Generating PowerSchool Data Export File

# Background

Exports from PowerSchool can be done in two ways: Oracle query or Scheduled Export.

## Oracle Query (Preferred)

Oracle query is preferred because it captures co-teachers and can be run quickly by a scheduled job with your preferred data transform tool (Oracle direct, Pentaho, Microsoft SSIS, etc.). However, direct access to Oracle may not be possible if your PowerSchool instance is hosted.

## Scheduled Export

The scheduled export does not capture co-teachers, this is a limitation of PowerSchool. Additionally, each scheduled export can only be run once daily, so to run this job multiple times a day requires multiple jobs be created.

# Setup

Please see below information for setting up your export file:

## Oracle

## Enable SQL Connections

1. On the DB server, open oracle "sql developer" (<install drive>\oracle\product\<version>\dbhome\_1\sqldeveloper\sqldeveloper\bin\sqldeveloperW.exe) and open the "Local" connection
2. Right click on the "other users" section and create a user
3. Grant the user
   1. Roles: "connect"
   2. System privileges: "create session", "select any table" and "read any table"

## SQL Query

Using your preferred data transformation or query tool run the below query to generate the needed Data File. You may need to edit the select statement of the query to match your database fields. Additionally, the WHERE statement will need to be updated to reflect your current year term as well as other filters.

SELECT  
to\_char(cc.DATEENROLLED,'mm/dd/yyyy') as DATEENROLLED,  
to\_char(cc.DATELEFT,'mm/dd/yyyy') as DATELEFT,  
cc.SECTION\_NUMBER,  
cc.TERMID,  
courses.COURSE\_NAME,  
cc.COURSE\_NUMBER,  
schools.abbreviation AS SCHOOL\_ABBREVIATION,  
students.STUDENT\_NUMBER,  
students.FIRST\_NAME,  
students.LAST\_NAME,  
students.GRADE\_LEVEL,  
students.CLASSOF,  
students.HOME\_ROOM,  
students.STUDENT\_WEB\_ID,  
students.ENROLL\_STATUS,  
students.TEAM,  
u\_def\_ext\_students.Case\_Manager AS CASE\_MANAGER,  
u\_def\_ext\_students.IEP AS IEP504,  
teachers.email\_addr AS TEACHER\_EMAIL  
FROM  
    PS.CC  
    INNER JOIN ps.courses ON courses.course\_number = cc.course\_number  
    INNER JOIN ps.students on students.id = cc.studentid  
    INNER JOIN ps.schools ON schools.school\_number = students.schoolid  
    INNER JOIN ps.u\_def\_ext\_students ON u\_def\_ext\_students.studentsdcid = students.dcid  
    INNER JOIN ps.sectionteacher on sectionteacher.sectionid = cc.sectionid  
    INNER JOIN ps.teachers on teachers.id = sectionteacher.teacherid  
WHERE  
    students.enroll\_status = 0  
    AND cc.termid LIKE '29%'  
    AND courses.course\_name NOT LIKE '%LUNCH%'  
    AND u\_def\_ext\_students.IEP = 'IEP'