# **GWAVA** Reveal

For GroupWise®

# Installation and User Guide

Version 2.0

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# Getting Started

### Intended Audience

This manual is intended for IT administrators in their use of Reveal or anyone wanting to learn more about Reveal. It includes installation instructions and feature descriptions.

### **Technical Support**

If you have a technical support question, please consult the GWAVA Technical Support section of our website at <u>www.gwava.com</u>. For technical support, call 801-437-5678.

### Sales and Licensing

To contact a GWAVA sales team member, or obtain a license please e-mail <u>info@gwava.com</u> or call Tel: 866-GO-GWAVA (866-464-9282) in North America or +1 514 639 4850.

100 Alexis Nihon, Suite 500 Montreal, QC Canada H4M 2P1 E-mail <u>info@gwava.com</u>

### About Reveal

Reveal is an e-mail auditing solution for Novell GroupWise<sup>®</sup> that provides a quick, safe and immediate access to a company's GroupWise<sup>®</sup> system so executives can review e-mail use for best practices and security.

### Contact Reveal Support

To contact support, please visit <u>http://support.gwava.com</u> for support contact information and hours of operation.

Email: support@gwava.com TEL: +1-801-437-5678

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# Introduction

Reveal allows authorized users to review the contents of any employee' mailbox, search for messages based on key words or content and retrieve these messages from GroupWise while maintaining the security of the system and leaving no hint to the mailbox owner that their e-mail accounts have been inspected for policy compliance. Reveal provides protection from information leaks, misuse of company e-mail, and legal liability. Reveal ensures that executives are able to accurately evaluate e-mail activity so they can properly enforce policy and procedure.

### Product Overview

From a MS Windows workstation connected to the GroupWise system, Reveal shows the executive any employee's live mailbox without the need for IT staff assistance. Authorized executives to review the contents of any employee's mail box, search for messages based on key words or content and retrieve these messages from GroupWise.

### Live Confidential e-mail Inspection

For legal, human resources and compliance auditors, Reveal provides the ability to maintain oversight to all e-mail communications within Novell GroupWise. Reveal monitors and scans all e-mail. This provides protection from information leaks, misuse of company e-mail, and legal liability. Executives can view live mailbox activity of individual users, and easily monitor company-wide e-mail communication.

### **Confidential e-mail investigations**

Reveal show authorized users the exact same mailbox that the user sees without any modification by an outside source.

### Licensing

Reveal is licensed per user. Reveal will operate as a demo for thirty days for testing purposes. Once the demo period elapses, you must purchase a license for the appropriate number of users on your system.

### Features

- Confidential e-mail Inspection
- > Mailbox content review
- Designed for auditors and legal staff
- Search employee mail
- Print and export employee e-mail
- > Confidential process No modifications are made to the mailbox
- Complete logging for review of auditing activities
- Supports full search capabilities of GroupWise
- View employee proxy settings
- View, export, and print employee address book
- > View, export, and print employee calendar

## Minimum System Requirements

- .NET framework 3.5 or higher
- Novell Client 4.91 (Novell client 2.0 must be installed for Windows 7, Vista, and Windows Server 2008.)
- GroupWise 6.5 with Support Pack 1 or better
- Reveal must be configured as a Trusted Application within GroupWise (Created during installation)
- Microsoft Windows 7, Vista, XP, or 2000 with GroupWise Windows Client v6.5.1 or later
- > 256 mb RAM
- > 10 mb hard drive space
- To export into Excel or Word formats, those Microsoft products must be installed
- Network access to your GroupWise system

It is highly recommended, for best printing results, to have Internet Explorer 7 or higher installed. While Internet Explorer 6 will work, it is not recommended due to security flaws.

# Installing Reveal

Reveal installs on your Windows XP desktop with GroupWise 6.5 SP1 Windows Client installed connecting to a GroupWise 6.5 SP1 e-mail system. You do not need to be running GWAVA or any other GWAVA products to be a Reveal administrator.

Download Reveal from http://www.gwava.com

Launch the Reveal set up executable. The first screen is informational: click **Next** to begin. The executable runs a script to ensure its install wizard is configured correctly. Click **Next**.



### License

Reveal is commercial software and licenses for its operation must be purchased from GWAVA. Please read the license agreement and click to agree to the terms to continue. Click **Next** when ready.

Clicking **Back** or **Cancel** will leave your computer unchanged.

🚏 GWAVA Reveal 2.0 - InstallShield Wizard	
License Agreement Please read the following license agreement carefully.	eveal
GWAVA Inc.	
Software License Agreement	
THE FOLLOWING CONSTITUTES THE USER AND SOFTWARE LICEN AGREEMENT THAT IS ATTACHED TO THE SOFTWARE THAT YOU A ABOUT TO DOWNLOAD.	
I accept the terms in the license agreement     I do not accept the terms in the license agreement	nt
InstallShield	cel

### **Destination Folder**

The next screen is used to select where on your workstation Reveal will be installed. The default location is c:\program files\GWAVA\GWAVA Reveal; however another location can be chosen. Regardless, a shortcut to Reveal will be placed on your desktop

Clicking **Back** or **Cancel** will leave your computer unchanged.

The Install Wizard is now ready to create your Reveal folder. Click Install to place a copy of the Reveal software on your workstation. Clicking **Back** or **Cancel** will leave your computer unchanged.

The wizard will install Reveal. Click Finish to close the installer. You can also enable the **Launch GWAVA Reveal** checkbox to launch the software immediately.

### What's Next?

The software has been installed, but now it needs to be configured. This is merely a matter of letting Reveal know where your GroupWise mail system keeps its files. Make sure to copy



🞼 GWAVA Reveal - InstallS	ihield Wizard 🛛 🔀
Reveal	InstallShield Wizard Completed
Reduce liability Meet Legal Obligations Protect Intellectual Property	The InstallShield Wizard has successfully installed GWAVA Reveal. Click Finish to exit the wizard.
	Launch GWAVA Reveal
	< Back Finish Cancel

< Back

Install Cancel

the license file to the program location or Reveal will not function.

# **Reveal Licensing**

For Reveal to function correctly, the license file, ("license.pem"), must be copied into the program install directory prior to program use. By default this is located at:

C:\Program Files\GWAVA\GWAVA Reveal

Always keep a copy of your program license for archive and backup use. The license must not be renamed, and must be called 'license.pem'.

If you need to obtain a license for Reveal, contact Sales at: info@gwava.com Tel: 866-GO-GWAVA (866-464-9282) in North America or +1 514 639 4850 100 Alexis Nihon, Suite 500 Montreal, QC Canada H4M 2P1

# Upgrading from a previous version

The Reveal Installer also contains an updater for upgrading older versions of Reveal.

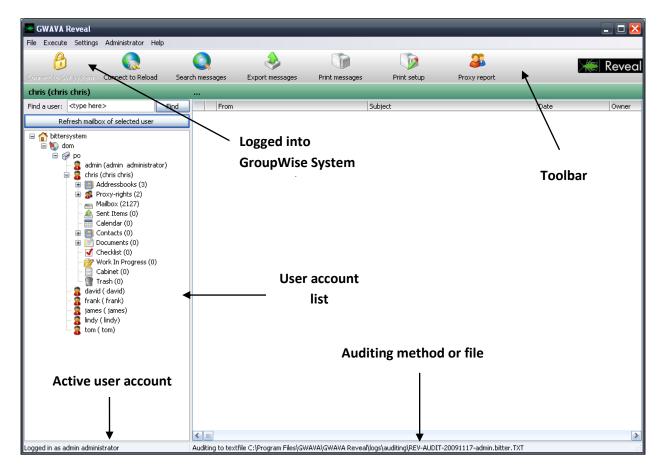
- Launch the installer. If the installer has a version of Reveal that is newer than is installed, a dialogue box will be presented asking whether an upgrade should be applied. Click **Yes** to continue.
- Click Next to apply the update and Finish when complete.
- The Installer also has the ability to modify an installation by selectively applying new features. Run the installer. Select Modify. Select the specific features required, then click Next and Install.
- > Do not forget to install the new license.





# Using Reveal

From this elegant interface, executives can examine their users' mailboxes instantly. The toolbar and menu system provide easy access to program functions. Reveal is organized with users to the left, and information to the right. To open a user's account, double-click on the desired user. Single clicking will only select, while double-clicking opens an item, mailbox, folder, or user. All columns in the information window can be set as filters to sort data. Reveal also displays the active user and auditing file or method directly on the bottom of the interface.



# Connecting to the GroupWise System

Connecting for the first time successfully involves nothing more than pointing Reveal at the database where GroupWise mail is stored on your network. (The first time you connect to a

GroupWise system, Reveal creates a Trusted Application Key. Allow a few minutes after key creation for the Trusted App. Key to be propagated through the system to ensure Reveal has access.



Select Connect to GroupWise system. A screen will be presented asking you to identify the path your primary domain directory and provide appropriate credentials.

### Step 1.

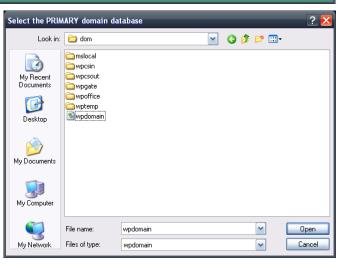
In order to connect to the GroupWise system, you must have access to the GroupWise domain database, either through the local machine or over the network, (if using a SAMBA share, you must select the 'Use SAMBA' box).

If you are already signedon with a GroupWise client, then you may use the current account. Otherwise you will have to provide credentials.

GWAVA Reveal	to a Groun	) Wise system	2	X
	•		e system, you have to follow the	se three easy steps:
Step 1: Log in to the	e desired Grou	ıpWise system		
It seems that GroupWise is logged in to the desired Gro			ed in. This doesn"t necessarily m ection:	ean that you are
Select the account you	want to use:	User ID:	admin	
💽 Use current logged	l in account	Password:		
🔘 Use other login cre	dentials	Address:	192.168.1.105	
		Port:	1677	
Your rights to the Group Or Retrieve all object: O Retrieve all object:	oWise domain direct s from the 'live' Gro	tory enable you to:- oupWise system and	<b>jects</b> (re)create the cache file for othe	r users.
			ок	Cancel
s		Y domain databas		? 🔀
	Look in: 🜔	🕽 dom	<u> </u>	▶ 📂 🖽 -
ain		mslocal wpcsin		
se button.	nig nooonk	wpcsout		
	Documents 📔	wpgate		

### Step 2.

You must browse to the Domain database. Select the '...' browse button A dialogue box will be presented. Navigate to the GroupWise database. To license your copy of Reveal, write access is needed to the Domain Directory of your GroupWise system. Locate the file called wpdomain.db. Select it.



#### Step 3.

Select which objects to retrieve from the live system, or to retrieve from the cache file. **Make sure that you select to read from the live system the first time you connect** in order to create a cache file. (Reveal creates and saves the cache file in the domain directory.) Caching objects in the system speeds up Reveal's system and leaves the GroupWise system free from initial traffic. The cache mechanism is for performance improvement only.

### Default Password

You will be asked for your *case-sensitive* Reveal password. For new installations, your default administrator password is GWAVA (all capitals).

This completes the installation and first run requirements. The network—and users in it—will now appear in the left-hand pane. You can now use Reveal.

REMEMBER to change the default password!

can now

Type password:

After logging-into Reveal for the first time, select Administrator | Change password from the

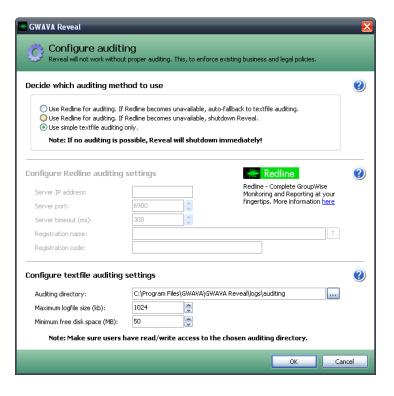
program menu to change the Reveal system password.



### **Reveal Auditing**

The configuration page will be shown by default if auditing has not been previously setup. If previously setup, this configuration may be accessed through the program menu. (Adminitrator | Reveal auditing ) Reveal Auditing keep logs and track of which users connect to the system, and which operations were performed, at which time. Auditing can be performed by simple text file, or Reveal may integrate with GWAVA Redline.

Select the desired method and enter the required information. Select **OK** to continue.



### The Menu system

$\triangleright$	File	
	0	Close
$\triangleright$	Execute	
	0	Connect to GW system
	0	Search Messages
	Settings	
	0	Languages
		<ul> <li>Dansk</li> <li>Deutsch</li> </ul>
		<ul> <li>English (the default)</li> </ul>
		<ul> <li>Nederlands</li> </ul>
	0	Create LogFile
$\triangleright$	Administra	ator
	0	Change Password
	0	(Re)Create Trusted Application Profile
	0	Reveal Auditing Reveal rights
Ν	÷	Neveat rights
	Help	About CMANA Deveel
	0	About GWAVA Reveal GWAVA Reveal on the web (links to GWAVA.Com)
	0	Registration (Enter license)
		5

### Create Log File

The debuglog.txt file is useful in diagnosing Reveal's behavior and improving performance. It is stored in the Reveal program directory.

### (Re)Create Trusted Application Key

The creation of a new security key for connecting to your GroupWise database may be required on occasion. **Note** - Selecting this option may require that you wait one or more minutes before the key enters operation.

### **Reveal Rights**

Reveal allows different users to be setup with specific rights to different accounts and domains. By default, users will have the same rights to accounts as they do in the GroupWise system. For Administrators, those rights will be global. All other users will only have the rights that have previously been granted, or which are granted in this system.

There are two sections to the Reveal rights which may be modified, Global and Personal rights.

The Global rights menu modifies the rights to the entire system. Global rights, when set, override any personal rights which have been previously set.

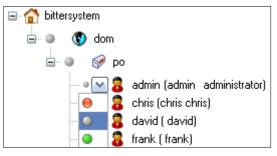
GWAVA Reveal rights editor This application allows you to give specific rights to Reveal auditors.	
ibal rights] Personal rights	
ere you can define the global rights of Reveal. These global rights are then applied to	Make the object visible to the selected auditor
very Reveal auditor. You can set the visibility of an object to either visible or invisible lease keep in mind that if you hide an object for the auditor, all objects below it will be diden too. For example, if you hide a postoffice, all subsequent users of this postoffice ill be hidden too.	e Make the object invisible to the selected auditor
Status info	🖃 🏠 bittersystem
.ocal settings file used:	🖃 🧿 🔇 dom
C:\Program Files\GWAVA\GWAVA.Reveal\settings.ini	
	<ul> <li>admin (admin administrator)</li> </ul>
Primary domain location:	<ul> <li>A chris (chris chris)</li> </ul>
\\192.168.1.105\mail\dom\	o 💈 david ( david)
	🧧 🤱 frank ( frank)
Cache file used:	🧼 🧧 🧧 james (james)
\\192.168.1.105\mail\dom\gwsystem.xml	🗧 🚼 lindy (lindy)
Rights file used:	
\\192.168.1.105\mail\dom\userrights.ini	

Personal rights allow individual rights to be set for each selected user to allow or deny access to specific accounts.

ONLY the selected user's rights will be modified. To modify a user's rights, you must first select the desired user.



To modify rights for either Global or Personal, the item or user which rights are to be granted for must be modified. On mouse-over, a down arrow appears next to each user. Select the down-arrow and then select the setting desired. (Hidden, dependent on global rights, or shown.)



**NOTE**: Auditing and admin rights also depend on the rights of the logged-in Novell account. For an auditor to have rights to see other account's mailboxes, their Novell client login must have read and file scan rights to the primary domain. Limited rights auditors logged in using the admin Novell account will be able to change their own rights within Reveal.

### About

This informational screen presents information about your Reveal installation. It is useful for determining which build version is in use and other general debugging requirements.

# **Finding Users**

🗯 GWAVA Reveal		_	_	_	_	_	- 🗆 🔀
File Execute Settings Administrator Help	•				~		
6 🔂				<b>V</b>	<b>2</b>		🗮 Reveal
Connect to GW system Connect to Reload Sea	arch messages	Export messages	Print messages	Print setup	Proxy report		
chris (chris chris)							
Find a user: <type here=""> Find</type>	From		Su	bject		Date	Owner
Refresh mailbox of selected user							
🖃 🏠 bittersystem							
🖹 🧕 dom							
<ul> <li>Po</li> <li>admin (admin administrator)</li> </ul>							
😑 🧧 chris (chris chris)							
Addressbooks (3)							
Proxy-rights (2) — Mailbox (2127)							
- 🙈 Sent Items (0)							
– 🔚 Calendar (0)							
Generates (0)     Generates (0)							
Checklist (0)							
- 📸 Work In Progress (0)							
- 📄 Cabinet (0) - 🔐 Trash (0)							
avid ( david)							
- 💈 frank ( frank)							
ames (james)							
- 🤱 lindy (lindy) - 🧝 tom (tom)							
	<						>
ogged in as admin administrator		tfile C:\Program Eiles\GW		s) audition) REV-AUDT	-20091117-admin.bitter.T	XT	

To examine a specific user's mail account, select the user from the list of accounts. To locate a user, use the Find a user field. Enter a name and click the **Find** button. **Note** - the **Find** field only locates users from the list, it does not search for content.



Contacts and Calendars Once Reveal connects to a user mail box, access is gained to that user's address book and calendar data.

	Addressbook	cochrane) -	Frequent Contac	ts				
Mailbox (C			E-Mail Address		CreateDate	LastModificationDate	User ID	First Name
Sent Item	admin	NGW	a@gwava.com		06/01/2005 10:22:51 am	06/02/2005 03:00:57 pm	admin	
alendar i	taylorc@vide.ca		taylorc@vide.ca		06/23/2005 12:44:38 pm	06/23/2005 11:38:31 am	taylorc	
ontacts	tc@gwava.com		tc@gwava.com		06/23/2005 12:02:54 pm	07/11/2005 05:09:25 pm	tc	
Document Document Document Document Document								

# Searching Messages

The Search messages button presents the content searching tools



window. From this screen, administrators can search for any content, attachment or element of any e-mail.

- Run, load and save searches
- Users
- Subject
- Message text
- Any field (any key words in any location)

- > Sender
- Recipients
- > Attachments
- ➢ Size
- Date Range

🗭 Search messages		-		_ 🗆 🔀
🔶 🕥				
Export messages Print messages	-			
Search!	From	То	Subject	Date
From this screen, you can search all mailboxes for specific content.				
To use this functionality, specify the search criteria in the tabs below, (select user-mailboxes to search in, specify text to search for etc.) and click on "Execute search". Optionally, you can save the created criteria for later use.				
Open search criteria				
Jave search criteria				
🥩 Clear searchcriteria				
Currently loaded criteria:				
🔑 Search!				
😫 Users				
Subject				
🖄 Message text				
🛠 Any field				
🔮 Sender				
Recipient(s)				
🦻 Attachments				
🍮 Size				
🜛 Date range				
	<			>

Search criteria is accessed from the toolbar on the left, organized under categories. To modify a category, select the desired category then add, remove, or define the desired criteria.

To perform a search, fill out the desired criteria and click the **Execute Search** button. The search window will appear and require the user to select the **Start** button. Searches on large mailboxes may take some time. Select the **Start** button to continue.

Search	
User: Scanning mailbox: Number of messages in current mailbox: Number of results in current mailbox: Progress current mailbox:	Skip this mailbox
Overall: Total number of messages scanned so far: Total number of results so far: Overall progress:	
Keep existing results Start to search	Start Close

When the search has completed, you the search window will display the total number of messages searched and loaded. Click the Close button to continue to the search results.

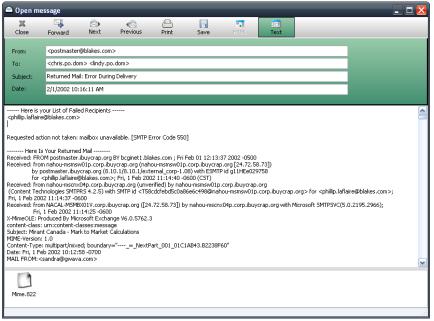
🖉 Search		X
<b>User:</b> Scanning mailbox: Number of messages in current mailbox: Number of results in current mailbox: Progress current mailbox:	tom ( tom) 4254 Skip this mai 103	ibox
Overall: Total number of messages scanned so far: Total number of results so far: Overall progress:	22710 515 	
Keep existing results 😗 Ready	Start	se

If the search results are excessive, specify more restrictive criteria.

The column titles are clickable and can be used to sort your messages. triangle indicates the sorting direction of the active column.

Export messages Print messages				
Search!	From	То	Subject	Date 🗸
	<kennel5@tdbank.ca></kennel5@tdbank.ca>	<chris.po.dom></chris.po.dom>	Re: where was the cute girl?	2002/01/31 1:08:
From this screen, you can search all mailboxes for specific content.	<chris@ibuycrap.org></chris@ibuycrap.org>	<"rlaird@natsource	RE:	2001/08/09 9:43:
To use this functionality, specify the search criteria in the	<chris@ibuycrap.org></chris@ibuycrap.org>	<"sales@varsitychr	RE: Grand Cherokee	2001/08/28 5:11:
tabs below, (select user-mailboxes to search in, specify text	<chris@ibuycrap.org></chris@ibuycrap.org>	<"rlaird@natsource	RE:	2001/08/14 10:5;
to search for etc.) and click on "Execute search".	<chris@ibuycrap.org></chris@ibuycrap.org>	<"rlaird@natsource	RE: A pleasant thought for long term investors	2001/09/20 3:42:
Optionally, you can save the created criteria for later use.	<chris@ibuycrap.org></chris@ibuycrap.org>	<"flemingryan99@	RE:	2002/01/10 4:20:
	<chris@ibuycrap.org></chris@ibuycrap.org>	<"kerrie.murray@t	RE: Good News!	2001/08/24 10:5:
Open search criteria Execute search!	<chris@ibuycrap.org></chris@ibuycrap.org>	<"migeorge@deloit	RE: supper	2001/11/20 12:30
	<ssinclair@simsfurniture.com></ssinclair@simsfurniture.com>	<chris.po.dom></chris.po.dom>	Re: Stickley Furniture	2002/01/24 4:36:
😃 Save search criteria	<chris@ibuycrap.org></chris@ibuycrap.org>	<"rlaird@natsource	RE:	2001/08/29 11:3:
Ilear searchcriteria	<chris@ibuycrap.org></chris@ibuycrap.org>	<"flemingryan99@	RE:	2001/08/01 1:55:
	<chris@ibuycrap.org></chris@ibuycrap.org>	<"rlaird@natsource	RE:	2001/12/12 12:36
Currently loaded criteria:	<chris@ibuycrap.org></chris@ibuycrap.org>	<"traci.mcbride@ra	RE: Hello	2002/01/22 11:34
	<chris@ibuycrap.org></chris@ibuycrap.org>	<"rlaird@natsource	RE:	2001/08/14 12:46
P Search!	<chris@ibuycrap.org></chris@ibuycrap.org>	<"rlaird@natsource	RE:	2001/08/09 9:58:
😫 Users	<chris@ibuycrap.org></chris@ibuycrap.org>	<"rlaird@natsource	RE:	2001/08/09 9:37:
pa Users	<postmaster@blakes.com></postmaster@blakes.com>	<chris.po.dom></chris.po.dom>	Returned Mail: Error During Delivery	2002/02/01 10:16
Subject	<chris@ibuycrap.org></chris@ibuycrap.org>	<"kennel5@tdbank	RE: where was the cute girl?	2002/02/01 9:58:
	<dbrown@natsource.ca></dbrown@natsource.ca>	<chris.po.dom></chris.po.dom>	RE:	2002/02/06 2:43
🖄 Message text	<judy.perdomo@ca.pwcglobal.com< td=""><td>&lt;"tamara.l.utsch@</td><td>Need address for your tax organizer, please!</td><td>2002/02/06 11:02</td></judy.perdomo@ca.pwcglobal.com<>	<"tamara.l.utsch@	Need address for your tax organizer, please!	2002/02/06 11:02
	<chris@ibuycrap.org></chris@ibuycrap.org>	<"sales@varsitychr	RE: Grand Cherokee	2001/08/27 2:57:
📩 Any field	<chris@ibuycrap.org></chris@ibuycrap.org>	<"sales@varsitychr	RE: Grand Cherokee	2001/08/29 7:30:
	<advdfeedback@investools.com></advdfeedback@investools.com>	<chris.po.dom></chris.po.dom>	December 31, 2001 - January 4, 2002 Edition	2002/01/03 1:40:
🙅 Sender	<angela.mcculloch@ibuycrap.org></angela.mcculloch@ibuycrap.org>	<"carlos.torres@ib	FW: US West Hydro on the Rise, Demand Low -	2002/01/28 4:37:
	<chris@ibuycrap.org></chris@ibuycrap.org>	<"dawn.doucet@ib	Employment Contract	2001/09/13 12:4:
Recipient(s)	<chris@ibuycrap.org></chris@ibuycrap.org>	<"rlaird@natsource		2001/08/09 8:35:
Attachments	<chris@ibuycrap.org></chris@ibuycrap.org>	- <"rlaird@natsource	RE:	2001/08/29 11:3:
	<chris@ibuycrap.org></chris@ibuycrap.org>	- <"rlaird@natsource	RE:	2001/08/21 7:35:
🕘 Size	<chris@ibuycrap.org></chris@ibuycrap.org>	<"rlaird@natsource		2001/12/11 8:12:
	<chris@ibuycrap.org></chris@ibuycrap.org>	<"rlaird@natsource		2001/08/14 9:42:
🜛 Date range	<chris@ibuycrap.org></chris@ibuycrap.org>	<"dawn.doucet@ib		2001/08/22 6:13:
	<chris@ibuvcrap.org></chris@ibuvcrap.org>	<"rlaird@natsource	RE:	2001/08/21 7:31:

Click on a mail message to read or export. Note that for any message attachments, the attachments still require their programs. For example, to read a Microsoft Word document that was attached to a mail message, you must have word installed.



17

The directional

Subject abla

### **Search Criteria**

This feature lets Reveal administrators save often used searches. Reveal has several default searches installed as examples.

🗁 Open search criteria

The **Open Search Criteria** button presents a new window with search scripts for your selection. The default example searches are:

- Default Empty (any search criteria)
- Date Range –1-5-2005 and 1-10-2005
- Too Big All mail larger than 2 mb
- Unwanted attachments All mail with non businessrelated attachments like mp3 and avi
- Unwanted senders All mail from unwanted senders that have attachments



Click the Execute button to run the search

Search!	
From this screen, you can s specific content.	search all mailboxes for
To use this functionality, specifitabs below, (select user-mailbox to search for etc.) and click on Optionally, you can save the cr	xes to search in, specify text "Execute search".
혇 Open search criteria	Execute search!
👃 Save search criteria	
🦪 Clear searchcriteria	
Currently loaded criteria:	
🔎 Search!	
😫 Users	
Subject	
🖄 Message text	
📌 Any field	
👲 Sender	
Recipient(s)	
🤗 Attachments	
🅙 Size	
🜛 Date range	

📕 Save search criteria

The last search can be saved by clicking the **Save** search criteria button.

You will be asked to name the search, and provide a description. Click **OK** once the description has been entered. Please use a plain text description that will be easy to understand in the future.

Clicking Search now will show your saved search in the list of available actions.



**Note** - Searches are stored in the GWAVA Reveal/Searches directory and can be directly edited by the more technically-minded.

### Adding search criteria

When saved search criteria is loaded, the **Add to existing criteria if possible** checkbox allows complex searches to be built quickly. It adds the characteristics of the selected search to your existing search.

### **Exporting Search Results**

To save a specific mail, or a range of mails, right click the results window. This presents a drop-down menu with the following options:

- > Open Message
- Save Message(s)
- Forward Message(s)
- Export message list
  - As HTML document
  - $\circ \quad \text{As CSV document} \\$
  - As MS-Excel Document
- Save Result List
- Open Result List

	Open message	
	Save message(s)	
	Forward message(s)	
	Show/hide columns	
	Print messagelist	
	Print message(s)	as HTML document
t	Export messagelist 🔹 🕨	as CSV document
	Export message(s)	as MS-Excel document

### **Result Lists**

Results can be saved by right-clicking. Note that a range of messages can be selected. Previously saved result list can be opened.

Save As						? 🔀
Save in:	🚞 Searches		~	G 🦻	• 📰 💙	
My Recent Documents	Daterange.sear     Default.search     mysearch.search     TooBig.search     TooBig.search     UnwantedAttac     UnwantedSende	h	ו			
My Documents						
My Computer						
	File name:	searchresults			~	Save
My Network	Save as type:				~	Cancel

GWAVA Reveal

New keyword:

OK

Cancel

### Users

To search the mailboxes of specific accounts, click the Users tab. Then select the user or users to be included in your search.

### Subject

To search the mailboxes for mail using specific subjects, click the Subjects tab. Then select the user or users to be included in your search.

- Using the Any keyword function returns the broadest range of results
- Using the Keyword(s) in list feature by selecting words from the list presented to narrow a search

To edit the keyword list select the **Edit the keyword list** button to open the keyword list menu. Select the action you wish to perform. Keywords must be present for some functions to work. (ie. You cannot Select all, Edit, or Remove

keywords from an empty list.) After desired keywords have been added, the list can be saved, loaded, and added to other lists.

The Keyword list window is used for the **Subject**, **Message Text**, **Any Field**, **Sender**, **Recipient(s)**, and **Attachments** criteria. Each search criteria requires the specified keywords under that search tab to be found in their respective areas.

### **Message Text**

To search for mail using specific text strings, click the Messages text tab. Then select the user or users to be included in your search.

keywords	
or this keyword list do: –	

<u>S</u> elect all
<u>D</u> eselect all
Edit keyword
<u>A</u> dd keyword
<u>R</u> emove keyword
Sa <u>v</u> e keyword list
Load keyword list
Add list to keyword

	🧟 melissa ( mitchell) 🗌 🔕 sean ( peters)	
-	y keyword	
⊙ Ke	yword(s) in list:	
	this keyword list do:	
	Find ALL keywords 💿 Find ANY keyword	
	Edit the keyword list	
	·	

Edit the keyword list

O All users

😮 GWSYS2

Selected users only

### **Any Field**

To search all fields in mail messages—not merely subject lines, to and from headers—select the Any Field tab.

### **Sender and Recipients**

To search for keywords in mail sent by users on your network, click the Sender tab. To search for mail recipients of mail with certain keywords, click the Recipients tab.

### Attachments

Click the **Attachments** tab to search for documents and files appended to e-mails in your system. There are two options for helping narrow your searches for attachments:

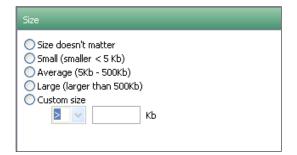
- Message MUST contain an attachment This returns all mail with attachments
- Attachment type in list (Select the attachment type required for your search.) This narrows search results

Attachments
Message MUST contain an attachment Attachment type in list:
For this keyword list do:
Find ALL keywords   Find ANY keyword
Edit the keyword list

### Size

To search the mailboxes for e-mails based upon the size, click the **Size** tab. There are four options for helping narrow your searches for attachments:

- Size doesn't matter (the default)
- Small (Less than 5 k)
- Average (5kb-500kb)
- Larger (Larger than 500kb)
- Custom size (insert operator with value)



### **Date Range**

Reveal allows administrators to search for messages by date.

The default is to report all messages (the date doesn't matter option). To

narrow a search to within a date range, click on the calendar to choose a **Start Date** and an **End Date**.

The greater left and right arrows can be used to navigate months and years.





## **Export Messages**

At any time after connecting to the GroupWise system, Reveal can export messages from multiple or single mailboxes in the system. To Export messages, select the **Export Messages** button from the toolbar to launch the export utility. The Export utility can also be started from the right-



click menu. This is most useful when export is desired for only a few messages. Select the message, or multiple messages using ctrl-click, then right-click on the messages and select **Export message(s)** from the right-click menu.

The export utility guides through the process of selecting and exporting mass amounts of messages from the system.

From the export utility, select either **All currently selected messages** or **Complete Mailboxes** as your export source.

🗧 GWAVA Reveal		×
	ges or mailboxes mplete mailbox contents will be exported to a directory-structure on disk.	
What do you want to ex	port?	(2)
<ul> <li>All currently selected mailsocked</li> <li>Complete mailboxes</li> </ul>	issages	
Select which mailboxes	to export	?
User account(s):	admin chris david	
Mailboxes selected:	3 users selected	
	export incoming shared folders	
Export options		(2)
Export format:	MIME	
Export to location:	c:\reveal export	
Minimum free diskspace (MB)	50	
Exclude these attachments:	✓ mime.822 text.htm Advanced expo	ort options
_	Ok	Cancel

If you are exporting complete mailboxes, select which users you wish to export. Click the '…' browse button to select the desired mailboxes from the GroupWise tree.

Messages can either be exported in MIME, or Advansys Archive To Go format. The export utility asks where to export the files to, and defaults to the **C:\reveal export** directory.

Users may also select to exclude the mime.822 and, or text.htm attachments to messages in the export list.



Advanced export options allow the exclusion of all attachments and the option to Use the personalized subject when available.



# **Proxy Report**

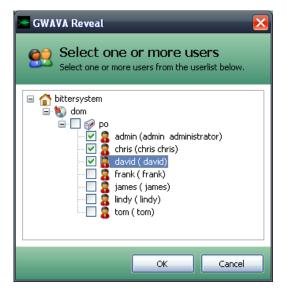
Reveal can generate reports on which user has proxy rights applied for other accounts. First, select the **Proxy report** button from the toolbar to launch the utility.



GWAVA Reveal	_	_	_	_	
Create a report of a	t Il proxy settings from all or	selected users.			
Gelect the mailboxes	to include in the pro	xy report			(
User account(s):	admin chris david				
Mailboxes selected:	3 users selected				
User	Read tasks	Write tasks	Subscribe to alarms	Subscribe to notifications	Notify prefs/rules/gr
<				ш	

You must specify the Users the proxy report will include. Entire post offices may be selected, or individual users. To select the users, click on the '…' browse button to launch the user selection window, and select the desired users from the GroupWise system tree.

When the users have been selected, click the **OK** button to return to the proxy rights utility. Select the **Create report** button to generate the report for the desired users.



When the report has been created, you are immediately prompted to save the report. By default, all format options are selected and will save in the specified locations.

GWAVA Reveal		_ 🗆 🔀
Select which types of reports you want to save.		
Save to HTML file		
C:\Documents and Settings\brice\My Documents\proxyreport.html		
Save to CSV file		
C:\Documents and Settings\brice\My Documents\proxyreport.csv		
Save to XML file		
C:\Documents and Settings\brice\My Documents\proxyreport.xml		
	Save	Cancel

Select or deselect the file formats and change locations as desired, then click **Save**. If you select **Cancel** then the proxy report will not be saved and must be recreated to be viewed later. Once saved, the report will be displayed.

GWAVA Reveal	_	_	_	_	_ 🗆 🔀
Create a report of	rt all proxy settings from all o	r selected users.			
Select the mailboxes	s to include in the pro	oxy report			(2)
User account(s):	admin chris david				
Mailboxes selected:	3 users selected				
User	Proxy account	Read mail/phone	Write mail/phone	Read appointments	Write appointment:
admin administrator	<all access="" user=""></all>	-	-	-	-
chris chris (chris)	<all access="" user=""></all>	-	-	-	-
	admin administrator	-	-	-	-
david (david)	<all access="" user=""></all>	-	-	-	-
<					>
				Create r	eport Close

# Connect to Reload

Reveal can connect to a Reload system to browse a backup of the live system instead of the live post office. This can be used to browse the mail in a backup either to view deleted items, or to relieve the pressure on the live system.

To connect to a Reload system, select the **Connect to Reload** button from the toolbar.

				Connect to Rel
GWAVA Reveal		_		
	ting to a Reload ser			
	a Reload server in order to open (	earlier backed-up mailboxes.		
dit the list of I	Reload postoffices			
Postoffice name	IP address / dns name	port 🛆	Add	
ро			Edit	
			Delete	
		<u> </u>		
		ОК	Cancel	

Reveal will open a window listing the post offices in your system. To connect to the Reload system, the address and port of the archive must be specified.

🔚 GWAVA Rev	eal 🛛 🔀	3
	or edit a Reload postoffice Il in the fields below.	
Postoffice name: IP address: port:		
	OK Cancel	

Specify the connection information and select **OK**. While Reveal is connected to a Reload system, the

**Connect to Reload** button on the toolbar will be highlighted. To disconnect from the Reload backup and return to the live system, click on the highlighted button to switch the Reload connection off.



**NOTE**: To access the Reload post office backup, the Reveal Trusted Application Key must exist in the backup; Reveal cannot access Reload backups before the Trusted Application key was created.

# Appendix 1: Troubleshooting

There are only a few reasons Reveal may have issues during operation.

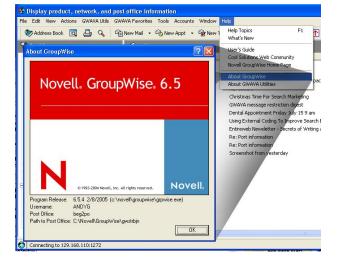
- You are not able to connect to the GroupWise system Ensure that your Reveal installation has access to the wpdomain.db
- You are not using a GroupWise Client v6.5.1 or later
- You are not currently logged into GroupWise during operation of Reveal
- Your Trusted Application Key is invalid and must be recreated
- User mailboxes are disabled

### GroupWise version

Ensure your GroupWise client—the mail program installed on your PC—is at least GroupWise 6.5.1 or later. To check, launch your GroupWise client.

Select **About GroupWise** from the Help menu.

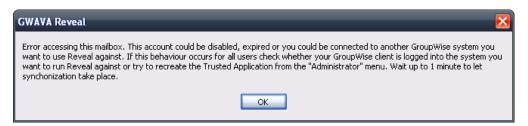
Note the Program Release field in the pop-up window. It must say 'GroupWise 6.5.1' or later.



Click **OK** when done.

### If you cannot connect to users' mailboxes

User accounts are no longer enabled. Ensure Reveal is operating in on-line mode and not caching mode to ensure that the user list is up to date. Also check that you are logged into a GroupWise mailbox of a GroupWise system with which Reveal is to be used.



### Tip! - Create Log File

Enable log file creation from the Settings Menu. The Log file is useful in debugging Reveal's behavior and can be found in the Reveal program directory with the name debgugginglog.txt.

### **Re-run the installer**

The Reveal installer has a built-in repair function. Launch the installer, click the **Repair** button, **Next** and then **Install**.

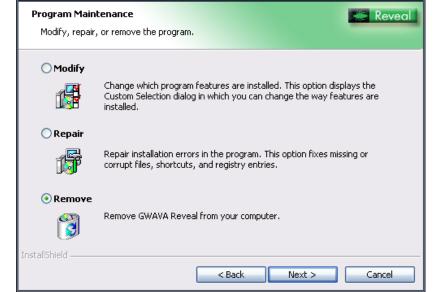
🔀 GWAVA Reve	eal - InstallShield Wizard 🛛 🔀
Program Main	TOYOUT
Modify, repair,	, or remove the program.
○ Modify	
1	Change which program features are installed. This option displays the Custom Selection dialog in which you can change the way features are installed.
💿 Repair	
1 <sup>5</sup>	Repair installation errors in the program. This option fixes missing or corrupt files, shortcuts, and registry entries.
ORemove	
8	Remove GWAVA Reveal from your computer.
InstallShield ———	
	<pre></pre>

😸 GWAVA Reveal - InstallShield Wizard

# Appendix 2: Uninstalling Reveal

Removing Reveal is a straightforward, entirely automated process.

Launch the Reveal set up executable. Click the **Remove** radio button. Then, click **Next**.



You will be asked to confirm the removal. If you wish to proceed, click **Remove**. If not, click **Cancel** to leave your Reveal installation untouched.

The installer will then remove the program from your computer. Once this has been accomplished, click **Finish**.

🤯 GWAVA Reveal - InstallShield Wizard 🛛 🛛 🔀
Remove the Program     Reveal       You have chosen to remove the program from your system.     Image: Comparison of the program from your system.
Click Remove to remove GWAVA Reveal from your computer. After removal, this program will no longer be available for use.
If you want to review or change any settings, click Back.
InstallShield < Back Remove Cancel

### Appendix 3: Search Scripts

Below is an example of the search criterion script for non-business-related attachments. Saved scripts are in the GWAVA/GWAVA Reveal/Scripts directory. Here is what a sample script looks like in its raw form.

#### [Description]

SearchDescription=All mail with unwanted attachments like mp3, avi, etc.

#### [Subject]

Any keyword=1 Selected subjects=0

#### [MessageText]

Any keyword=1 Selected MessageTexts=0

#### [Any field]

Any keyword=1 Selected AnyFields=0

#### [Sender]

Any keyword=1 Selected Senders=0

#### [Recipients]

Any keyword=1 Selected Recipients=0

#### [Attachments]

MustHaveAttachment=1 Selected Attachments=1 Item0=avi Item1=mov Item2=mp3 Item3=mpeg Item4=mpg Item5=ogg Item6=swf Item7=vqf Item8=wav

#### [Size]

AllSizes=1 Small=0 Average=0 Large=0 Custom=0 CustomValue=2000

#### [Date]

AllDates=1 Selected dates=0 StartDate=<not set> EndDate=<not set>

# Samba Creation

### 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.) Wait



for the software screen to initiate. You should see a screen that looks like this.

		YaST2@oes2						_ = ×
	<u>File Package Extras H</u> elp							
	Filter: Search	Package	Summary Size	Avail. Ver. Ir	nst. Ver. So	urce		
Change the Filter								
option to Search,	Searc <u>h</u> :							
and search for	Search	2						
Samba.	Search in          Search in         X Name         X Summary         Description         RPM "Provides"         RPM "Requires"         Search Mode:         Contains							
	Case Sensitive	Description	Technical Data	Dependencies	Versions	File List	Change Log	
	Name Disk Usage Used Free Total / 9% 1.7 GB 16.3 GB 18.0 GB Computer YaST Control Center	Check [	Autocheck			0	Cancel	<u>Accept</u> 0, 15:23

Filter: 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	M libsmbclient	Samba Client Library	1.8 M	3.0.24-2.23
samoa	Mautilus-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	8.0 M	3.0.24-2.23
	Samba-client	Samba Client Utilities	21.0 M	3.0.24-2.23
-Search in	samba-doc	Samba Documentation	23.2 M	3.0.24-2.23
X Name	samba-krb-printing	g Wrapper binary for kerberized printing	5.5 K	3.0.24-2.23
X Summary	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
ecalphon	samba-vscan	On-Access Virus Scanning with Samba	531.2 K	0.3.6b-42.4
RPM "Provides"	samba-winbind	Winbind Daemon and Tool	3.9 M	3.0.24-2.23
RPM "Reguires"	yas2-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:				•
Contains	Cont.		÷.	- Andrewski

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 http://www.novell.com/documentation/oes/samba\_admin/index.html?page=/documentation/oes/sam ba\_admin/data/samba-users.html OES2 http://www.novell.com/documentation/oes2/file\_samba\_cifs\_lx/index.html?page=/documentation/oes 2/file\_samba\_cifs\_lx/data/bway05g.html

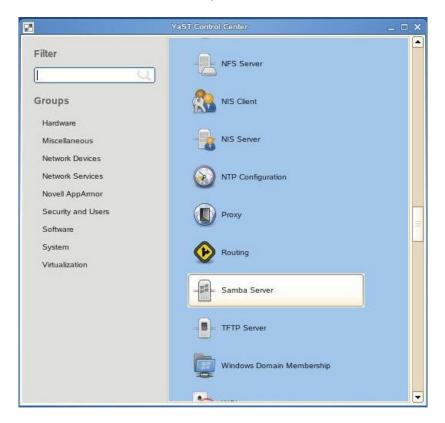
### **OES 2 Samba Configuration**

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 for your Samba share to broadcast in.

YaST2@oes2	_ = ×
Samba Installation: Step 1 of 2 Workgroup or Domain Name TUX-NET Abort	Next
	Samba Installation: Step 1 of 2 Workgroup or Domain Name TUX-NET T

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

	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 <u>P</u> rimary Domain Controller (PDC)	
The options available in the configuration dialogs depend on the settings in this selection.	Backup Domain Controller (BDC)	
	Not a Domain <u>C</u> ontroller	

The Samba Server needs to know if it is going to be the Domain Controller for the Workgroup or not. Since we created our own workgroup, select Primary Domain Controller.

Set the Startup to During Boot so that the share will be available when the server is up.

Service Start To start the service every time your computer is	Samba	Configur	ation			
booted, set During Boot. Otherwise set Manually.	Start-Up	Shares	Identity	Trusted Domains	LDAP Settings	
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,		Start ing Boot nually				
click <b>Firewall Details</b> . This option is available only if the firewall is enabled.		l Settings n Port in Fir port is open		Firewall <u>D</u> etails	]	

			YaST2@oe	is2		- D
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	Shares				Fi <u>l</u> ier 🕶
A share can be enabled or disabled: A disabled share is not accessible, but its	Status	Read-Only	Name	Path	Comment	<b>_</b>
configuration is still written into the	Enabled	No	users	/home	All users	
onfiguration file. So the share can be later	Enabled	No	homes	- Weeks	Home Directories	202
enabled again.	Enabled	Yes	printers	/var/tmp	All Printers	1.2.2.2
	Enabled	Yes	print\$	/var/lib/samba/drivers	Printer Drivers	
Some of the shares are special. For example,	Enabled	No	groups	/home/groups	All groups	
ne share Homes is a special system share for occessing 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	Add	Edjt.	. De	elete		Toggle Status
Filter menu.						
Use Add to add a new share, Edit to modify	Sharin	g by Users —				
already existing share, and Delete to remove		w Users to Si	hara Thair	Directories		
he information about a share.		-	nare i neir	Directories		
Now Users to Share Their Directories	Pern	itted Group				
nables members of the group in Permitted	LISE					
Group to share directories they own with other		E 222 A	10011			~
isers. For example, users for a local scope or	Max	mum Numb	er of Share	5.) 		19773
OMAIN\Users for a domain scope. The user	100					A
ilso must make sure that the file system						100
ermissions allow access.						

Switch to the Shares tab in the configuration window.

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

		YaST2@ees2	🗉 🗙
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.		Share Name	
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 Read-Only Inherit ACLs	

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.

Enter the absolute path, or browse to your domain directory in the Share Path dialog box.

### Select Identity

		233	YaST2@oe	1183		
Identity These options allow setup of the identity of the	Samba (	Configur	ation			
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 erver role. Backup Domain Controller and Primary Domain Controller allow Windows	Base Settings Workgroup or Domain Name BHOME Domain Controller WINS WINS WINS Remote WINS Server Name					Support
lients 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 casswords. If the server should not participate as a domain controller, choose the <b>Not a DC</b> value.	Primar	y (PDC)		•		
VINS is a network protocol for mapping ow-level network identification of a host (for xample, IP address) to a NetBIOS name. The samba server can be a WINS server or can		lostname				
use another server for its queries. In the latter ase, choose <b>Remote WINS Server</b> and enter				r	1	]
he IP address of the WINS server. Optionally, set a <b>Server NetBIOS Name</b> . The				Advanced	I Settings 🔻	

Since we created our own workgroup, we need to enable WINS 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.

	×
For a proper function, Samba set administrative account (root). It will be created now.	rver needs an
Samba root <u>P</u> assword	
Verify Password	
QK Cancel	

Return to your Windows workstation and open an explorer browser.

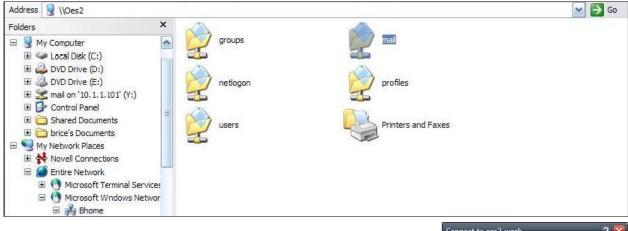
😂 My Con	puter	- O 🗵
File E <mark>d</mark> it	View Favorites Tools Help	<u></u>
G Back	<ul> <li>Search Bolders</li> <li>Folder Sync</li> </ul>	
Address	\\10.1.1.102	🖌 🄁 Go
Folders	\\10.1.1.102 \\10.1.1.102\sys\	
Desktop		M
and the second s	ocuments Shared Documents Documents	

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 hostname, //<hostname>. (ie. //10.1.1.102 or //oes2)

File Edit View Favorites Tools	Help				
Gene     Back •     Search     Folders     Folder Sync       Address     Bhome     Folders     •					
<ul> <li>Wy Computer</li> <li>Local Disk (C:)</li> <li>DVD Drive (D:)</li> <li>DVD Drive (E:)</li> <li>DVD Drive (E:)</li> <li>Control Panel</li> <li>Control Panel</li> <li>Dirce's Documents</li> <li>Dirce's Documents</li> <li>My Network Places</li> <li>My Network Places</li> <li>My Novell Connections</li> <li>Entire Network</li> <li>Microsoft Terminal Services</li> <li>Microsoft Windows Networe</li> <li>Bhome</li> <li>Blahblah</li> <li>Samba 3.0.24-2.22</li> </ul>					

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'.

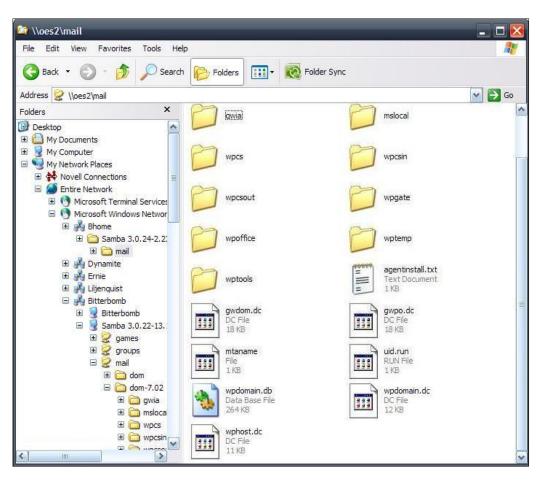


Double-click on the share containing your domain database. You should be required to authenticate to the Samba system.

Connecting to oe	
Password:	🖸 root 💌
	Remember my password

Enter the user 'root' and the samba password you entered earlier.

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.

and as access Specify	ws can help you conne sign a drive letter to th the folder using My Co y the drive letter for th ou want to connect to:	ne connection omputer. le connection (	so that you can
Drive:	V:	~	
Folder:	\\Oes2\mail	Y	Browse
	Example: \\server\share ✓ Reconnect at logon Connect using a <u>different user name</u> . <u>Sign up for online storage or connect to a</u> <u>network server</u> .		
	< Back	Finish	Cancel

Select Finish to complete the setup of the mapped drive.

### 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
```