OpenAccess Extensions Overview

What is an Extension?

❑ An Extension is software that extends the **reference Implementation** of the **OA API** by adding additional function

- "**OA**" = OpenAccess, as defined by the **O**pen**A**ccess Coalition
- **API** = The **I**nterface between the **A**pplication **P**rogram an EDA developer creates and the design database
- **Reference Implementation** = The base version of OpenAccess developed by the Integrator Company

Tell me more

- ❑ Proposed extensions to the OpenAccess API are reviewed by the OpenAccess Coalition
    - They may become part of the Reference Implementation
    - They may become additional extensions
        - Defined by the Extensions Steering Group (ESG)
- ❑ ESG Extensions
    - Changes submitted prior to release for review by ESG
    - Extensions ma be submitted from OpenStandards as well as within OpenAccess Coalition
    - Given sufficient member interest, a Working Group is started to develop the extension
    - Extensions can be End of Life (EOL) or put into Hiatus until member interest is sufficient
        - Example: Silicon Photonics, manufacturing cost is too high right now, so the extension is in hiatus

What Extensions are available?

- ❑ oaScript
  - Shell level APIs in Python, Perl, Ruby, and tcl
  - oaScript Working Group addresses all issues and enhancements
- ❑ oaxPop ("Polygon Operators")
  - Bulk Polygon manipulation tool suite
  - Works well with oaScript
  - Allows shape manipulation through collections called "figure sets"
    - Functions are set to set AND, OR, XOR isTouching, etc..
- ❑ oatDebug
  - Renaming and reviewing the Si2 OpenAccess database debugger
  - Old Version still available
- ❑ In Hiatus
  - Track Pattern
  - Silicon Photonics

How do I get Extensions?

Join the OpenAccess Coalition!
- Cost varies by company size
- Dues Calculator
  - www.si2.org->Join->Membership Quote
- Director Level Members (>1Billion Revenue) can Participate in the OAC Governing Bodies
- All OpenAccess Extensions are available to the membership
  - Including oaScript
- Any member can participate in Extension Working Groups
  - Invest in your favorite Extensions

There are many other advantages to membership!
- Go to: www.si2.org->Join