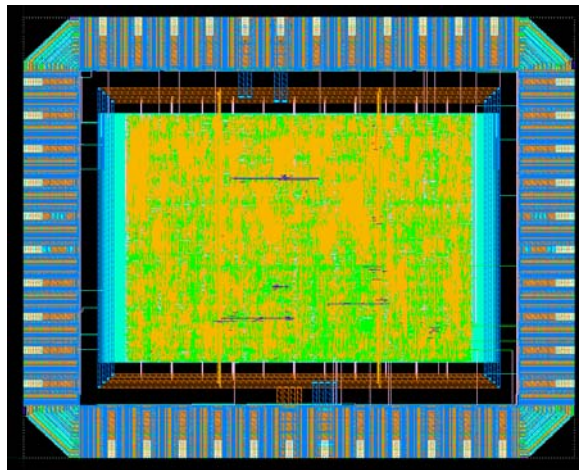




How to export a GDSII file from Virtuoso, using StreamOut tool

*This CMP tutorial is only accessible through a NDA in place.
It is compatible with different ST's technology and is based on **Cadence IC 6.1.7**.*

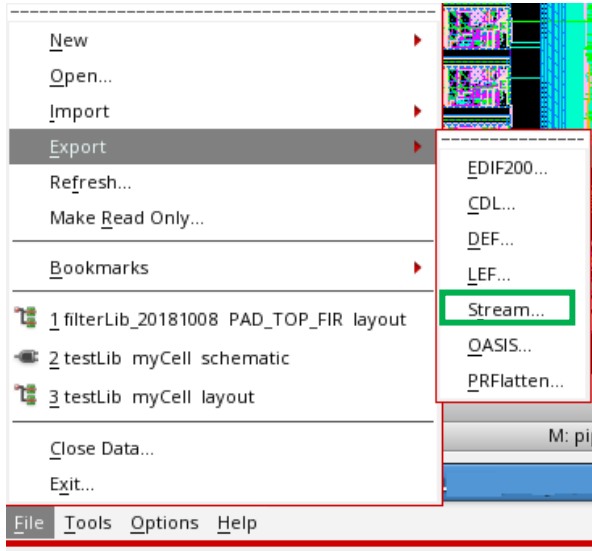


The purpose of this tutorial is to show how to generate the 3 following files before submitting a design to CMP:

- **topCellName.gds.gz**: design layout at compressed GDSII format.
- **topCellName.pipo**: stream-out report file generated by Cadence IC during the GDSII export.
- **topCellName.info**: a text file with a technical contact and data about the circuit.

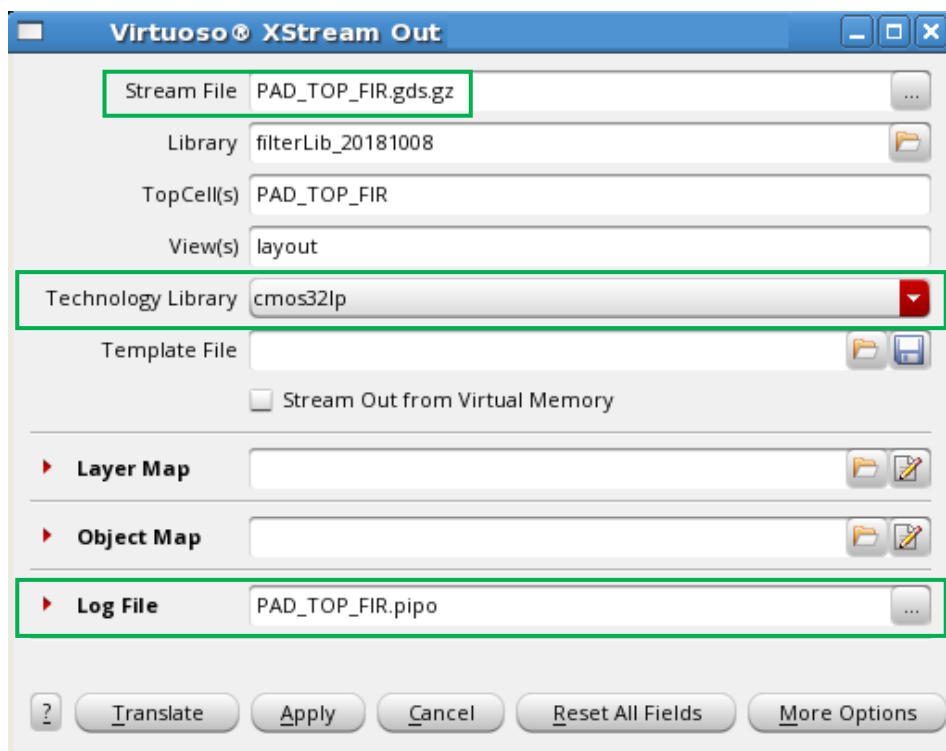
1) On Virtuoso, open the layout view where the top cell of your design is implemented.

2) In CIW window, select: File > Export > Stream... :



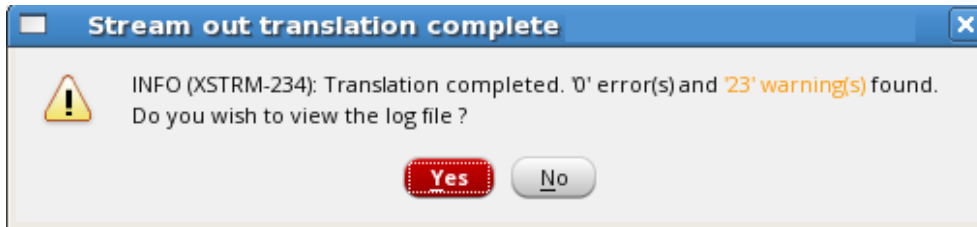
3) The StreamOut window opens. Please check and update the fields as follows (some fields are automatically filled, according to your opened layout):

- add “.gz” string to the “Stream File” so that the gds file can be automatically compressed,
- chose the “Technology Library” corresponding to the design-kit used,
- change the “Log File” name so that it respects the following: “topCellName.pipo”



5) Then, click on “Translate” button.

You should have a popup message telling the StreamOut translation succeeded:



6) Finally, create a .info file (text format), detailing a technical contact and data about the circuit (see example below):

```
MPW Run name: .....
Top-cell name: .....
Version*1: .....
Technical contact: .....
Phone: .....
Corporate email: .....
Address: .....
Pad class used for DRC*2: .....
Notes: .....
```

*1 The first version of the design is the version 1 then a next version is version 2, if a third version is transferred then the version will be version 3, and so on ...

*2 Pad classes are described in the Design rules Manual (DRM), check chapter "PAD CLASS CATALOG"

7) After the 3 files were created (topCellName.gds.gz, topCellName.pipo, topCellName.info), send them to CMP (through your web account, or FTP account if gds.gz file is bigger than 15MB).