

# Creating an ETL export database

## Logon to Webmin

Logout successful. Use the form below to login again.

**Login to Webmin**

You must enter a username and password to login to the Webmin server on

Username

Password

Once in Webmin, open the StruxureWare DC Operation pane on the left side, select the “ETL Integration Management” entry. In the right side select “Manage internal database”.

ETL Integration Management

**Warning**  
Adding more than 5 internal staging databases may adverse impact server performance and in some cases cause erratic behavior.  
If you are experiencing any issues, please reduce the number of internal staging databases to 5 or less.

**Spoon Client Library**  
Client library for running transformations from local Pentaho Data Integration client download

**Management tasks**

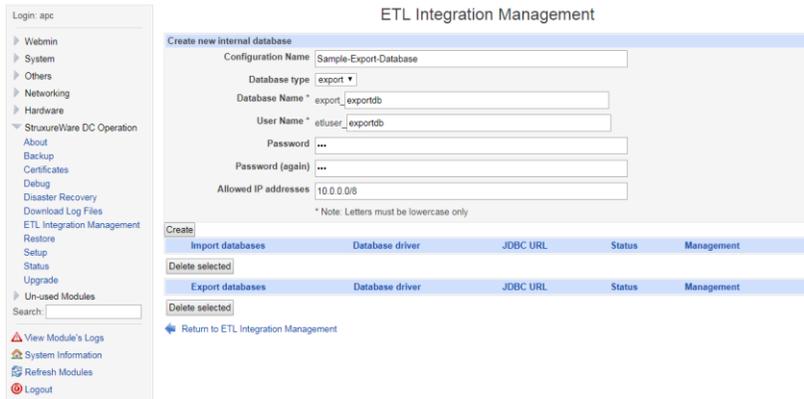
<a href="#">Manage internal database</a>
<a href="#">Manage external database</a>
<a href="#">Manage JDBC Drivers</a>
<a href="#">Manage transformations</a>

Import databases	Database driver	JDBC URL	Status	Management
<a href="#">Export databases</a>	Database driver	JDBC URL	Status	Management

In the ETL integration management view:

- Specify a unique configuration name
- Set database type to “export” (the default is import)
- Set a unique database name (cannot be the name of an existing ETL database)
- Set a unique user name (cannot be a user name which already exists)
- Enter a password for the user name, and confirm the password in the next field.
- Set a list of allowed IP addresses. This field contains the list of IP addresses or subnet masks for hosts which are allowed to connect to this ETL export database. Do NOT leave this field blank. If left blank you will not be able to connect to this export database.

I have placed sample responses in the below export database definition. When completed click the “Create” button.



You will see the following info as the export database is created. This may take 10 to 30 seconds to complete. Click the return link to go back to the ETL menu.

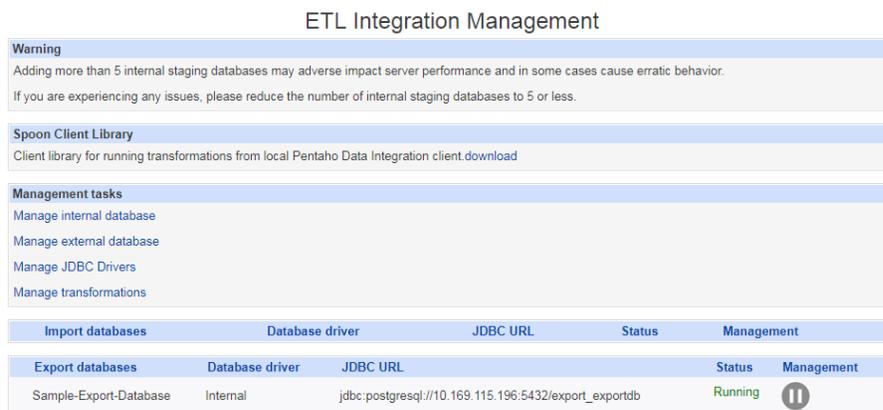
### ETL Integration Management

```

Read parameter: 'db_type', Value: 'export'
Read parameter: 'db_version', Value: '1.0.0'
Read parameter: 'db_driver', Value: 'Internal'
Read parameter: 'db_user', Value: 'exportdb'
Read parameter: 'conf_name', Value: 'Sample-Export-Database'
Read parameter: 'db_dialect', Value: ""
Read parameter: 'db_name', Value: 'exportdb'
Creating ETL database based on configuration: Sample-Export-Database
Contacting Server.
Response was: 204
Process finished OK.
  
```

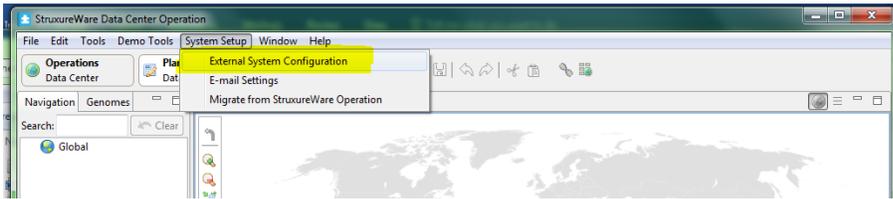
[Return to etl-setup](#)

Your ETL view should now contain the new definition and the database state should be running. Note the JDBC URL field as you’ll need that info to connect to this database later along with the username/password credentials specified in the previous screens.

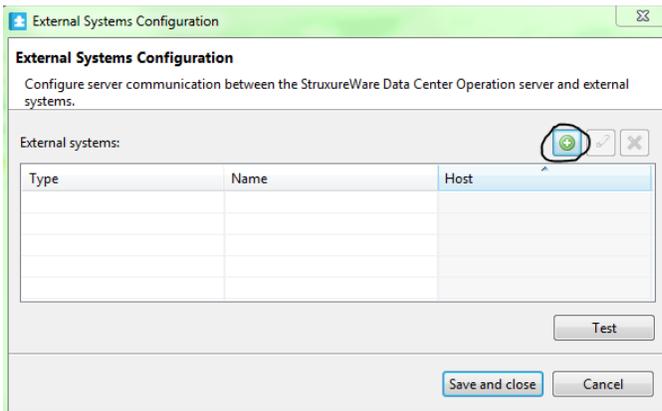


Now open the DCO desktop client. Logon as an administrator user account.

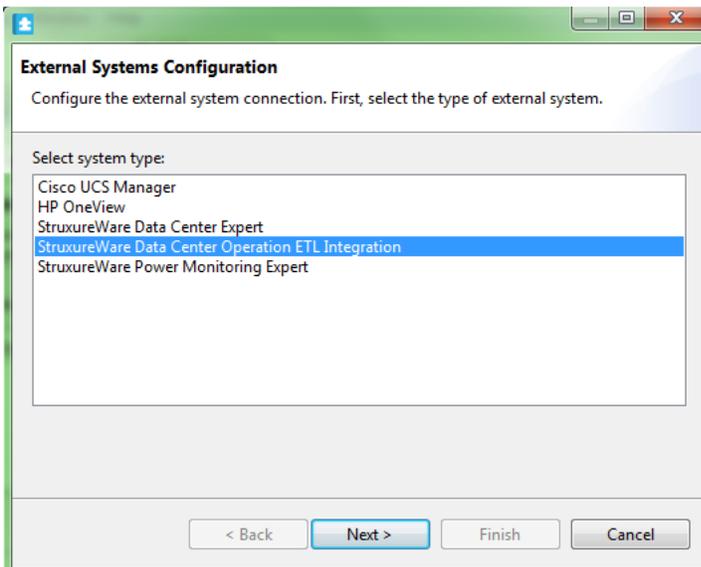
Open the “System Setup”, “External System Configuration” menu from the desktop client.



Select the add button from the external systems wizard.



Select ETL integration and click Next



From the popup view, set a name for the ETL integration, then select the new export database created in the webmin view from the pull-down list. Select the swoExportJob\_v2.0.0 entry from the middle pane and click Next.

**Configure ETL Integration**  
Select transformation and configure parameters.

Name:

ETL Database:

Transformation	Description
<input type="checkbox"/> No transformation v1.0.0	
<input checked="" type="checkbox"/> swcExportJob_v2.0.0	Export Job

Transformation parameter	Description	Value
include_basic	Export tags, properties and external IDs	true
include_breaker_relations	Export breaker relations to external devices	true
include_customerdata	Export customer data and relations	true
include_kpi	Export KPIs	true
include_network	Export network information	true
include_power_relations	Export power connections	true
include_powerpath	Export power paths	true
include_user_and_group_informat...	Export users and user groups	true
include_workorder	Export work orders and tickets	true

< Back   Next >   Finish   Cancel

Then from the schedule screen set how often the export database data is refreshed. This could be every X hours, or on a daily, weekly or monthly basis.

**Configure Export Schedule**  
Specify when and how often the data export should run

Export schedule:

Every  hours

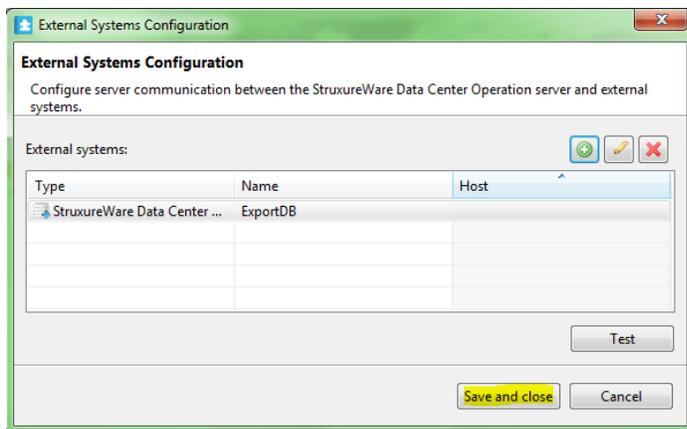
Daily at  hours  minutes

Weekly on Sunday at  hours  minutes

Monthly on the 1st at  hours  minutes

< Back   Next >   Finish   Cancel

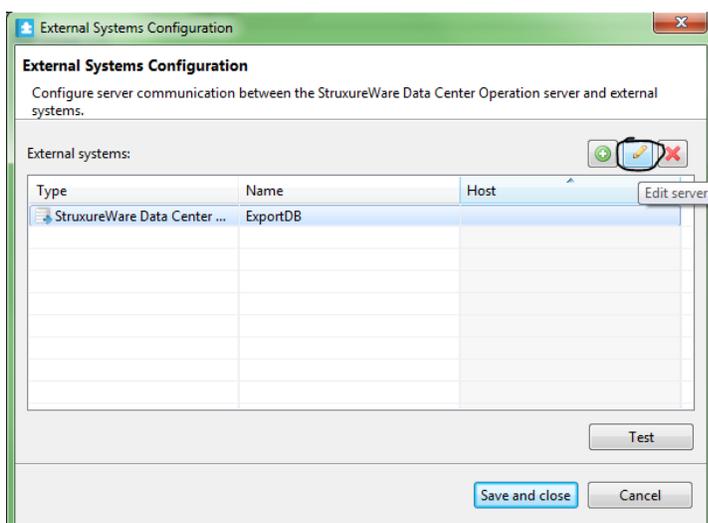
Click Finish to save the changes.



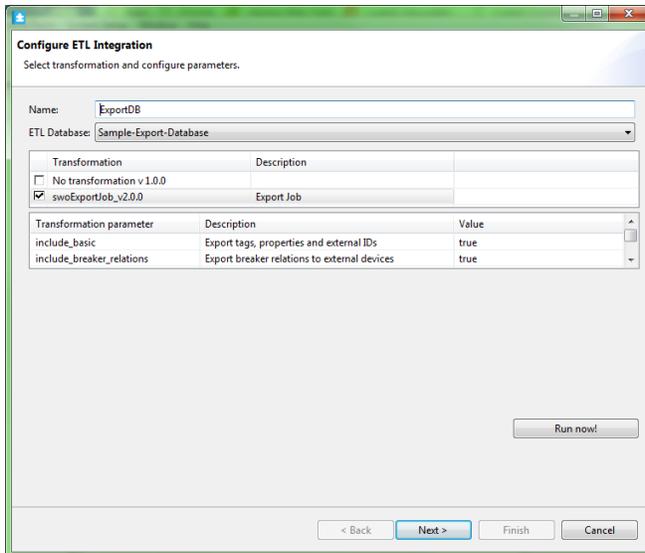
Click “save and close” to commit the changes to DCO.

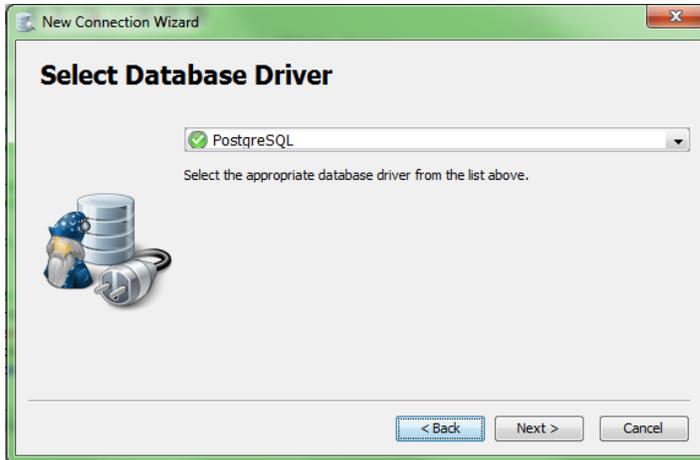
The export database will be empty. If you then want the content of the export database to be refreshed immediately, then open the external systems configuration window again (under the “System Setup” menu).

Select the ETL entry, and click the Edit button.

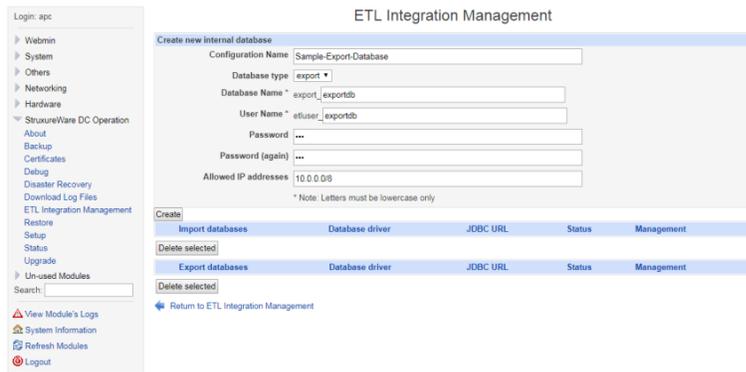


From the “Configure ETL Integration” pane click the “run now!” button to execute the data refresh immediately.



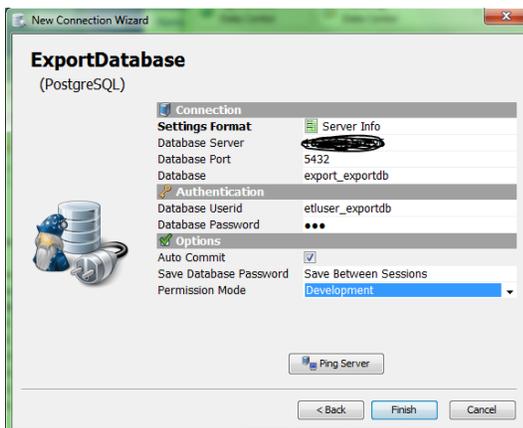


From the database connection window... specify the information you specified in the ETL menu in webmin. I re-pasted a copy of the webmin window here:



In the connection window:

- Specify the hostname or IP of the DCO server for the database server entry
- Specify the database name including the text “export\_” from the webmin page
- Specify the user name including the text “etluser\_” from the webmin page
- Specify the password



If the connection data is accurate, the connection will be made. Expand the connection info to see the tables/entries (see sample below).

