

1. Disaster Recovery should be configured before a disaster occurs, so there are only few steps required in case of an actual disaster on your GroupWise server.

On the Reload Home page select the “GWPO1” profile to configure the Disaster Recovery (DR) options for the Post Office profile.

2. Select the “Configure” tab.

3. Click on “Configure Disaster Recovery [FAILOVER]”.

4. Set each of the Unconfigured options to the following. Since Reload 4.1 the settings are configured by default but the values should be verified.

#### Disaster Recovery POA Settings

TCP/IP Address: 172.17.2.230  
Client/Server Port: 1677

#### Outbound Message Transfer Port (Domain MTA) (MTP)

Address: 172.17.2.230  
Port: 7100

#### POA HTTP Configuration

HTTP: Enabled  
Port: 7181

To change the Unconfigured settings click on “Edit”.

Make sure to hit the “Save” button after you changed the setting.



Overview Backups Disaster Recovery Configure Event Log

[ 1. GWPO1 ] Post Office Profile Status & Information

View All Profiles

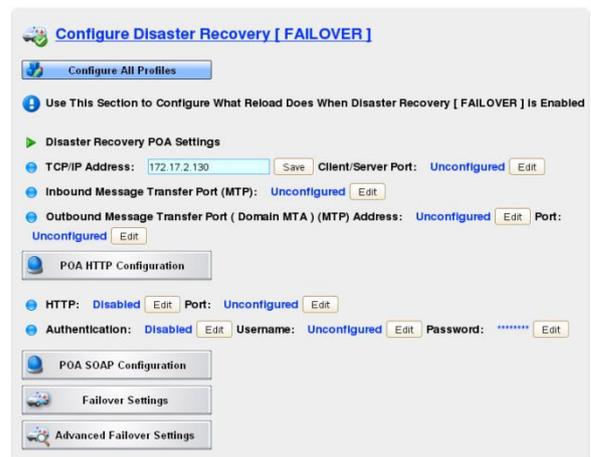
- Profile Status: This profile is functioning correctly.
- Backup Access Status: Normal - No backup is loaded
- Job Status: No job is running for this profile
- Disk Space In Use: 40%
- Name of Most Current Backup: WEDMAR05
- Profile Description: gwpo1
- Profile Path: /reload/gwpo1

Post Office Information



Overview Backups Disaster Recovery Configure Event Log

- Configure Preferences
- Configure User Access to Backups
- Configure Backup Job Settings
- Configure Backup Connectivity to Post Office
- Configure Disaster Recovery [ FAILOVER ]



Configure Disaster Recovery [ FAILOVER ]

Configure All Profiles

Use This Section to Configure What Reload Does When Disaster Recovery [ FAILOVER ] is Enabled

Disaster Recovery POA Settings

- TCP/IP Address: 172.17.2.130 Save Client/Server Port: Unconfigured Edit
- Inbound Message Transfer Port (MTP): Unconfigured Edit
- Outbound Message Transfer Port ( Domain MTA ) (MTP) Address: Unconfigured Edit Port: Unconfigured Edit

POA HTTP Configuration

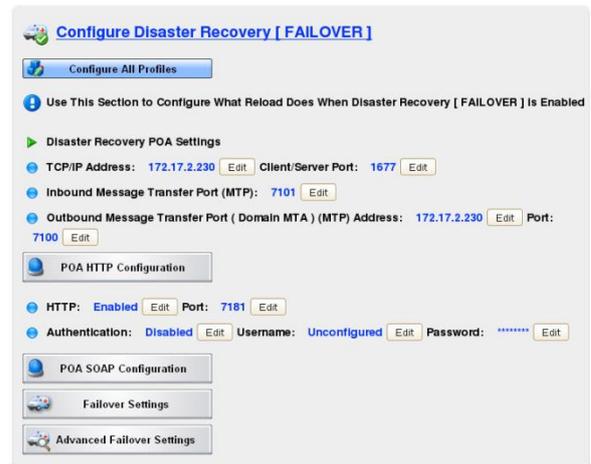
- HTTP: Disabled Edit Port: Unconfigured Edit
- Authentication: Disabled Edit Username: Unconfigured Edit Password: \*\*\*\*\* Edit

POA SOAP Configuration

Failover Settings

Advanced Failover Settings

- When all settings are saved check if everything was set correctly.
- Your Reload Post Office backup is now ready to stand in place of the live Post Office, if a disaster occurs and the live PO is no longer available.



- To simulate a disaster on the live Post Office unload the GW agents.

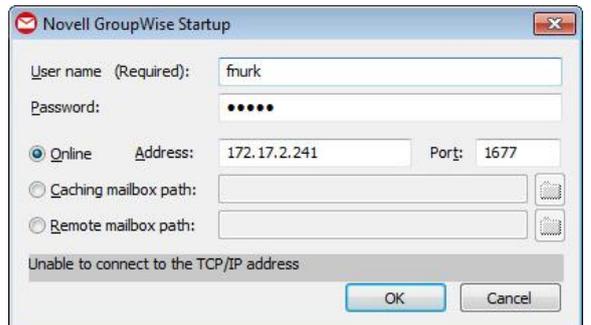
Switch to the GroupWise server and open a terminal session.



- Type “rcgrpwise stop”

This will unload all of the GroupWise agents.

- On the Windows VM start the GroupWise client from the desktop and verify that the Post Office is down.



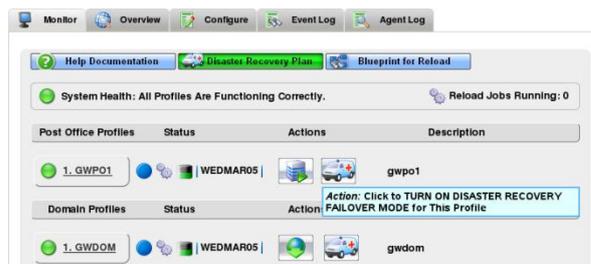
- Return to the Reload server.

- Select the “Disaster Recovery” tab.



- Click on “[FAILOVER]” to enable the Disaster Recovery mode.

- Alternatively you could enable the Disaster Recovery mode by clicking the ambulance button for the PO profile on the Reload Home page.



Keep in mind that the DR mode has to be configured before you can enable it.

- A message will show up that the Disaster Recovery Mode has been turned on.

Reload will now load the GroupWise POA against the latest backup.

Click on the blue arrow button to return to the overview.



- From the Post Office profile overview you can see that Disaster Recovery is enabled. Make sure that the latest backup is loaded in the Disaster Recovery POA

The Reload Home page will also indicate that the profile is running in Disaster Recovery mode.



- A well designed network and GroupWise system will have all of the servers and agents using host names instead of IP addresses. The advantage of host names becomes apparent during the next step. In a non-lab environment the GroupWise client would use a DNS server to resolve the host name of the POA in order to make a connection.

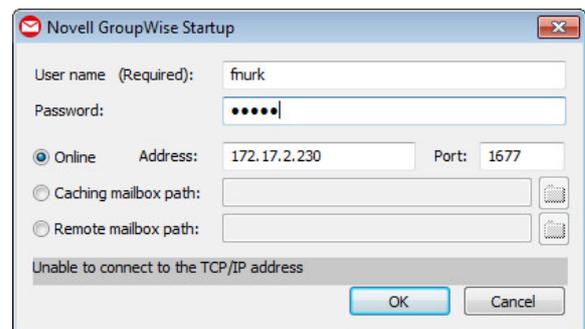


- Switch to the Windows VM.

- The GroupWise client needs to connect to the DR POA on the Reload server instead of the GW server.

Open GroupWise and type in the IP-Address of the Reload server: 172.17.2.230

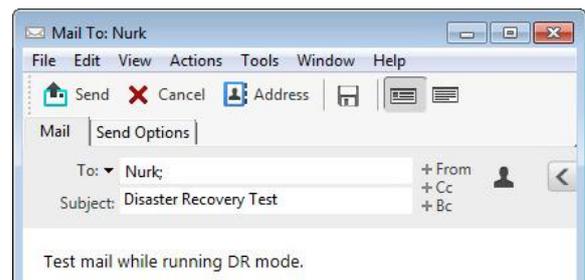
Login as “fnurk”.



- Send a test message to “Nurk, Fred”.

You could use “Disaster Recovery Test” in the subject. Send more test mails if you like.

Close the GroupWise client after the mail was sent and received.



20. We have now solved the problem that took our production Post Office offline but before bringing it back online we need to migrate the new mails that were received while running DR mode.

21. Return to the Reload Server.

22. The migration step can't be run from the Reload web interface and needs to be run from the Reload Administration console.

Open “[GNOME] GWAVA Reload Administration” from the desktop or type “reload” in the console.



23. Click on “Profiles”.



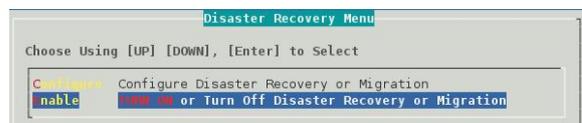
24. Select “POST OFFICE PROFILE”.



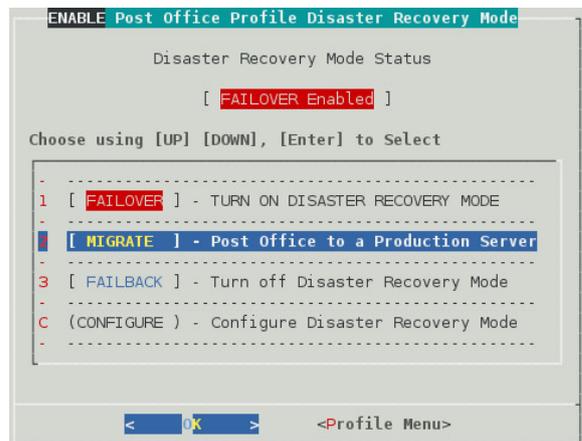
25. In the Post Office Profile select “Disaster-Recovery”.



26. Click on “Enable”.

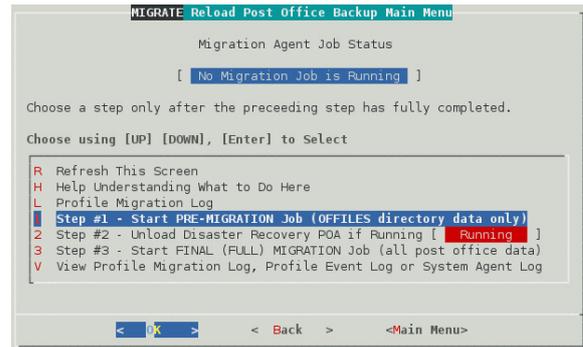


27. Select “MIGRATE”.



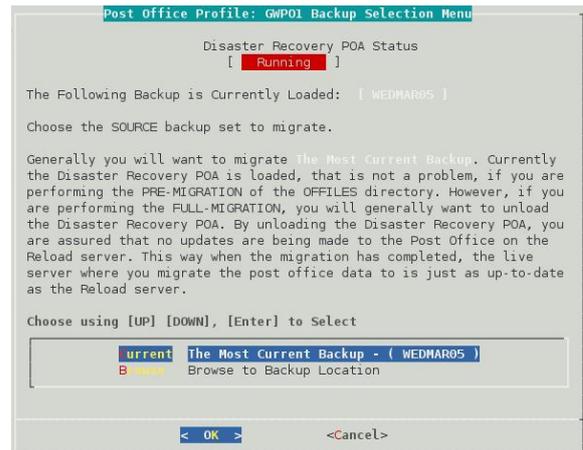
28. The first step of the migration will sync newer files in OFFILES from the Reload server to the production server.

Select “Step #1 - Start PRE-MIGRATION Job”.



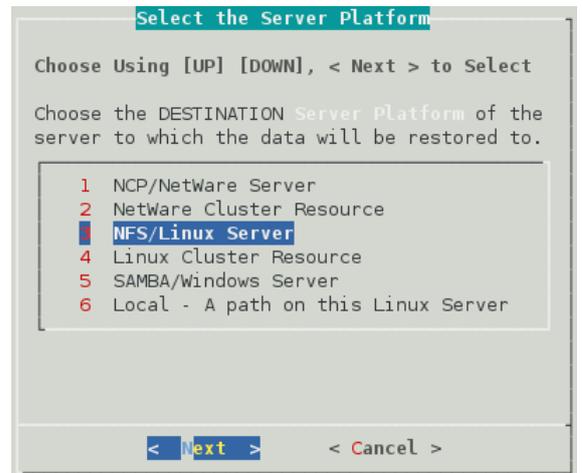
29. Select “The Most Current Backup”.

Make sure that the Terminal window is big enough if you can’t see the option to select a backup.



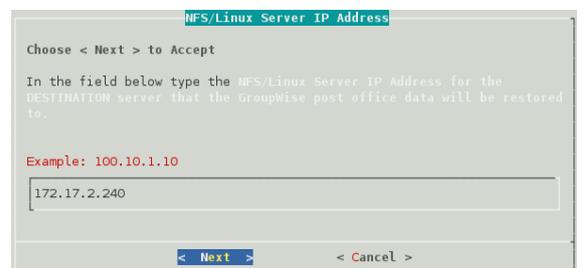
30. Because the production server is on Linux we need to transfer the newer files via NFS.

Select “NFS/Linux Server”.



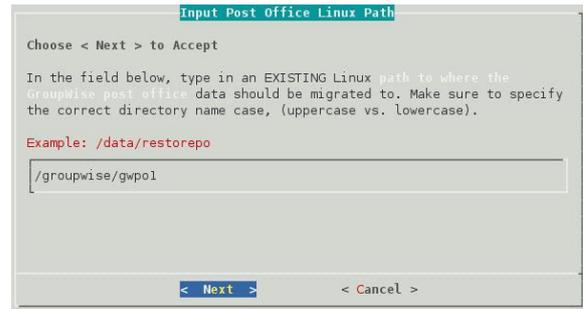
31. Enter the IP address of the production GroupWise server. In this case type in following IP Address:

172.17.2.240



32. Enter the path of the post office directory on the production server:

/groupwise/gwpo1



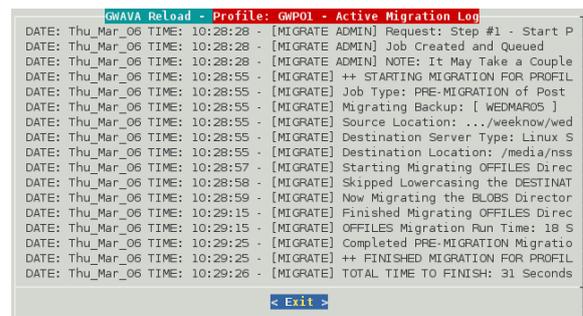
33. The migration job has been created.

Click "OK".



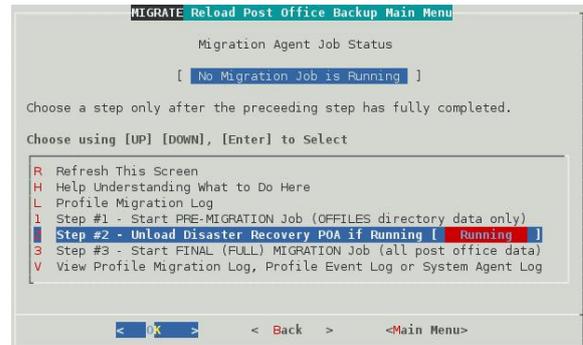
34. The "Active Migration Log" will open.

Click on "Exit" when the migration is finished.

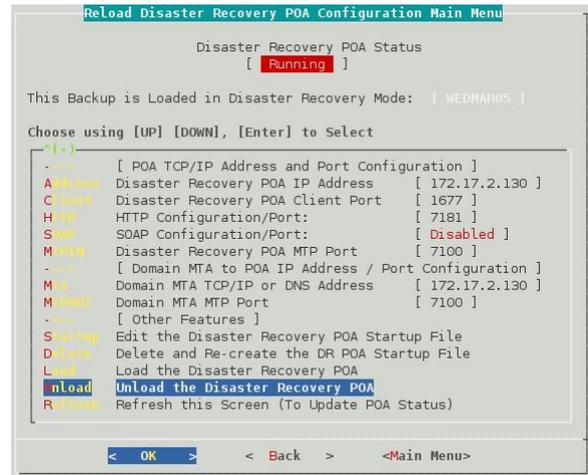


35. You are now ready for second step of the migration.

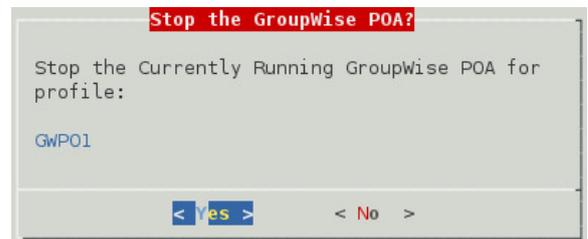
36. Select "Step #2 - Unload the Disaster Recovery POA".



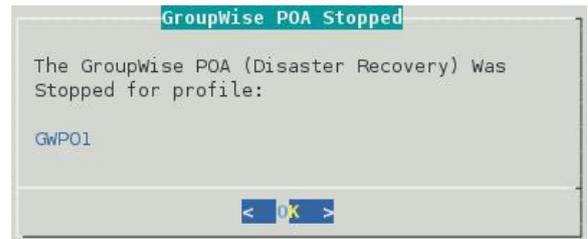
37. Choose "Unload".



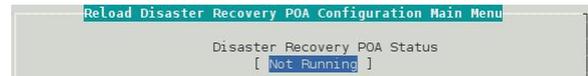
38. Click "Yes" to stop the POA on the Reload Server.



39. Select "OK".



40. You can see the Disaster Recovery POA is not running anymore.

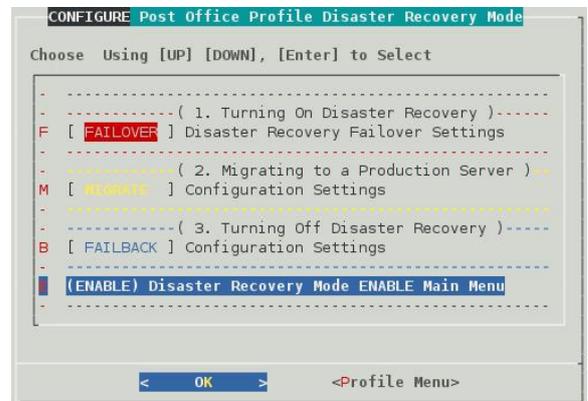


41. Click on "Back".



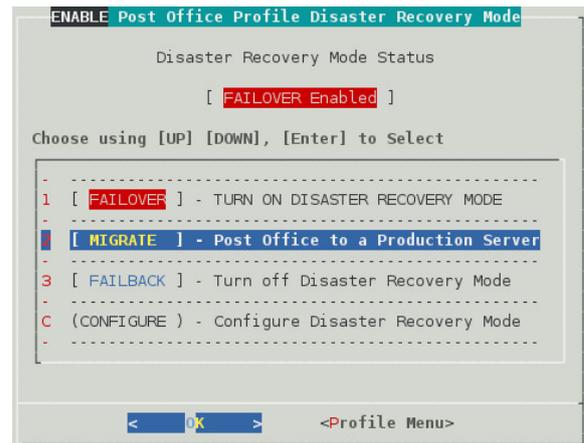
42. Select "Back" again in the next menu.

43. You should see the "CONFIGURE Post Office Profile Disaster Recovery Mode" menu.



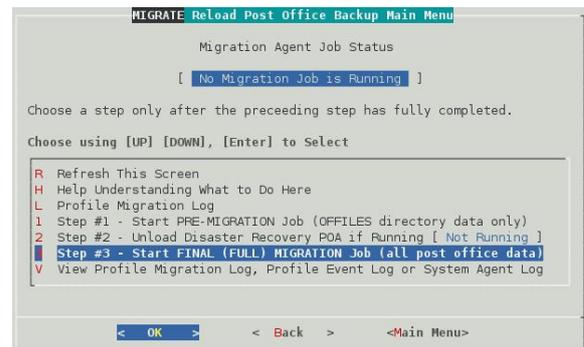
Choose "ENABLE".

44. Open the “MIGRATE” menu again.



45. The final step of the migration is to do a cold copy of all the user and message databases along with any other files in the OFFFILES that recently came in. GroupWise should be stopped for this step.

Because most of the files in OFFFILES were already sync'd during the pre-migration the total down time should be minimal.



46. Select “Step #3 - Start FINAL (FULL) MIGRATION Job...”

47. Choose “The Most Current Backup”.

This should be getting familiar.

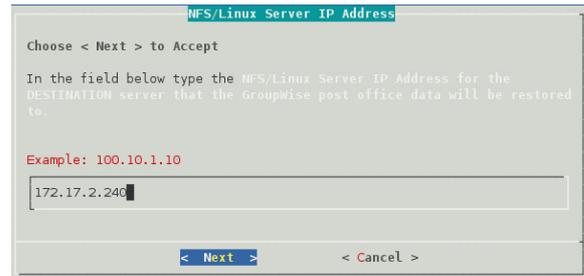


48. Select “NFS/Linux Server”.



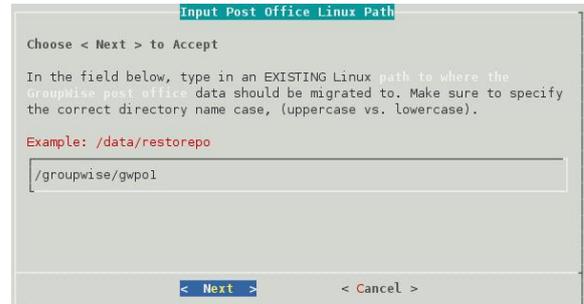
49. The IP Address of your GroupWise server should be automatically filled in.

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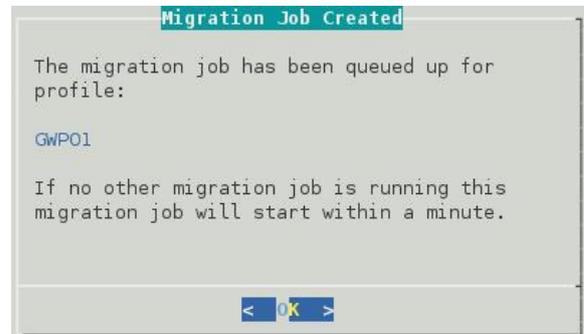
50. The destination Post Office path should also be filled in automatically.

/groupwise/gwpo1



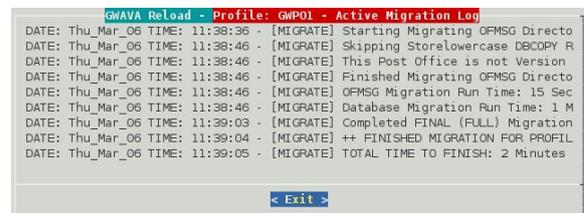
51. The migration job has been created.

Click "OK".



52. The "Active Migration Log" will open.

Click on "Exit" when the migration is finished.



53. As the final step the Disaster Recovery mode has to be disabled.

Open Firefox again and go to the "Disaster Recovery" tab of the Post Office Profile.

Click on "[FAILBACK] - Turn Off Disaster Recovery Mode...".



54. Alternatively you could click on the ambulance button on the Reload Home page.



55. A message will show up that Disaster Recovery has been turned off. Click on the blue arrow button.



56. The “GWPO1” profile should have returned to a normal status.

Check the Reload Home page or the profile overview to make sure, that Disaster Recovery is not running anymore.



57. Switch to the GroupWise server.

Load the GroupWise agents, so the GroupWise system is running again.

Open a terminal console and type “rcgrpwise start”.

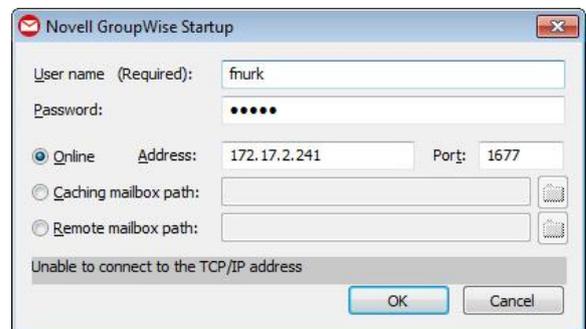


58. Launch the GroupWise client from the Windows VM.

The GW Client will try to connect to the Post Office on the Reload server.

Type in the IP of the live GroupWise Post Office again and login as “fnurk”.

172.17.2.241



59. Verify that the mail that was sent while DR mode was running has been migrated to the live Post Office.

