

# Data Warehouse

## EnterpriseDB to PostgreSQL migration

Directions assume DBA team has already transferred logins/passwords from EDB to PG.

1. Request DBA team create 5 schema

Name	Owner
dw	dw
pacfin	pacfin
dwsupport	dwsupport
dwauth	dwauth
useradmin	useradmin (Tst/Dev owner: useradmin_tst/useradmin_dev)

2. Update Data Warehouse software to 1.7rc1 per  
<https://nwcgit.nwfsc.noaa.gov/fram-data/warehouse/blob/master/README.md#updating>
3. Transfer *useradmin* from EnterpriseDB to PostgreSQL using Navicat Data Transfer
4. Edit db port number in  
/opt/auth-central/keycloak-3.4.3.Final/standalone/configuration/standalone.xml
  - a. Per Install step 7  
<https://nwcgit.nwfsc.noaa.gov/fram-data/auth-central#install-centos6-package>
5. Deploy updated JVM settings file
  - a. Per Install step 4  
<https://nwcgit.nwfsc.noaa.gov/fram-data/auth-central#install-centos6-package>
6. Request sysadmin restart of auth-central service (*service auth-central restart*)
7. Transfer *dwsupport* from EnterpriseDB to PostgreSQL using Navicat Data Transfer
8. Run *DWSupportExtraGrants.sql* per  
<https://nwcgit.nwfsc.noaa.gov/fram-data/warehouse/raw/master/database/ddl/DWSupportExtraGrants.sql>
9. Transfer *dwauth* from EnterpriseDB to PostgreSQL using Navicat Data Transfer
10. Run *DWAuthExtraGrants.sql* per  
<https://nwcgit.nwfsc.noaa.gov/fram-data/warehouse/raw/master/database/ddl/DWAuthExtraGrants.sql>
11. Edit db port number in /var/www/wsgi-scripts/warehouse/server/db\_dwsupport.ini

Source: [https://docs.google.com/document/d/1ykcCf9OYpVYkfA\\_yM56h7MZquYO6xXBMri\\_L9nYJuXI](https://docs.google.com/document/d/1ykcCf9OYpVYkfA_yM56h7MZquYO6xXBMri_L9nYJuXI)

12. Transfer *pacfin* from EnterpriseDB to PostgreSQL using Navicat Data Transfer
  - a. NOTE: this will take **12.5 hours**
13. Run *PacfinExtraGrants.sql* per  
<https://nwcgit.nwfsc.noaa.gov/fram-data/warehouse/raw/master/database/ddl/PacfinExtraGrants.sql>
14. Transfer *dw* from EnterpriseDB to PostgreSQL using Navicat Data Transfer
15. Per  
<https://nwcgit.nwfsc.noaa.gov/fram-data/warehouse/raw/master/database/ddl/ExtraStructure.sql>
  - a. Create FUNCTION *support\_table\_update*
16. Per  
[https://nwcgit.nwfsc.noaa.gov/fram-data/warehouse/raw/master/database/ddl/Trawl\\_HooknLine\\_Warehouse.sql](https://nwcgit.nwfsc.noaa.gov/fram-data/warehouse/raw/master/database/ddl/Trawl_HooknLine_Warehouse.sql)
  - a. Create VIEW *catch\_hooknline\_view*
  - b. Create VIEW *catch\_observer\_view*
  - c. Create VIEW *edc\_ftidfishery\_view\_conf*
17. Run *DWExtraGrants.sql* per  
<https://nwcgit.nwfsc.noaa.gov/fram-data/warehouse/raw/master/database/ddl/DWExtraGrants.sql>
18. Edit db port number in  
*/var/www/wsgi-scripts/warehouse/server/admin/etl/pentaho/kettle.properties\_Connection Details*
19. Deploy updated ETL job files per  
<https://nwcgit.nwfsc.noaa.gov/fram-data/warehouse/tree/master/server/admin/etl/pentaho/jobs>
  - a. */var/www/wsgi-scripts/warehouse/server/admin/etl/pentaho/jobs/ftftl\_pacfin\_to\_postgres\_and\_oracle.kjb.zip*
  - b. */var/www/wsgi-scripts/warehouse/server/admin/etl/pentaho/jobs/comprehensive\_ft\_job\_pacfin\_to\_postgres\_and\_oracle\_current\_year.kjb.zip*
  - c. */var/www/wsgi-scripts/warehouse/server/admin/etl/pentaho/jobs/comprehensive\_ft\_job\_pacfin\_to\_postgres\_and\_oracle\_last\_year.kjb.zip*
20. Edit db port number in */var/www/wsgi-scripts/warehouse/server/db\_config.ini*
21. Edit db port number in */var/www/wsgi-scripts/warehouse/server/db\_dwsensitive.ini*
22. Restart mod\_wsgi application