

Creating a profile is a wizard-driven process within Reload Administration. When a profile is created, basic default settings are enabled such as backup schedule and frequency.

Reload requires direct file access to back up the Post Office or Domain databases. To accomplish file access, profile creation requires a share to be created on source Linux and Windows GroupWise servers. Backing up a post office or domain on NetWare requires a user that has Read, Write, Modify and File Scan rights to the post office or domain path and sub-directories.

Before we can create a profile we need to provide file access to the GroupWise domain and Post Office running on the GroupWise server. The way to do this on Linux is to export the domain and Post Office directories using NFS. NCP can also be used but NFS is usually faster.

 Connect to the GroupWise server with VNC and launch YaST by clicking the Computer button on the task bar and select "YaST".

2.	In the Network Services group select
	"NFS Server".

System	
🕐 Help	
🖫 Control Center	
🔦 YaST	
🐻 Install/Remove Software	



4. Click "Next".

🐴 YaST Co	ntrol Center
Filter	Network Services
nfs Q	NFS Client
Groups	NFS Server
Network Services	
NFS Server Config	uration
Start	
O Do No <u>t</u> Start	
Firewall	
Open Port in Firewall	Firewall <u>D</u> etails
Firewall is disabled	
Enable NFSv4 ☑ Enable NFSv4	
Enter NFSV4 domain name	
localdomain	
Enable <u>G</u> SS Security	
Help Back	<u>Cancel</u> <u>N</u> ext

5. Two NFS mount points need to be created in this lab. One each for the Domain and Post Office directories.

The Domain is named "GWDom" and its path on the GroupWise Server is:

/groupwise/domain

The Post Office is named GWPO1 and is located at:

/groupwise/gwpo1

- 6. Select "Add Directory".
- 7. In the "Directory to export" dialog browse or type in the path to the GroupWise Domain:

/groupwise/domain

- 8. Click "OK"
- 9. When prompted in the next dialog for the Hosts Wild Card and Options, add the following:

Host Wild Card = \* (in a productive environment this could be the Reload server IP)

Options:

rw,sync,no	_root_	_squash,	fsid=0
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- 10. Click "OK".
- 11. Repeat the same steps to export the Post Office directory. This time the directory to export will be:

/groupwise/gwpo1

This time add following options:

rw,sync,no\_root\_squash,fsid=1.

If you export more directories make sure to use a unique fsid for each export.

12. Click "OK"

## **Directories to Export**



<b>F</b>	×
Host Wild Card	
•	
Options	
rw,sync,no_root_squash,fsid=0	
QK <u>Cancel</u>	

	YaST2	×
Directory to Export		
/groupwise/gwpo1		<u>B</u> rowse
<u>о</u> к	<u>C</u> an	cel

- 13. You should now see two directories being exported via NFS as shown in the screenshot on the right.
- 14. Click "Finish".

Now that the NFS Server has been configured on the server where the GroupWise Post Office and Domain is, it can serve up the path of the GroupWise PO or Domain for the Reload Server.

- 15. Now you can create a profile for the Post Office and Domain inside of the Reload Administration.
- 16. Switch to the Reload Server.
- 17. Launch the Reload Administration.

Either click on the desktop icon "[GNOME] GWAVA Reload Administration", or open a new terminal window and type "reload".

- 18. Select "Create New Profiles".
- 19. Click "OK".

- 20. Select "Create a New GroupWise Domain Profile".
- 21. Click "OK".

## **Directories to Export**

Directories	✓ Bindmount Targ	jets
/groupwise/do	main	
/groupwise/gw	rpo1	
Add Dir	rectory <u>E</u> dit	Delete
groupwise/gwp	001	
Host Wild Car	rd 💙 Options	
*	rw, sync, no_	root_squash,fsid=1



GWAVA Reload Main Menu
Daemon Status: Running - Profiles Status: Good
Choose using [UP] [DOWN], [Enter] to Select
Access Access Backups Recovery Disaster Recovery Profiles Administer Profiles Jabs Start/Stop Backup Jobs Logs View System Logs Treate Create New Profiles System Administer System Monitor Profile Monitor Overview Program Information DOCS Documentation
< 0 <mark>K &gt;</mark> < Exit > < Help >



22. Enter the name of the domain:

GWDOM

- 23. Click "Next".
- 24. Enter an optional description for this profile.
- 25. Click "OK".
- 26. Enter the storage location for the Reload backups. This would be the top level folder that will hold the backups for all profiles. A sub-directory will automatically be created using the profile name.

Make sure that enough disk space is available on the storage for the planned amount of backups.

For this Lab enter "/reload"

- 27. Click "Next".
- 28. Click "Next" again to confirm the path.
- 29. Select "NFS/Linux Server" as the GroupWise Server Platform.
- 30. Click "Next".
- 31. Select "Standard NFS/Linux server".
- 32. Click "Next".

Profile Name
Choose < Next > to Accept
Use letters and numbers only, no spaces or other characters!
The profile name SHOULD NOT EXCEED 8 characters.
GWDOM
L.
< Next > < Cancel >

Use [TAB] [UP] [DOWN],[Space ] Directories 	arl to Select a Data Location Files
/reload	
<mark>&lt; Next &gt;</mark> < Bac	<pre>&lt; Cancel &gt;</pre>

Select the Server Platform
Choose Using [UP] [DOWN], < Next > to Select
Select the Sorver Platform of the server housing the GroupWise domain database that this profile represents.
NetWare NCP/NetWare Server or NetWare Cluster Resource NFS/Linux Server or Linux Cluster Resource Windows SAMBA/Windows Server Local A Domain Database on this Linux Server Reload A Profile on a Remote GWAVA Reload Server
<pre>&lt; Next &gt; &lt; Back &gt; &lt; Cancel &gt;</pre>
Select the Linux Server Type
Choose using [UP] [DOWN], < Next > to Select
Select the Linux Server Type
Standard         Standard NFS/Linux Server           Cluster         Cluster Resource Linux Server

< Back > < Cancel >

< N<mark>ext ></mark>

33. Reload needs to know whether to connect via an IP address or a host name.

Select "TCP/IP Address".

- 34. Click "OK".
- 35. Type in the IP Address of the GroupWise server:

172.17.2.240

- 36. Click "Next".
- 37. Type in the exported NFS path of the domain directory:

/groupwise/domain

- 38. Click "Next".
- 39. Confirm the IP and path and choose "Yes" on the next screen.
- 40. The domain profile has now been created but must be tested before it can be used.

Click "Test".

NFS/Linux Server Address Type
Choose Using [UP] [DOWN], [Enter] to Select
How should Reload try and connect to the the NFS/Linux Server?
TCP/IP Address           2 DNS Address
< 0 <mark>K &gt;</mark> < Back > <main menu=""></main>
NFS/Linux Server IP Address Choose < Next > to Accept
In the field below type in the NFS/Linux Server IP Address:

Example: 100.10.1.10

< Next >

172.17.2.240

NFS Export Path Choose < Next > to Accept In the field below type in the NES Expert Path from the NES/Linux server for the GroupWise domain database that this profile represents. Example: /data/grpwise/doml NOTE: Please remember that NES/Linux paths are case sensitive! ALSO: MAKE SURE THE NFS EXPORT PATH HAS BEEN EXPORTED WITH THE "rw" and "no\_root\_squash" settings enabled per the documentation. /groupwise/domain < Next > < Back > < Cancel > Test and Initialize ? The profile was created, however it needs to be **Tested** and **Initialized** before it can be used in any manner. Until the profile is Tested, and passes the testing GWAVA Reload backup profile. The profile will only be listed when selecting actions from the Create Profile Main Menu. If the Test process is skipped for the profile at this time, it can be tested at a later time. The Create Profile Main Menu has a menu option to "Test a Profile". Use this option later if you skip the testing process. < Test > < Skip >

< Back >

< Cancel >

41. If the test was successful you will be presented with this dialog and the profile will be enabled.

Click "Exit".

42. The domain profile has been created and initialized but as you can tell from the next screen no backups have run yet.

Click on "Main Menu".

43. We are now ready to create a Post Office profile. Most of the steps are the same as for the Domain profile.

Choose "Create New Profiles".

44. Click "Ok".

- 45. Select "Create a New Post Office Profile".
- 46. Click "OK".
- 47. Enter the name of the Post Office:

GWPO1

- 48. Click "Next".
- 49. Enter an optional description for the profile.
- 50. Click "Next".

GWAVA Reload Test and Initialize Utility
Fri Feb 14 11:02:08 EST 2014
SUCCESS, the profile: GWDOM is now enabled.
I
< Exit >



	Create Profile Main Menu
Choose using [U	P] [DOWN], [Enter] to Select
Post Domain Modify Test View Delete	Create a New GroupWise Post Office Profile Create a New GroupWise Domain Profile Modify a Profile's Connectivity Settings Test a Profile's Connectivity Settings View the Last Test Log for a Profile Delete a Profile
	dirin Honos
	< OX > <main menu=""></main>

Profile Name
Choose < Next > to Accept
Use letters and numbers only, no spaces or other characters!
The profile name SHOULD NOT EXCEED 8 characters.
Enter the name of the profile in the field below:
GWP01
< Next > < Cancel >

51. Enter the storage location for the Reload backups.

For this lab enter "/reload".

- 52. Click "Next".
- 53. Click "Next" again and confirm the path.
- 54. Select "NFS/Linux Server" as the GroupWise Server Platform.
- 55. Click "Next".

Une [TAB] [UP] [DDWN], [Space a Directories 	r) to Select a Data Location Files
< Next > < Back	> < Cancel >

Select the Server Platform
Choose Using [UP] [DOWN], < Next > to Select Select the server Platform of the server housing the GroupWise domain database that this profile represents.
Nctione         NCP/NetWare Server or NetWare Cluster Resource           Ninux         NFS/Linux Server or Linux Cluster Resource           Windows         SAMBA/Windows Server           Local         A Domain Database on this Linux Server           Reload         A Profile on a Remote GWAVA Reload Server
< Back > < Cancel >
Local A Domain Database on this Linux Server Roload A Profile on a Remote GWAVA Reload Server

elect the Linux Server Type

- 56. Select "Standard NFS/Linux server".
- 57. Click "Next".

Choose	using [UP]	[DOWN],	< Nex	t > to	Select	
Select	the Linux					
	<mark>Standard</mark> Cluster	<mark>Standar</mark> Cluster	d NFS/I Resou	L <mark>inux</mark> rce Li	<mark>Server</mark> nux Server	
	< N <mark>ext</mark>	> <	Back	>	< <mark>C</mark> ancel >	

58. Reload needs to know whether to connect via an IP address or a host name.

Select "TCP/IP Address".

59. Click "OK".

NFS/Linux Server Address Type
Choose Using [UP] [DOWN], [Enter] to Select
How should Reload try and connect to the the NFS/Linux Server?
TCP/IP Address           2 DNS Address
<mark>&lt; 0</mark> K > < Back > <main menu=""></main>
MFS/Linux Server IP Address

60. Type in the IP Address of the GroupWise server:

172.17.2.240

61. Click "Next".

In the field below type in the NFS/Linux Server IP Address: Example: 100.10.1.10 T72.17.2.240 Next > < Back > < Cancel >

Choose < Next > to Accept

62. Enter the NFS export path that was previously configured:

/groupwise/gwpo1

- 63. Click "Next".
- 64. Confirm the IP and path and choose "Yes" on the next screen.
- 65. The Post Office profile has now been created but must be tested before it can be used.

Click "Test".

	NFS Export Path
Choose < Next > to Acce	pt
n the field below type erver for the GroupWis	in the NFS Export Path from the NFS/Linux e post office that this profile represents.
Example: /data/grpwise/	pol
IOTE: Please remember t	hat NFS/Linux paths are case sensitive!
LSO: MAKE SURE THE NFS no_root_squash" settin	S EXPORT PATH HAS BEEN EXPORTED WITH THE "rw" on go enabled per the documentation.
/groupwise/gwpol	
< Next >	< Back > < Cancel >
< Next >	< Back > < Cancel >
< Next >	< Back > < Cancel >
< Next >	< Back > < Cancel >
< Next >	< Back > < Cancel >
< Next > Te The profile was cr	<pre>&lt; Back &gt; &lt; Cancel &gt; st and Initialize ? eated, however it needs to be Tested</pre>
Kext > Te The profile was cr and Initialized be	<pre>&lt; Back &gt; &lt; Cancel &gt; st and Initialize ? eated, however it needs to be [ested fore it can be used in any manner.</pre>
<pre>&lt; Next &gt; Te The profile was cr and Initialized be</pre>	<pre>&lt; Back &gt; &lt; Cancel &gt; st and Initialize ? eated, however it needs to be Tested fore it can be used in any manner.</pre>
<pre>&lt; Next &gt; Te The profile was cr and Initialized be Until the profile</pre>	<pre>&lt; Back &gt; &lt; Cancel &gt; st and Initialize ? eated, however it needs to be rested fore it can be used in any manner. is Tested, and passes the testing</pre>
Next > Te The profile was cr and Initialized be Until the profile process it will no	<pre>&lt; Back &gt; &lt; Cancel &gt; st and Initialize ? eated, however it needs to be Tested fore it can be used in any manner. is Tested, and passes the testing t be "Initialized" and usable as a</pre>
Next > Te The profile was cr and Initialized be Until the profile process it will no GWAYA Reload backu	<pre>&lt; Back &gt; &lt; Cancel &gt; st and Initialize ? eated, however it needs to be Tested fore it can be used in any manner. is Tested, and passes the testing t be "Initialized" and usable as a p profile. The profile will only be</pre>
Next > Te The profile was cr and Initialized be Until the profile process it will no GWAVA Reload backu listed when select	<pre>&lt; Back &gt; &lt; Cancel &gt; st and Initialize ? eated, however it needs to be rested fore it can be used in any manner. is Tested, and passes the testing t be "Initialized" and usable as a p profile. The profile will only be ing actions from the Create Profile</pre>
<pre>&lt; Next &gt; Te The profile was cr and Initialized be Until the profile process it will no GWAVA Reload backu listed when select Main Menu.</pre>	<pre>&lt; Back &gt; &lt; Cancel &gt; st and Initialize ? eated, however it needs to be rested fore it can be used in any manner. is Tested, and passes the testing t be "Initialized" and usable as a p profile. The profile will only be ing actions from the Create Profile</pre>
<pre>&lt; Next &gt; Te The profile was cr and Initialized be Until the profile process it will no GWAVA Reload backu listed when select Main Menu. If the Test proces</pre>	<pre>&lt; Back &gt; &lt; Cancel &gt; st and Initialize ? eated, however it needs to be rested fore it can be used in any manner. is Tested, and passes the testing t be "Initialized" and usable as a p profile. The profile will only be ing actions from the Create Profile s is skipped for the profile at this</pre>

The Create Profile Main Menu has a menu option to "Test a Profile". Use this option later if you skip the testing process.

< Test > < Skip >

66. If the test was successful you will be presented with this dialog and the profile will be enabled.

Click "Exit".

67. The post office has been created and initialized but as you can tell form the prompted screen no backups have run yet.

Click "Main Menu".

68. Before running any backups you should already check if the correct GroupWise agents are installed on your Reload server. This does not have an effect on the backup jobs, but if you want to access the backups, for example during a disaster, it is important to use the same GroupWise version on the Reload Server that is running on your live system.

To change the GW Version in Reload go to "Administer System".



Daemon	GWAVA Reload Main Menu Status: Running - Profiles Status: Good
Choose	using [UP] [DOWN], [Enter] to Select
	Annue Access Backups Ringer Disaster Recovery Perfile Administer Profiles Jule Start/Stop Backup Jobs Lone View System Logs Create New Profiles ystem Administer System Monitor Profile Monitor O profile Program Information Diff Documentation
<	<mark>OK &gt;</mark> < Exit > < Help >

69. Click on "GroupWise Software Integration".

Control	Control Daemon Process
W-4	Web Administration Preferences
Bestmalte	Web Page "Bookmarks" Configuration
Mailar	Mailer Configuration
J 📫	Job Handling Configuration
Lope	Log Expiration
Inclusion	GWAVA Product Integration
roupwise	Groupwise Software Integration
B	View GWAVA Beload Beadme
Addamental	Advanced Configuration

70. Select "GroupWise Version to use" and click "OK".

 Integration Configuration Henu

 Choose Using [UP] [DOWN], [Enter] to Select

 ersion
 GroupWise Version to Use [ GroupWise 8 ]

 Answampindie
 Enable GroupWise Software Upgrade [ Enabled ]

 DomMon-byrt
 Allow DBCOPY to Use a TCP/IP Port [ Enabled ]

 Micromodelication
 Show GWPOA Interface if Possible [ Disabled ]

 Show GWMTA Interface if Possible [ Disabled ]

 Cox
 < Back >
 <Main Menu>

71. Select "GroupWise 2014" and hit the space bar to choose it.

Click "OK" to start the installation of the GW 2014 agents. The package for the agents is already stored in /opt/beginfinite/reload/setup/rpms.

You can also install the agents manually if the installation from Reload did not work for example for GW 2014 with "rpm -ivh novellgroupwise-server-14.0.1.rpm"

72. The installation of the agents might take a few minutes.

Click "OK" to close the note.

While Reload is installing the agents continue with the next steps.

73. Open Firefox and browse to the Reload Server.

http://172.17.2.230:5555

You should see the Domain and Post Office profiles you just created.

In the next lab you will run backup jobs for these profiles.





) 1. GWDOM

Descriptio