-702.po-702.100	1736564.1.49.1@1:
Mailbox	12/19/2007	Mail		978	_	4768DD55.dom-702.po-702.100	Children and Strange and
Mailbox	12/19/2007	Mail		834		4768DCE6.dom-702.po-702.100	
Mailbox	12/19/2007	Mail		539253		4768DCD8.dom-702.po-702.100	.1736564.1.43.1@1:
Mailbox	12/18/2007	Mail		823		4767B777.dom-702.po-702.100	.1736564.1.40.1@1:7
Mailbox	12/19/2007	Mail		39905911		4768DE0D.dom-702.po-702.100	.1736564.1.48.1@1:
marketing mail	12/19/2007	Mail		870		4768DD7D.dom-702.po-702.100	.1736564.1.47.1@1:
marketing mail	12/19/2007	Mail		1135		4768DD30.dom-702.po-702.100	.1736564.1.45.1@1:
<.		101					(>)

### Junk Mail Handling

It has always been a challenge to populate the black lists while still receiving all the valid mail. The junk mail handling tab allows quick access to change and view the Junk, Block, and Trust lists and the active settings of any mailbox.

The settings tab allows the activation of the Junk Mail Handling system. Changes can be applied by selecting the **Apply** button.

The individual lists, Junk, Block, and Trust lists, can be accessed through the sub tabs, and allow full editing, creation, and removal of any particular domain or address. It also displays the count to indicate effectiveness in the list.

Address /Domain       Last Used       Count         agmail.com       12/19/2007 10:18:47 PM       0	how: Addresses	New	Edit Del	ete	Move to Block
a gmail.com 12/19/2007 10:18:47 PM 0	Domains				Move to Trus
	Address / Domain		Last Used	Count	-
a vaboo.com 12/19/2007 10:18:47 PM 0	🖹 gmail.com		12/19/2007 10:18:47 PM	0	
	yahoo.com		12/19/2007 10:18:47 PM	0	

#### **Proxy Access**

This list shows the users that are allowed to proxy into the selected user's mailbox, and which rights they can exercise as proxy. The proxy list can be completely managed from this window.

bitterbomb     dom-702     po-702     admin (administrator adminanator)     chris (McDowell)	Proxy rights	ies Custom Fields Environment Folders Junk Mail	Junk Mail Handling Proxy Access Rules <
craig (Sorenson)	Access List for:		
David (Brance)	Name	😚 Address	🗢 * 🛛 Add User
George (Fansom) George (Fansom) - George (Fanso	<ali access="" user=""></ali>		Remove User

To add a proxy rights to a user, **select the user** you wish to proxy to from the tree view on the left, select the **Proxy Access** tab, then click add user. **Select the user** or users you wish to grant proxy rights to and click **Ok**. (*The users in the add user window will not be selected unless they are selected with the mouse, even if they are highlighted already.*) After the users are added to the Access list, you can **modify the rights** they are granted.

	Access List for:					
	Name	4	Address		V 4 (	Add User
	<all access="" user=""></all>				(	Remove User
	administrator adminanator		admin.po-70	12.dom-702	l	Noniove oser
Right clicking						
next to the						
rights allows						
you to select						
or deselect all.						
	< ]		.uu		>	
	Proxy Access rights for					
	Mail/Phone		🗹 Read	🔽 Write		
	Appointments		🗹 Read	Write		
	Reminder Notes		🛃 Read	Write		
	Tasks		Read	Write		
	Subscribe to my alarms					
	Subscribe to my notifications					
	Modify options/rules/folders					
	Read items marked private					
					Apply	Refresh

#### Rules

Rules can be viewed and manipulated from this area. Clicking on the checkbox will *not* toggle the active status of a rule. To disable a rule, select it and then select the **disable** button on the right side.

bitterbomb	Address Books	Categories Custom Fields	Environment Folders	Junk Mail Junk	Mail Handling	Proxy Access	Rules
dom-702     po-702     admin (administrator adminanator)     chris (McDowell)	<b>Q</b> Rules Rules an	e executed in the order they	appear in the list. Drag a r	ule to a different (	position to chai	nge the order.	
craig (Sorenson)	Rules						
	Drag a colu	mn header here to group	by that column.				View
	Enabled *	Rule Name		😙 Event	1.57		Delete
indy (Smith)		marketing		New Item	1		Disable
📲 🔒 Ramen (Ramen Premium)		PR		New Item	1		Disable
Rules (Rules)	2027						Сору
🕀 🚋 marketing							
🕀 🚉 PR							

Viewing a rule is simple; select the rule and then the **view** button to see all the properties of that rule.

The recommended use for rule sets is to create a dummy resource account to hold or create rules with through the client and ensure they are working, and then use Vertigo to propagate those rules to other users. To keep things organized, a resource for rules, address books, and signatures, could be created for each department or group desired.

For example, a resource called 'sales' could be created to hold all the rules for the sales team members, which could be used to make and then propagate all of the rules to the other users in the Group-Wise system.

5 4 N		
Rule Name:		
When event is:	private mail And items are: 🔽 Received	Sent Posted Draft
If conditions are (opt	ional):	
Item types:		
Mail  Appointment  Task  Reminder Note  Phone Message	Act on items where (Item Type is contains 'Dark Knight'	Mail Appointment Task) and subject
	Appointment conflicts exists:	Does not matter (Yes or No)
Then actions are:		
Add Action -	Move To Folder: Cabinet	
Edit Action		
Delete Action		
	L	

### Multiple User Mode

The Multi-User mode allows the selection of all or certain users to be modified at the same time. Multiple user mode has three tabs across the top of the information window; **Reports, Proxy Access,** and **User Properties**.

The different areas in the Multiple User mode are similar, if not identical, to the corresponding single user mode, except that they modify Multiple users. The display of all the data in a large system can quickly get overwhelming, which is where organization becomes very important.

Moving the different column headers to organize the results to a workable amount of data, and knowing where to move them to gain the best results, will depend entirely on the data desired and the system that Vertigo is managing.

ddress Books	Archi	ve Path Clear	nup Options	Disk	Space Management   Folder:	Ju	nk Mail   J	unk Ma	ail Lists	Junk M	Aail Seti 🤄	\$
User Name	1.4	ler here to	group by th	at co	lumn.							
Jser Name	19	Display Name		8	Folder Name	8	System	7	Shared	7	Туре	
admin		administrator	adminanato	r	administrator adminanato	r	<b>V</b>		<u>@</u>	2	System	1
admin		administrator	adminanato	r	Mailbox		<b>V</b>				System	e.
admin		administrator	adminanato	r	Sent Items						System	•
admin		administrator	adminanato	r	Calendar					i i	System	•
admin		administrator	adminanator	r	Contacts		~			Í - I	Contact	tf
admin		administrator	adminanator	r	Documents				1		System	e.
admin		administrator	adminanator	r	Authored						QueryF	0
admin		administrator	adminanator	r	Default Library						QueryF	0
admin		administrator	adminanator	r	Checklist				10		System	•
									-			

To organize the columns, simply drag the desired column header into the space provided, directly above. The red arrows appear around the area where you should drop the header.

This process can be repeated as many times as desired to achieve the organization desired.

Address Books	Archive Path	Cleanup Options	Disk Space Management	Folders Junk Mail	Junk Mail Lists	Junk Mail Seti	
System 🖉	Folder Name	· //					
😑 System : False	e (4 items)						
🗄 Folder Nar	ne : Alerts (1	item)					
🗉 Folder Nar	ne : Authored	(12 items)					
🗉 Folder Nar	ne : Default L	ibrary (12 items)					
🕀 Folder Nar	ne : personal i	mail (1 item)					
E System : True	(22 items)						

For instance, here vertigo is organized according to the criteria desired. To quickly find out which users have unshared private folders other than the system defaults, and the folder names, we have dragged the appropriate columns into the organization header.

Address Books Archive Path Cleanup Options I	Disk Space Management	Folders Junk Mail	Junk Mail Lists	Junk Mail Settir	< >
Shared A System A User Name A	Folder Name 🦯				
$\Theta$ Shared : False (2 items)					
😑 System : False (12 items)					
🖃 User Name : admin (3 items)					
😟 Folder Name : Alerts (1 item)					
⊕ Folder Name : Authored (1 item)					
🕀 Folder Name : Default Library (1 item	)				
🕀 User Name : chris (3 items)					
User Name : Contain (2 items)					
🕀 User Name : craig (2 items)					
🕀 User Name : David (2 items)					
🗉 User Name : Frank (2 items)					
🕀 User Name : George (2 items)					
🗉 User Name : Josh (2 items)					
🗉 User Name : lindy (2 items)					
🗉 User Name : Ramen (2 items)					
🗉 User Name : Rules (2 items)					
🕀 User Name : Tom (2 items)					
🖲 System : True (12 items)					
<.	Ш				>

To reverse this, simply drag and drop the column header back into the info field.

You can also **Right Click** and select **Reset Grouping**, which will reset the information view to the original settings in Vertigo.



### Reports

The reports screen looks very similar to the single user mode screen, except that the function tabs are now sub-tabs. All of the same information that was available in the single user mode under these tabs is available here, but it will be generated according to the users selected in the tree view on the left side of the Vertigo window.



The Reports tab is the function that allows the admin to create system wide reports. *Settings cannot be changed through the Reports screen; it is used for generating reports only.* In the reports screen, system-wide reports can be created on every tab from the Single User Mode, and printed directly or exported to .xml, xps, and raw text formats.

This function is immensely useful for finding and eliminating problems and bad settings in a large GroupWise System, by polling the entire database and reporting all the settings for each user at a glance.

To export data from Vertigo, generate a report on any given tab. Either select **export** from the top menu bar or from the **right click** menu.

Then choose which file type you wish to export the data to, (.pdf, .xml, .xps, or .txt), and select the desired name and location to save the data. Vertigo will attempt to open the newly created file with the appropriate program.

**Proxy Access** and **User Properties** are interfaces for manipulating system-wide proxy rights as well as general properties for users. These will be demonstrated in the application section.

### Web Tool Integration

Network administrators can also integrate different tools from their GroupWise system and GWAVA Beginfinite program suite directly into the Vertigo console. This is done from the top of the GroupWise

🖉 Vertigo		
File Actions Settings Help		01-2
👔 🔞 Connect to GW system 🛛 🍣 Refresh System View 📗	🖥 Single User Mode 🛤 Multi-User Mode 🕠 Print 💮 Export items 🕫	
<ul> <li>Interbomb</li> <li>Interbom</li></ul>	Distribution Lists         Resources         Nicknames         Users         GWAVA 4 Management Console         Reload         Retain         BES Server           http://localhost:6910         Go         Save         Save	< >
chris (McDowell) chris (McDowell) craig (Sorenson) David (Brance) Erank (Rhunt)	This program cannot display the webpage	0

system in Vertigo. The products and tools available for integration are: Gwava, Redline, Reload, Retain, and BES server. Also available are the web consoles for the MTA and POA.

To integrate Gwava, or any other GWAVA Inc. product, **select** the **GroupWise system** in **Single User mode**, and **click on the appropriate tab**, (in this case, Redline).

					_)[	
gle User Mode 🚨 Multi-User Mode 🕠 Print 🥥 Export items 💂						
Distribution Lists Resources Nicknames Users GWAVA 4 Management Console	Redline	Reload	Retain	BES Server		< >
http://10.1.1.101:49282/public/login.shtml Go	Save					^

To get to the management console, the appropriate address needs to be defined. On default, the address is set to localhost, which is most likely incorrect.

**Set the correct address**, either a direct IP address or a DNS name, and select **Go**. If the correct page is displayed, select **Save** to remember the setting the next time this tabe is selected. Repeat with the rest of the desired integrated products.

E 🔯 bitterbomb	Domain Properties MTA Web Console
⊖ 🕺 dom-702 ⊖ 🎱 po-702	http://10.1.1.101:7180/ Go Save
admin (administrator adminanator)	
aria (Sorenson)	GroupWise 7.0.3 Beta MTA - dom-702
Frank (Blunt)	Status   Configuration   Environment   Log Files   Links   Message Tracking   Help
George (Fansom)	Restart MTA
lindy (Smith)	Up Time: 4 Days 20 Hrs 57 Mins
Ramen (Ramen Premium)	Total Closed

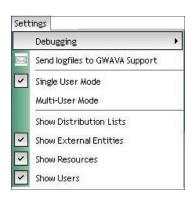
GroupWise web console integration takes the same process, only the **Domain**, or **Post Office** is selected in **Single User Mode**, instead of the GroupWise system. **Select the appropriate tab** in the information page, either MTA or POA web console, and **input the correct address** of the agent. Test using the **Go** button, then **save** when settings are correct.

# Application

The hypothetical company below has several problems with the mail that need to be corrected; first, the new users that have been added need to have their rules and proxy rights added to their accounts. Next, we need to perform the routine check to make sure that the users have not created rules that go against company policy, or that they are receiving the mail that they requested. Finally, we are also going to set limits to the mailbox sizes and generate reports as to which accounts have come close to the size limit in the mail system.

🔚 Vertigo			
File Actions Settings Help			
👔 🔞 Connect to GW system 🛛 🍣 Refresh System View 🤱 S	ingle User Mode 😂 Multi-L	Jser Mode 🌀 Print 💮 Export items 🍃	
	System Propertie Below you find eve	<b>s</b> ry property of your GroupWise system. You can rev	/A 4 Management Console Redline Reload Retail < >
	Details for GroupWise sy Connected Domain: API Version: NWLogin:	dom-702 2.0 False	
Ramen (Ramen Premium) Rules (Rules) Tom (Orwell) Contain Raccounting chris	Description: Name: Last Modified By:	bitterbomb (BITBOWBTREE) admin.bitbomb	
G craig G Ramen G Ramen Contain G David G George G George G RR	Domains: Post Offices: Users: Resources:	dom-702 po-702 admin Contain	
Cortain Contai	Distribution Lists: Nicknames:		
Live connection for: bitterbomb to: Z:\dom-7.02\		GroupWise Client: 7.0.2.561	Apply Refresh

(To show distribution lists, resources, or other entities, select them from the Settings menu. Here you can edit your GroupWise system tree view options.)



# Checking and Granting Proxy Rights

After selecting **Multi-User Mode**, mark the post office to select all the users in the system, click on **Reports** and **Proxy Access List** and finally click the **Generate** button to create the report on who has access rights to who's account.

bitterbomb	Re	eports			Proxy Access		U	ser Properties	_
dom-702     vom po-702     vom po-702     vom po-702     vom po-702     vom po-702     vom po-702     craig (Sorenson)     vom po-702     povid (Brance)     vom po-704     Frank (Blunt)	Disk Space Mana	gemei	nt Folders Jur	nk Ma	ers on the left and click 'Refre: 11 Junk Mail Lists Junk Mail : 29 that column.			ules List	< >
George (Fansom)	User Name	and the second second	Display Name		Proxy Account	7	Address	7 Read Mail Phone	7
— 🔽 🐉 lindy (Smith)	chris		McDowell		administrator adminanator		admin@ibuycrap.org		
Ramen (Ramen Premium)	Contain				administrator adminanator		admin@ibuycrap.org		
- 🔽 器 Rules (Rules) - 🔽 💈 Tom (Orwell)	craig		Sorenson		Blunt		Frank@ibuycrap.org		
	David		Brance		administrator adminanator		admin@ibuycrap.org		
	Frank		Blunt		administrator adminanator		admin@bitter.com		
	George		Fansom		administrator adminanator		admin@ibuycrap.org		
	Josh		Fair		administrator adminanator		admin@ibuycrap.org		
	lindy		Smith		administrator adminanator		admin@ibuycrap.org		
	Ramen		Ramen Premium		administrator adminanator		admin.po-702.dom-702		
	Rules		Rules		administrator adminanator		admin@ibuycrap.org	~	
	Tom		Orwell		administrator adminanator		admin@ibuycrap.org		

This report shows us first the user name, their GroupWise ID, who has proxy rights to their account (and their address), and finally what proxy rights they have been granted.

The immediately alarming thing is that Frank Blunt has access to Craig Sorenson's account. The next thing we notice is that Admin does not have proxy access to Craig's account, as is company policy. We can fix both these problems.

First, while still in **Multi-User Mode**, click on **Proxy Access**. This screen allows us to add proxy rights for the Administrator for all the accounts at the same time. When the screen comes up, it shows a blank Access list.

B D bitterbomb	Reports	Proxy Access	User Properties
Composition     Compositi	Proxy Access After selected the target us Access List for:	ers in the treeview, you can select to which user m	ailbox these users will get access to.
Image: Craig (Storenson)         Image: Cr	Name «All User Access»	☆ Address	⊽ *r Add User Remove User
	<	int.	>

Select the Add **User** button and then select the Administrator from the user list that is generated. Click **OK.** 

Name	8	Address		V 9	Add User	
<all access="" user=""></all>				ſ	Remove User	
administrator adminanator		admin.po-70	02.dom-702		Telliove oser	
<mark>د</mark> ]		III				
Proxy Access rights for						
		-	-			
Mail/Phone		Read	Write			
		🕑 Read	Write			
Appointments		A CONTRACTOR				
Mail/Phone Appointments Reminder Notes Tasks		🗹 Read	Write			
Appointments Reminder Notes		✓ Read ✓ Read	Write Write			
Appointments Reminder Notes Tasks Subscribe to my alarms		✓ Read ✓ Read	Write Write			
Appointments Reminder Notes Tasks ♥ Subscribe to my alarms		✓ Read ✓ Read	Write Write			

Now select the administrator user in the access list and select the desired boxes to grant Proxy Access Rights to the Admin user. Click **Apply** to make the changes permanent before moving on.

The administrator now has full proxy rights to every user in the system.

*If you are running GroupWise 7.02 instead of 7.03 or later,* you may be confronted with this information message:

Re-select the **Apply** button in order to finish affecting the change in your system.

🔤 Vertigo	
Informational Message	
New Proxy Right entries have been added to one or more selected accounts Since you're not running Support Pack 2, you will have to Apply again	
to commit the requested changes	
	Close

To remove Frank's access rights to Craig's account, enter Single User Mode and select Craig Sorenson

Vertigo								
file Actions Settings Help								
	ngle User Mode 🤮 Multi-User Mo				l			
B terrebomb B dom-702	Address Books Categories Cus	tom Fields En	nvironment	Folders Junk Mail	Junk Mail Handling Proxy Ac	cess Rules <		
po-702     admin (administrator adminanator)     chris (McDowell)	Proxy rights The listed users have acc	ess rights for:						
	Access List for:							
	Name	* A	ddress		ς.	Add User		
George (Fansom)	<all access="" user=""></all>							
Josh (Fair) Gamen (Ramen Premium) Rules (Rules) Tom (Orwell) Contain	Blunt Frank@ibuyorap.org					Remove User		
	<				>			
	Proxy Access rights for							
	Mail/Phone		Read	Write				
	Appointments		Read	Write				
	Reminder Notes	V	Read	Write				
	Tasks	1	Read	Write				
	2002340	Ŀ						
	Subscribe to my alarms	Ŀ		a				
				a - 9 60236663				
	Subscribe to my notification	ns		9.0.0000				
		ns		ц — 94.133.653 <sup>4</sup>				
	Subscribe to my notification	ns			Apply	Refresh		

from the GroupWise system tree.

Select the **Proxy Access** tab to bring up the proxy rights configuration. Select the offending user, Frank Blunt in this case, and select **Remove User.** 

Click **Ok** to confirm proxy rights removal and then click **Refresh** to verify that the proxy rights have been removed.

If you attempt to add duplicate users to the proxy access list, you will be notified and the double entry will not be added to the system.

# **Generating Reports**

The legal department requires regular reports on the access abilities of the different users in the company. To export or print a report that you have generated in Vertigo, format the different columns by dragging the desired organizational criteria to the column header.

💱 bitterbomb	Re	ports			Proxy Access		U	ser Properties	
dom-702     dom-702     dom-702     dom-roc     doministrator adminanator)     dom craig (Scremson)     dom Craig (Scremson)     dom Craig (Scremson)     dom Craig (Scremson)	-				ers on the left and click 'Refre il Junk Mail Lists Junk Mail			ules List	۲ >
Frank (Blunt)	Drag a column	hea	ider here to gro	up	by that column.				
🔽 🍒 George (Fansom) 🔽 🤱 Josh (Fair)	User Name	4	Display Name	8	Proxy Account	8	Address	😚 Read Mail Phone	4
🔽 👼 lindy (Smith)	chris		McDowell		administrator adminanator		admin@ibuycrap.org		
Ramen (Ramen Premium)	Contain				administrator adminanator		admin@ibuycrap.org	<ul> <li>Image: A start of the start of</li></ul>	
	craig		Sorenson		Blunt		Frank@ibuycrap.org		
Contain	David		Brance		administrator adminanator		admin@ibuycrap.org		
	Frank		Blunt		administrator adminanator		admin@bitter.com	~	
	George		Fansom		administrator adminanator		admin@ibuycrap.org	~	
	Josh		Fair		administrator adminanator		admin@ibuycrap.org	~	
	lindy		Smith		administrator adminanator		admin@ibuycrap.org	~	
	Ramen		Ramen Premium		administrator adminanator		admin.po-702.dom-702		
	Rules		Rules		administrator adminanator		admin@ibuycrap.org	~	
	Tom		Orwell		administrator adminanator		admin@ibuycrap.org		

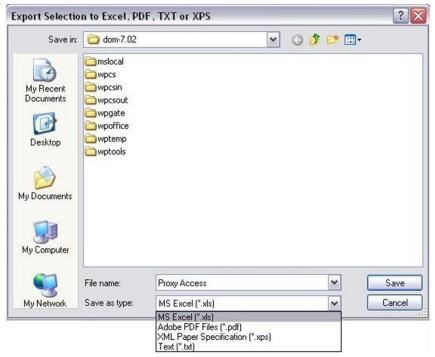
Right click in the middle of the organized information and select Export Items or select Export from the

program menu at the top of the window.

Select the save location and desired format to continue exporting the information for further formatting or for archive purposes.

You can also select **Print** from the **Right Click** menu or the top menu bar and select the desired printer and formatting.



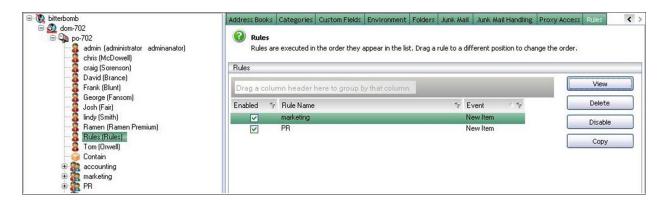


### **Rule Propagation**

Now we move to our second task, making sure that the rules in the system are appropriate for the system and propagating the rule-set for the different departments to the new users.

#### The ability to copy rules between users requires GroupWise 7.03 or later running on the Post Office.

The user in which holds the rules for three of the organizations (Marketing, Complaints, Public Relations) is the general user the admin has created to hold rules. (This can be any user; admin, or a dummy user. Rules must be created from the GroupWise client before Vertigo can copy them to other users in the system.)



In **Singe User Mode** select the **user** which holds your rule set and then select the **Rules** tab. (You may need to scroll the function

tabs using the scroll arrows at the top right.)

Here we have selected the desired rules to be copied. Select Copy. (Tip: In the tree view, open the distribution list containing the users who need these rules to keep track of who to copy the rules to.)

Now we can **select the appropriate users** to copy the marketing rules to and select **Ok.** Your rule has been copied to the other users. Select the other users and Rules tab to verify that the rules have been copied over correctly.

àroupWise System Address				Description of the second s		100 Con		2.0		
lame	8	User ID	8	E-Mail Address	8		4	Post Office	8	ObjectType
idministrator adminanator		admin	_	admin@ibuycrap.org		dom-702	-	po-702	-	Contact
Blunt		Frank		Frank@ibuycrap.org		dom-702		po-702		Contact
Irance		David		David@ibuycrap.org		dom-702		po-702		Contact
Contain		Contain		Contain@ibuycrap.org		dom-702		po-702		Resource
air		Josh		Josh@ibuycrap.org		dom-702		po-702		Contact
ansom		George		George@ibuycrap.org		dom-702		po-702		Contact
1cDowell		chris		chris@ibuycrap.org		dom-702		po-702		Contact
)rwell		Tom		Tom@ibuycrap.org		dom-702		po-702		Contact
Ramen Premium		Ramen		Ramen@ibuycrap.org		dom-702		po-702		Contact
Rules		Rules		Rules@ibuycrap.org		dom-702		po-702		Contact
imith		lindy		lindy@ibuycrap.org		dom-702		po-702		Contact
Sorenson		craig		craig@ibuycrap.org		dom-702		ро-702		Contact
				ш						

(If you are using GroupWise 7.02, you will encounter this message and reminder.)

Not sup	ported feature 🛛 🕅
	This feature is not supported with GroupWise 7.0.2 . Please upgrade to Support Pack 3 first.
	ОК

We also want to check the rules that are active in the system. Select **Multi-User Mode**, **Reports**, and the **Rules** tab. Make sure you have all the desired users selected. (Selecting the post office will automatically select everything in that post office.) Click **Generate**.

Drag a column f	leader here to grou	p by that colur	nn.							
User Name – 🛆	😙 Display Name	😵 Rule Name	7	Enabled	7	Event *	r Mail	4	Appointment	4
chris	McDowell	private mail	0.0.0	<b>V</b>	<u> (0.000</u>	New Item		403034		
Contain		PR		<b>v</b>		New Item	<b>v</b>			
Frank	Blunt	PR				New Item			$\checkmark$	
Ramen	Ramen Premium	PR		<b>V</b>		New Item	~			
Rules	Rules	marketing		~		New Item	$\checkmark$		<b>V</b>	
Rules	Rules	PR				New Item			~	
Tom	Orwell	PR				New Item	~			

If any user has rules which need to be removed or disabled, we can edit those properties from the **Single User Mode**. **Select the user** in question, and the **Rules** tab.

We can see that the rule is enabled. Select the rule and then the **Delete** or **Disable** button.

🔇 bitterbomb	Address Books Categories Custom Fields Envi	ronment Folders Junk Mail Junk Mail Handling Pro:	ky Access Rules
20 dom-702     Cap po-702     Cap po-702     Cadministrator adminanator)     Cadministrator adminanator)     Cadministrator adminanator)	Rules     Rules are executed in the order they appear	r in the list. Drag a rule to a different position to change th	ne order.
craig (Sorenson)	Rules		
	Drag a column header here to group by that	t column.	View
	Enabled 🌱 Rule Name	☆ Event < ☆	Delete
	✓ marketing	New Item	Disable
	PR PR	New Item	Disable
Rules (Rules)			Сору
accounting			
🕀 🚋 marketing			
🕀 🌉 PR			

## Block and Junk Mail Lists

The users were instructed a couple weeks ago to create their own block lists to cut down on the amount of unwanted mail in their mailboxes. One of the users has complained that they cannot get mail from one of their customers. We want to check if the users in this system have created their own block lists and also to see if a block list could be the cause of the missing mail for this user.

In Multi-User Mode with the Post office selected, click on Reports and Junk Mail Lists then click Generate.

We are going to organize this according to the user name in order to see which users have created their own block lists as instructed. **Drag** the **User Name** column to the empty header directly above. Now we can see that only user that has created a junk list is Admin. Admin has also not been getting all the mail that it should.

Admin has blacklisted several domains that would keep him from getting quite a bit of mail. We need to remove them. In **Single User Mode**, **select the desired user**, Admin, and click on the **Junk Mail Handling** tab. Select **Junk** or **Block List**.

B	Repo	nts		Proxy Access				User	Prop	erties	
dom-702     v v or 202     v v or 202     v or 202	<b>Reports</b> Select domain	, post offices and/or users	on the I	eft and click	Refr	esh' to update t	he re:	sult list.			
🚽 🛃 craig (Sorenson)	Address Books Arc	hive Path Cleanup Option:	s Disk	Space Manage	emen	t Folders Jur	nk Mai	I Junk Mail L	ists	Junk Mail Set	<
- V 🖁 David (Brance) - V 🗿 Frank (Blunt) - V 🗿 George (Fansom)	Drag a column h	eader here to group by (	that co	lumn.							
Josh (Fair)	User Name	r Display Name	4	List Type	8	Match Type	7	Item	4	Use Count	8
🖂 🛃 lindy (Smith)	admin	administrator adminana	tor	block		domain		aol.com		0	
🥣 😺 Ramen (Ramen Premium) 🥣 🙀 Rules (Rules)	admin	administrator adminana	tor	block		domain		hotmail.com		0	
Tom (Orwell)	admin	administrator adminana	tor	junk		domain		gmail.com		0	
Contain	admin	administrator adminana	tor	junk		domain		vahoo.com		0	

Jser Propertie	Address Books	Categories	Custom Fields	Environment	Folders	Junk Mail	Junk M	ail Handling	Proxy Acc	<
👔 Junk M	ail Handling									
Click th	e tab									
Settings Junk	List Block List	Trust List								
Show:	Addresses		New	Edit.		Delete		Move to .	Junk	
~	Domains						_			
								Move to T	rust	
Address	/Domain			Last Use	d		Count			
aol.com				12/18/20	007 4:21:19	PM	0			
🗿 gmail.co	m			12/18/20	007 4:21:19		0			
Ch hat and	com			12/18/20	007 4:21:19	PM	0			
🚉 hotmail.	COM									

Highlight all the entries that we want to remove and click delete.

how: 🗹 Addresses	New	Edit Del	ete Nove to Junk
C Domains			Move to Trus
Address/Domain		Last Used	Count
aol.com		12/18/2007 4:21:19 PM	0
🚦 gmail.com		12/18/2007 4:21:19 PM	0
💈 hotmail.com		12/18/2007 4:21:19 PM	0
vahoo.com		12/18/2007 4:21:19 PM	0

You can also move, edit, and create domains and entries from this configuration page by selecting those options.

We are finished with the configuration changes we needed to complete.

#### Vertigo License

To install a license file for Vertigo, first claim the license file from the website, licenses.gwava.com. Start Vertigo and select Licensing from the Help menu. This will check for a license, and report on the current user status of a system.

Click Import License and browse to the license location and select Open. This will install the Vertigo license for unlimited use.

Help	)
•	Check for Updates
Z	Licensing
	Vertigo Product Webpage
	Vertigo Support Forum
•	About Vertigo

Licensing Below you find details about your Verti	go license				
nse Details:					
GroupWise System Name:	bitterbomb				
GroupWise User Count:	11				
Licensed GroupWise System Name:	Running in evaluation mode				
Licensed GroupWise Users:	Running in evaluation mode				
License Start Date (mm-dd-yyyy):	Running in evaluation mode				
License End Date (mm-dd-yyyy):	Running in evaluation mode				

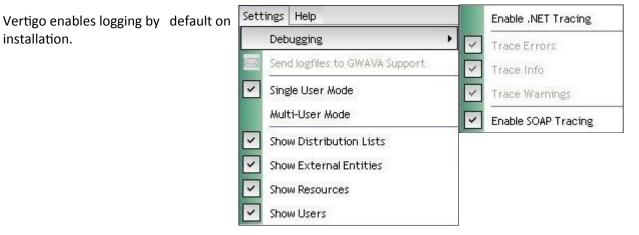
### Vertigo Logs

The logs for Vertigo are stored locally in different directories depending on the version of Windows it is installed on. For Windows XP, 2000, and Server 2003, the logfiles are located at:

C:\Documents and Settings\All Users\Application Data\GWAVA Vertigo\Tracelogs

For Windows Vista, Windows 7, and Server 2008, the log files are located at: C:\ProgramData\GWAVA\Veritgo\Tracelogs

The Log files provide valuable support information regarding all operations and debugging. The support staff may request these logs for support purposes. The log settings are located under **Debugging**, in the **Settings** menu.



installation.

### Send log files to support

It may be necessary to send your logs to support for debugging info and for system information.

To send your logs to Vertigo Support, you must first have **.NET tracing** enabled in the logging settings.

Under the **Settings** menu, select the debugging option and enable **.NET Tracing** in the joining menu.

not yet connected to the GroupWise system.

Sett	Settings Help						
۲	Debugging •		Enable .NET Tracing				
	Send logfiles to GWAVA Support	~	Trace Errors				
<b>~</b>	Auditing	~	Trace Info				
<ul> <li></li> </ul>	Single User Mode	<b>~</b>	Trace Warnings				
	Multi-User Mode	<b>~</b>	Enable SOAP Tracing				
<b>~</b>	Show Distribution Lists						
	Show External Entities						
	Show Resources						
	Show Users						

Enable/	Disable Tracing 🛛 🔀	
♪	Vertigo has to restart to Enable/Disable Tracing, Restart Vertigo now?	v
	Yes No	tr

/ertigo requires a restart to start the .NET race log. It will do this automatically for

you when



you. If you desire more address added to the recipient list, you may specify them.

To Send your log files to support, open the Settings menu and select

Send Log Files to Support. You can select this option even if you have

Vertigo will open a mail composition window to send the log files to sup-

port. By default, the minimum addresses are automatically filled-out for

Send Logfiles to GWAVA Support

You must select log files in the attachment field in order to send them.

			<u></u>		
om:	administrator adminanator	CC:	vertigo@gw	lava.com	
o:	support@gwava.com				
ubject:	Vertigo support issue				
	e a look at the attached tracelog file(s)				
Dear sirs Please have Narr	11 - 1994 - 1997 - 19	Size		Modified	

Fill out the requisite information, such as contact information, a description of your problem, and, ensuring that your have checked logs to send, click **Send**.

37

you click yes.

## Auditing Support and Options

Vertigo supports two types of Auditing support, through Redline or simple text file auditing. To Enable auditing, open the Settings menu and select Auditing.

Settings Help The simple text file auditing support places a text file where you configured 1 the system to save the file, the Auditing directory. This file will contain information on all activities in Vertigo; configuration, viewing, editing, and 3 which user(s) were effected.

which user(s) were effected.	<ul> <li>Image: A start of the start of</li></ul>	Single User Mode
🕞 VERTIGO-AUDIT-20080124-admin. bitbomb - Notepad 📃 🗆 🔀		Multi-User Mode
File Edit Format View Help	~	Show Distribution Lists
<pre>bate, Time, AccountFul Name, AccountID, Action, TargetFul Name, IPAddress, TargetID, AgentName 1/24/2008, 9:31:33 AM, administrator adminanator, admin@ibuycrap.org, List Categories, Sorenson, 10. 1/24/2008, 9:31:45 AM, administrator adminanator, admin@ibuycrap.org, List Categories, Brance, 10.1.</pre>	~	Show External Entities
1/24/2008,9:31:53 AM, administrator adminanator, admin@ibuýcrap.org, List Categories, Brance,10.1. 1/24/2008,9:31:58 AM, administrator adminanator, admin@ibuycrap.org, List Categories, Brance,10.1.	~	Show Resources
	<ul> <li></li> </ul>	Show Users

The audit log file will look similar to this one, and formatted the same way, with the format key at the top. (date, time, account full name, account ID, action, etc...) As you can see, in this log, Admin accessed the categories tab on two users, (Sorenson and Brance), with one user accessed three times.

For Redline Auditing, a connection and license information for the Redline server is required. No agent is required for this setup. Select the Redline auditing choice that works best for your system, and fill in the appropriate information. The default for the port is 6900, and timeout 300ms. The registration De-

Configure Auditing							
Configure auditing							
GWAVA Vertigo can store an audit trail in in order to enforce existing business and legal policies.							
Decide which auditing method to use							
Use Redline for auditing. If unavailable, auto-fallback to textfile auditing.							
Use Redline for auditing. If unavailable,							
Use simple textfile auditing only.							
No Auditing							
-							
Configure Redline auditing settings							
erver IP address:	10.1.1.39						
ierver port:	690 🚔						
Server timeout (ms):	300 👻						
Registration details:							
Registration name:							
-							
Registration code:							
Configure textfile auditing settings							
Auditing directory:	C:\Documents and Settings\testuser\Wy Documents						
Maximum logfile size (MB):	10						
Minimum free disk space (MB):	1000						
	Ok	Cancel					

tails is asking for the redline license file (which allows you to browse), the name and code are settings found in the Redline Control Center, under configuration.

Debugging

Auditing

Send logfiles to GWAVA Support

۲

When you have finished configuration for your choice, click OK to complete. Vertigo does not require a restart for Auditing to become active.

## Samba Installation (OES, OES2)

We must first verify that the Samba server package is installed and ready to use.

Launch YaST from the Programs menu in your preferred GUI. (Gnome is shown)

Select the Software category in YaST, and then launch the Software Management tool (OES2) or the Add and Remove Programs (OES). (Depending on how you are logged-in, you may be required to enter the root password in order to start YaST.) Change the Filter option to Search, and search for Samba.



e <u>P</u> ackage <u>E</u> xtras <u>H</u> elp		YaST2@oes2					
ljer: Search	Package	Summary Si	e Avail. Ver.	Inst. Ver.	Source		
Searc <u>h</u> :							
samba ▼ Search							
Search in							
iearch <u>M</u> ode:		*******			**********		
iearch <u>M</u> ode:	Description	Technical Data	Dependencies			Change Log	

Your Samba search should come up with a list similar to this:

ilter: Search	-	Package	Summary	Size	Avail. Ver.
		kdebase3-samba	KDE Base package: Windows Connection Module	168.2 K	3.5.1-69.52
Search:		libmsrpc	Samba msrpc Library	1.8 M	3.0.24-2.23
samba		🖌 libsmbclient	Samba Client Library	1.8 M	3.0.24-2.23
samba		🔏 nautilus-share	A Quick and Easy Way to Share Folders in Nautilus via Samba	96.4 K	0.6.4-31.8
	Search :	🖌 samba	A SMB/ CIFS File, Print, and Authentication Server		3.0.24-2.23
		🖌 samba-client	Samba Client Utilities		3.0.24-2.23
-Search in		samba-doc	Samba Documentation	23.2 M	3.0.24-2.23
X Name		samba-krb-printing	Wrapper binary for kerberized printing	5.5 K	3.0.24-2.23
🗙 Su <u>m</u> mary		samba-pdb	PDB-Modules	6.4 K	3.0.24-2.23
Description		samba-python	Samba Python Modules	14.4 M	3.0.24-2.23
- Description		samba-vscan	On-Access Virus Scanning with Samba	531.2 K	0.3.66-42.4
RPM "Provides"		samba-winbind	Winbind Daemon and Tool	3.9 M	3.0.24-2.23
RPM "Requires"		🖉 yast2-samba-client	YaST2 - Samba Client Configuration	269.8 K	2.13.36-0.8
		yast2-samba-server	YaST2 - Samba Server Configuration	345.0 K	2.13.22-0.8
Search <u>M</u> ode:	1	T	*****		•

Make sure you have selected the main Samba package, called Samba, as well as the yast2 packages. (yast2-samba-server, yast2-samba-client) Without the yast-samba-server package, you cannot configure samba through Yast. If you desire to configure Samba on your own, this package is not needed.

The other packages can be installed or ignored according to your desired setup.

Click accept at the bottom of the install page. You may need to agree to any dependencies that were automatically added. If you have any broken dependencies or conflicts, resolve them according to your system setup.

It is highly recommended that you download/ install the approved and released version for your distribution of linux. If you are not running SLES 9, 10, 10.1, OES, or OES2, then search for the appropriate site for documentation and downloads for the source files of Samba.

If you desire to download and manually install Samba for your server, please visit <u>http://samba.org</u> to find specific instructions and download locations for your distribution.

Some good sites for full documentation and instruction

In general:

http://www.mtusysadm.mtu.edu/samba/

For Novell Products:

OES — <u>http://www.novell.com/documentation/oes/samba\_admin/index.html?page=/documentation/oes/samba\_admin/data/samba-users.html</u>

OES2 — http://www.novell.com/documentation/oes2/file samba cifs lx/index.html?page=/documentation/oes2/file samba cifs lx/ data/bway05g.html

## **OES 2 Samba Configuration**

From the GUI of your choice, select and open YaST from the applications list.





From the YaST Control Center, Select the Network Services category then find and select the Samba Server object. After the Samba Server Configuration starts, you will be asked for some basic information on your network setup. The first step is to either join an existing windows workgroup or create a new workgroup

	YaST2@oes2	_ = ×
Workgroup or Domain Selection All available workgroups or domains found on your network are listed here. Select one of them or type your own new name and click Next.	Samba Installation: Step 1 of 2 Workgroup or Domain Name TUX-NET  Abort	Next

#### for your Samba share to broadcast in.

	YaST2@oes2	_ = ×
Samba Server Type A domain controller allows Windows clients to log in to a Windows domain.	Samba Installation: Step 2 of 2 Current Domain Name: BHOME	
The backup controller uses another domain controller for validation. The primary controller uses its own information about users and their passwords.	Samba Server Type	
The options available in the configuration dialogs depend on the settings in this selection.	<ul> <li>Backup Domain Controller (BDC)</li> <li>Not a Domain Controller</li> </ul>	

For our purposes, and to keep this share somewhat anonymous, create a new workgroup, named anything you like.

The Samba Server needs to know if it is going to be the Domain Controller for the Workgroup or not.

	YaST2@oes2	_ 🗉 🗙 Since we			
Service Start	Samba Configuration				
To start the service every time your computer is booted, set <b>During Boot</b> . Otherwise set <b>Manually</b> .	Start-Up Shares Identity Trusted Domains LDAP Settings	our own			
Firewall Settings To open the firewall to allow access to the service from remote computers, set Open Port in Firewall. To select interfaces on which to open the port,	Service Start           Image: Digiting Boot           Image: Manually				
click Firewall Details. This option is available only if the firewall is enabled.	Firewall Settings				

Switch to the Shares tab in the configuration window.

		1	/aST2@oe	152		
Shares	Samba	Configur	ation			
This is a list of already configured shares, whether they are enabled or disabled, and	Start-Up	Shares	Identity	Trusted Domains	LDAP Settings	
ome basic information about them.	Available	e Shares			11 // 2.568.	Fi <u>l</u> ter 🔻
share can be enabled or disabled. A lisabled share is not accessible, but its	Status	Read-Only	Name	Path	Comment	<b></b>
onfiguration is still written into the	Enabled	No	users	/home	All users	
onfiguration file. So the share can be later	Enabled	No	homes		Home Directories	1000
nabled again.	Enabled	Yes	printers	/var/tmp	All Printers	111
	Enabled	Yes	print\$	/var/lib/samba/drivers	Printer Drivers	
ome of the shares are special. For example, e share Homes is a special system share for	Enabled	No	groups	/home/groups	All groups	
cessing home directories of users. The system	Enabled	Yes	netlogon	/var/lib/samba/netlogo	n Network Logon Service	-
hares can be hidden from the table by						
electing Do Not Show System Shares in the	<u>A</u> dd	Ed <u>i</u> t.	. De	eleje		Toggle Status
ilter menu.						
Jse Add to add a new share, Edit to modify	Sharin	g by Users —				
Iready existing share, and Delete to remove						
e information about a share.		ow Users to St	nare Their	Directories		
	Perm	nitted Group				
llow Users to Share Their Directories	Liser	5				0
nables members of the group in <b>Permitted</b> iroup to share directories they own with other			134153			
sers. For example, users for a local scope or	<u>TV</u> (B)(	imum Numts	e of Share	5		
OMAIN\Users for a domain scope. The user	100					A V
lso must make sure that the file system						
ermissions allow access.						
lith Maximum Number of Shares limit the	1122					

We are not currently sharing the necessary folder to access the domain database.

	YaST2@oes2	_ = ×
Add a New Share Here, enter the basic information about a share to add.	New Share	
Share Name is used for accessing the share from clients. Share Description describes the purpose of the share.		
There are two types of shares. A <b>Printer</b> share is presented as a printer to clients. A <b>Directory</b> share is presented as a network disk. <b>Share</b> <b>Path</b> must be entered for a directory share.		
If <b>Read-Only</b> is checked, users of a service may not create or modify files in the service's directory.	← Identification Share <u>N</u> ame   mail	
Inherit ACLS can be used to ensure that if default ACLs exist on parent directories, they	Share Description	
are always honored when creating a subdirectory.	Share Type Printer © Directory	
	Share Path //path.to.domain.database.dir    Browse    Read-Only   Inherit ACLs	

### Select Add.

The Share Name is what will show as the name of the folder in your Windows browser The share description is what will show in the properties, or mouse-over in a Windows browser Make sure you have Directory selected in the Share type, and select Inherit ACL's. Vertigo will need the rights to edit the database, make sure that Read-Only is not selected.

#### Select Identity

			YaST2@oe	2		_ = >
Identity	Samba	Configu	ation			
These options allow setup of the identity of the server and its primary role in the network.	Start-Up	Shares	Identity	Trusted Domains	LDAP Settings	
The base settings set up the domain and the server role. Backup Domain Controller and Primary Domain Controller allow Windows clients to log in to a Windows domain. The backup controller uses another domain controller for validation. The primary controller uses its own information about users and their passwords. If the server should not participate as a domain controller, choose the Not a DC value.	BHOM	oup or Doma	in Name	•	WINS  WINS Server Support  Remote WINS Server  Name	
example, IP address) to a NetBIOS name. The Samba server can be a WINS server or can use another server for its queries. In the latter case, choose <b>Remote WINS Server</b> and enter the IP address of the WINS server. Optionally, set a <b>Server NetBIOS Name</b> . The NetBIOS name is the name the server uses in the SMB network. <b>Advanced Settings</b> provides access to detailed configuration, such as LDAP settings, user authentication sources, and expert global settings.	NetBIOS <u>F</u>	<u>l</u> ostna me		Advanced	I Settings ▼	

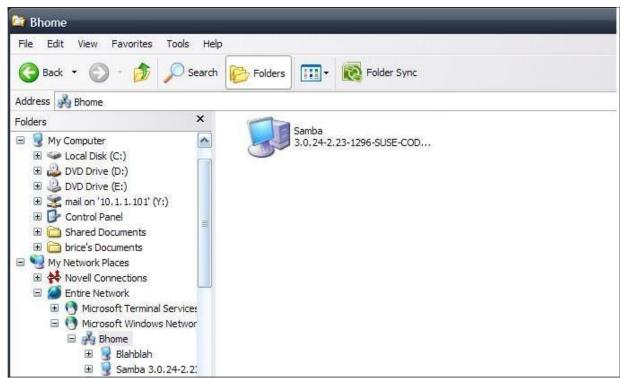
Since we created our own workgroup, we need to enable WINS 6 Server Support. Select Finish from the bottom right. You should be asked to specify a Samba root Password. Enter the root password, verify, and click OK Allow YaST to finish creating the share and start the Samba Service. This should be done automatically. Return to your Windows workstation and open an explorer

For a proper function, Samba administrative account (root).	a server needs an
It will be created now.	
Samba root <u>P</u> assword	
ĺ.	
Verify Password	
1	
OK Can	el

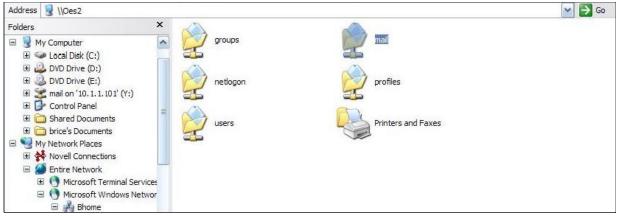
browser.

😂 My Com	nputer	_ 🗆 🔀
File Edit	View Favorites Tools Help	
G Back	- 🕥 - 🏂 🔎 Search 🔊 Folders 📰 - 🔞 Folder Sync	
Address	\\10.1.1.102	🔽 🋃 Go
Folders	\\10.1.1.102 \\10.1.1.102\sys\	
🕝 Desktop		lla
🕀 🔲 My Di	locuments Documents Documents	
🖃 😼 My C	Computer	

There are two ways to connect to your samba share. The first way, and usually the quickest way, is to enter the ip address of the server with the share in the format //<IP address> or you can also use the The second way to connect to the share is to browse to the server through the My Network Places tree.



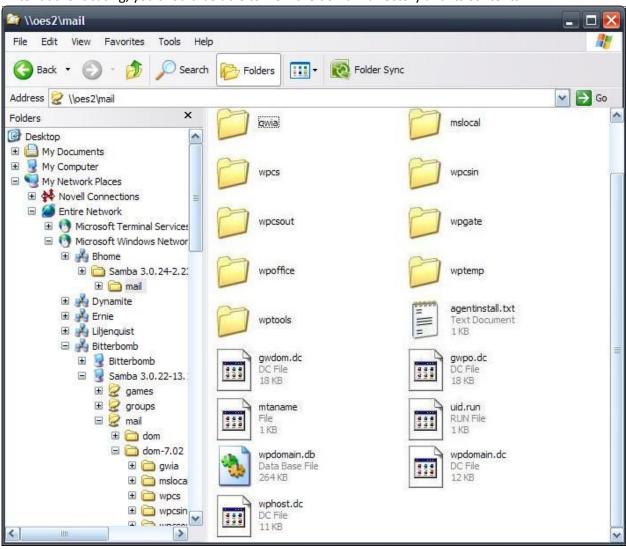
The share should show up like the pictured system above, under the workgroup you created.



Open the computer and locate the desired share. In this case, we called the share 'mail'.

Double-click on the share containing your domain database. You should be required to authenticate to the Samba system. Enter the user 'root' and the samba password you entered earlier.

Connect to oes	52.work 🛛 🤶 🔀
Connecting to oe	s2
User name:	🖸 root 📉
Password:	•••••
	Remember my password
	OK Cancel



After authenticating, you should be able to view the domain directory and its contents.

Now you know that your system is working. Right-click on the shared directory, in this case, 'mail'.

Select the Map Network Drive Option.



Assign the desired drive letter to your mapped Samba share to the GroupWise domain database.

Select Finish to complete the setup of the mapped drive.

Map Network Drive	-			
	and assig access the Specify t	can help you connect to gn a drive letter to the c he folder using My Comp he drive letter for the co want to connect to:	onnection : uter.	so that you can
and the second second	Drive:	V:	~	
	Folder:	\\Oes2\mail	Y	Browse
		Example: \\server\shar Reconnect at logon Connect using a <u>differe</u> Sign up for online stora <u>network server</u> .	ent user na	
		< Back Fir	nish	Cancel

### Sample Configuration File for Samba

WARNING: This sample file has no security whatsoever, but simply enables sharing of the desired directory. This essentially opens your directory to anyone who can see your network.

This sample configuration file is to be adapted and placed into the samba folder in your Unix system, for Suse, this is located at /etc/samba/smb.conf, other distributions may have this located at /usr/ samba/lib/smb.conf.

```
[global]
```

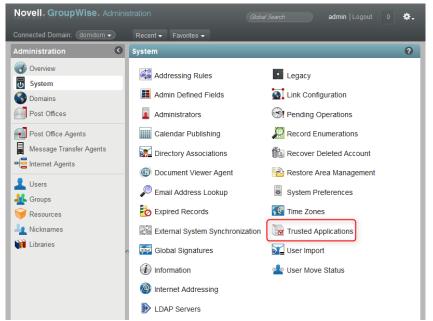
```
workgroup = WORKGROUP <name of your desired workgroup>
[domain] <name of your share — folder name in windows explorer>
comment = this comment will show up in windows properties
path = /mail/domain <absolute path to domain database>
read only = no
guest ok = yes
```

# **Trusted Application Key**

The creation process for a trusted application key differs between versions of GroupWise.

#### GroupWise 2014:

- 1) Open the GroupWise 2014 Administration Console in the web browser.
- 2) Go to 'System Trusted Applications



- 3) Click 'New' in the 'Trusted Applications' window.
- 4) A popup for a 'New Trusted App Key' will appear. Type 'Vertigo' in the 'Name' field.
- 5) Click 'OK'
- 6) You can either copy the key or click 'Export' to save it as a TXT file to make sure you do not lose the key.

New Trusted App Key	Close 🗙
Export	
Trusted Application has been created successfully. Please copy this key of a file.	r export it to
84E45C820D160000830C91681CF5CBBB84E45C830D160000A6D22258C	0929A62
0	ОК

New Trusted	d App Key Close 🗙	
Name:	Vertigo	
Description:		l
🔲 Restrict us	e of the trusted app key to connections from:	I
Address:		1
Port:	0 Require SSL	l
Provides M	essage Retention Service	I
Allow acc	ess to archive service	1
Archive Se	arvice Address:	1
Port:	0 Require SSL	l
0	OK Cancel	

#### GroupWise 8 / 2012:

- 1) Open ConsoleOne and connect to your GroupWise domain.
- 2) Go to 'Tools GroupWise System Operations - Trusted Application
- 3) Click 'Create' in the 'Configure Trusted Applications' window.
- 4) A new window to edit the Trusted Application key will appear. In the 'Name' field type 'Vertigo'.
- 5) Select a location and a name for the key file and click 'OK'.
- 6) Go to the location of the key file and open it with an editor.
- 7) Copy the key.

2	vertigotrustedkey.txt (~) - gedit 🛛 💷 🗙					
<u>F</u> ile	<u>E</u> dit <u>V</u> iew <u>S</u> earch <u>T</u> ools	<u>D</u> ocuments <u>H</u> elp				
	🖻 Open 🖌 🎦 Save	📇   🕤 Undo 🥐   👗 🗊 🗊	<b>~</b>			
🔳 ve	ertigotrustedkey.txt 🗶					
DC7CE281037C00008C0AB9F08FA8DE8DDC7CE282037C0000A3358476F149BC34						

<u>File Edit View Wizards</u> <u>Tools</u>	<u>H</u> elp		
	pWise System Operatio	ns 🕨	Select <u>D</u> omain
Grou	pWise Utilities	•	System Preferences
	pWise Diagnostics	•	eDirectory User Synchronization
	1000		Admin-Defined Fields
- R GroupWise System	1000		Pending Operations
- D GWDom	1000		Add <u>r</u> essing Rules
	1000		Time <u>Z</u> ones
	200		External System Synchronization
			Software Directory <u>M</u> anagement
	0.000		Res <u>t</u> ore Area Management
	0.000		Internet Addressing
			Trusted Applications
			LDAP Servers Global Signatures
	0000		Giobai Signatures Web Calendar Publishing Hosts
		l	meb Calendal Publishing hosts
ear. In the 'Name'	×	Edit Ti	usted Application ×
		11	
	Name: Description:	Vertig	10
	Description.		
the key file and click			
	TCP/IP Address:		
	Requires SSL		
and open it with an	🔲 Provides Message Ret	ention	Service
	Allow access to Arch	ive Ser	vice
	Archive Service addr	ess:	
	Archive Service re	quires	SSL
	Location for key file:	root	
_ = ×	Name of key file:	ertigotru	ustedkey.txt
			O <u>K</u> <u>C</u> ancel <u>H</u> elp

#### Vertigo

1) When the Trusted Application Key is created start Vertigo and connect to your GroupWise server.



- 2) Once you are connected go to 'File Enter Trusted App Key'.
- 3) Type in 'Vertigo' as 'Trusted Key Name' and paste the Trusted Application Key that was created and copied before in the 'Trusted Key' field.
- 4) Click 'OK'

5) A new window will appear to confirm that the Trusted Application Key was created successfully. Note that it might take a few minutes until all features can be used.

