# **EAD** on Layout

#### Kaijiong Yang

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## The Setup

Flow owner will set up and maintain the EAD configurations.

#### Release

For N7:

/wrk/BJCKTT3/angelf/EDA/EAD\_N7/.cadence/dfll/EAD

For N16:

/wrk/BJCKTT3/angelf/EDA/EAD/.cadence/dfII/EAD

#### **NOTE**

The path may change. Please refer to the last updated path.

#### **Steps**

1. Just copy the EAD setup folder into local .cadence directory:

/the/path/to/working/dir/.cadence/dflI/EAD

2. Then source layout environment and startup virtuoso, e.g. N7:

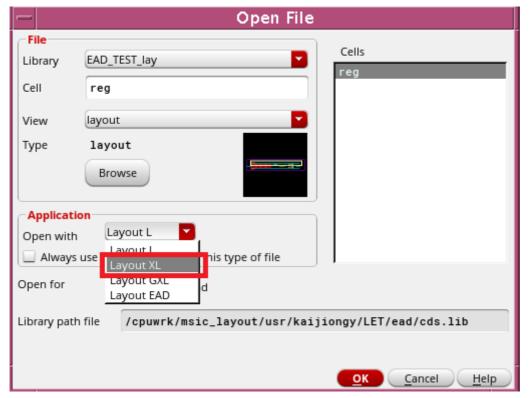
source /logic/kaijiongy/setup/N7/N7.cshrc
layoutPlus -log ~/CDS.log &

### Launch

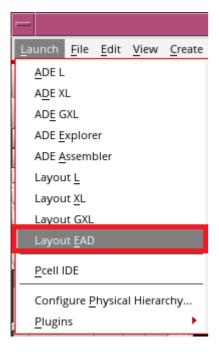
#### Set up the interface

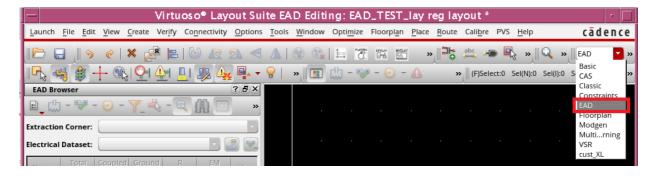
1. Open layout with Layout XL



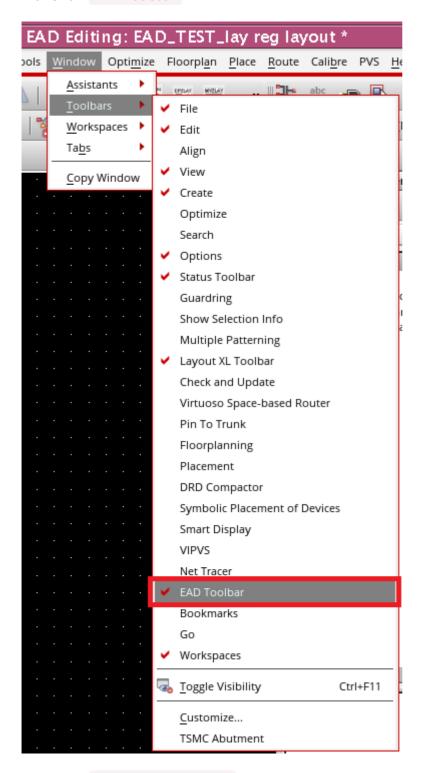


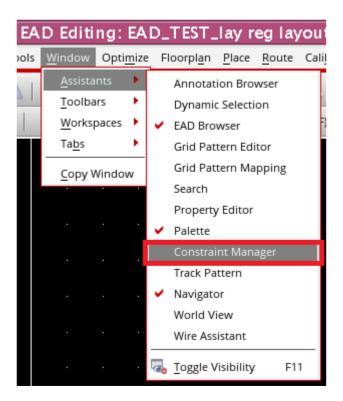
2. Lanch Layout EAD





3. Show EAD Toolbar

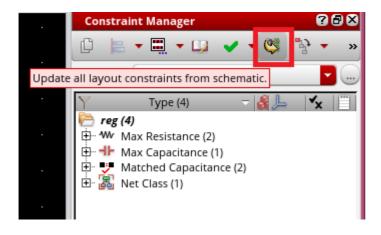




## Constrain

#### Working on layout according to constraints

1. Update constraints firstly

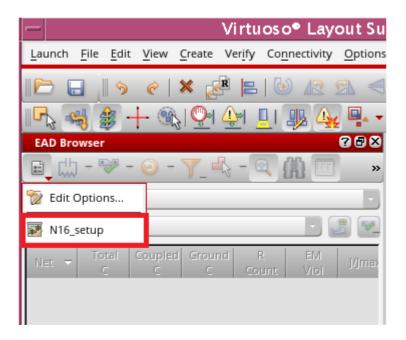


2. Check the items and details, obey the constraints to work on layout.

### **Extract**

#### In design EM-IR check

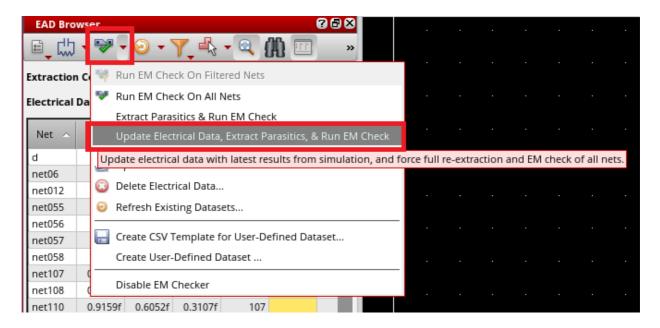
1. Load the setup in EAD Browser



2. Extract RC only



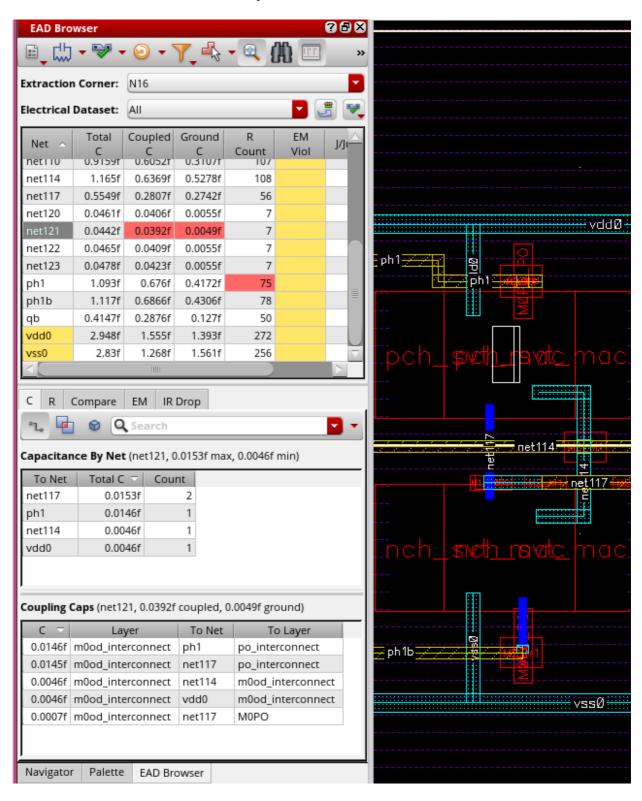
3. Run EM check after the designer have finished simulation and saved the results to dataset

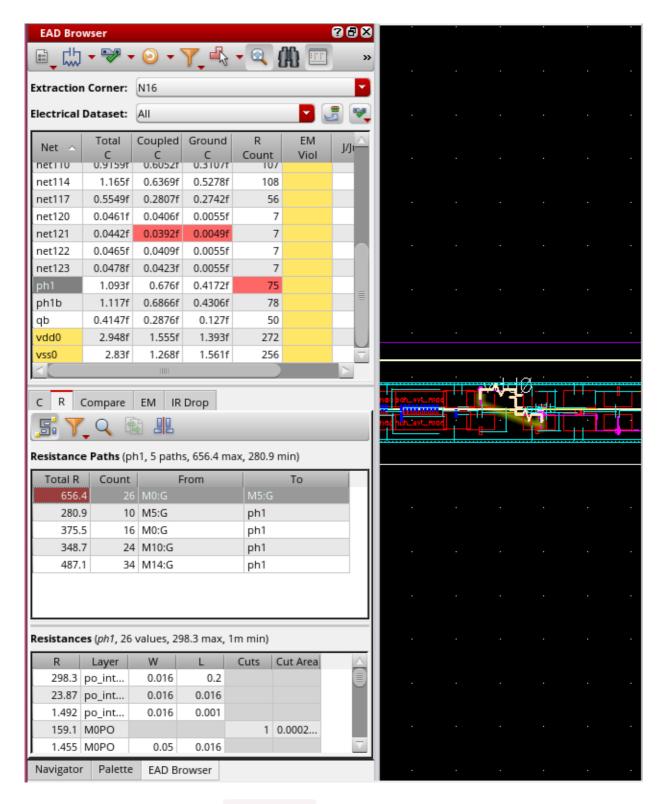


## **Modify**

#### Check the results and fix the violations

1. Click on the red item and fix the layout





2. Show P2P summary using EAD Toolbar

