

Learn the OpenAccess API Using Python

Initial Contribution By

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Intel

2013

Updates & Additions by Si2 2020

Course Outline

1. Set Up - Must complete in advance
2. Introduction
3. Basic OA classes
4. Defining the OpenAccess library
5. The technology file - oaTech
6. The Design - oaDesign, oaBlock, oaCell , oaCellView
7. Working with shapes - oaShape
8. Special Objects - oaPRBoundary, oaLayerBlockage, oaTrackPattern
9. Wiring the Design - oaNet, oaTerm, oaPin, oaPinFig
10. Instantiating other designs - oaInst, remastering an instance
11. oaPartitions, creating them and using them
12. Extensions – oaxPop
13. The Embedded Module Hierarchy

Who are we?

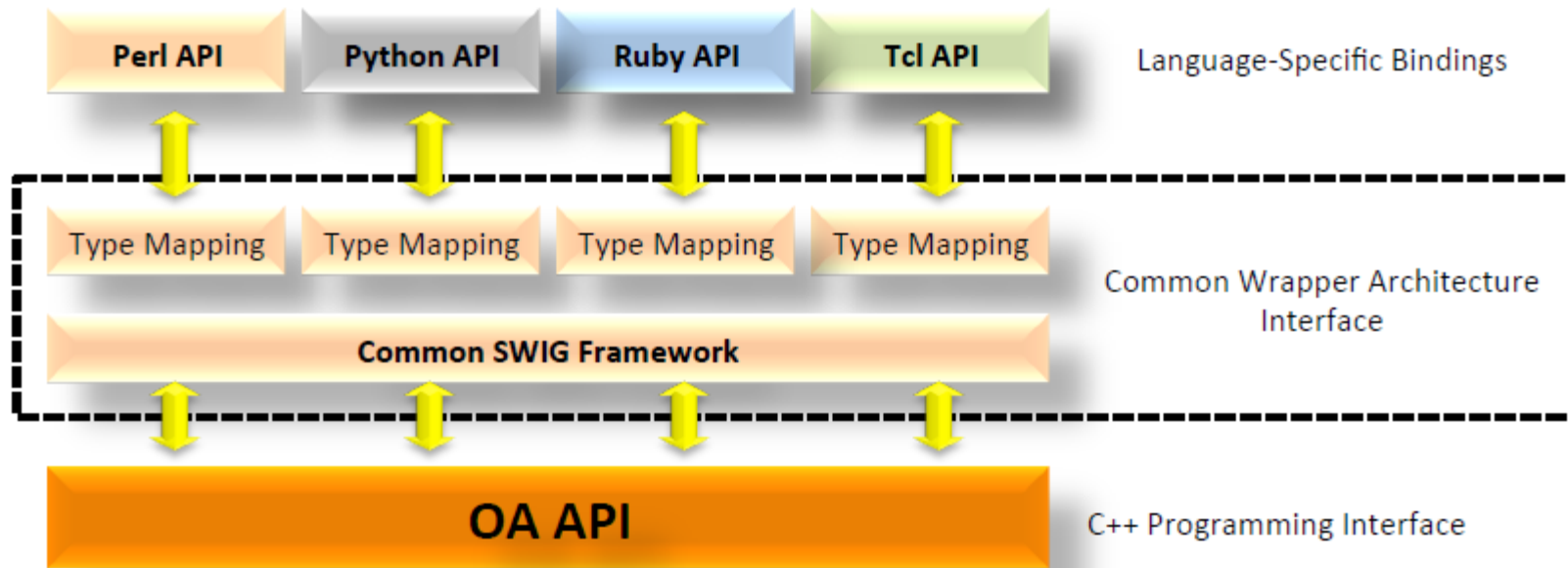
- Si2 - Silicon Integration Initiative
- Not for profit R&D Joint Venture
- Enable collaboration within the EDA Industry
- Home of the OpenAccess Coalition

What is oaScript?

- The OpenAccess API is in C++
- oaScript provides the ability to use scripting languages to access the data quickly and easily
 - Python, Ruby, tcl, and Perl

What is oaScript?

- The way to access OpenAccess data is through the C++ API
 - Write your own C++ Application
 - Or... oaScript can be used to provide direct access through scripts
 - This is done by the oaScript Working Group of the OpenAccess Coalition



This Training

- This training is intended to be a fast means to become familiar with the API
- This training is not intended to be a comprehensive course on the OpenAccess API
- Other training is available from the Member Portal
 - See Documentation and Training in the center of the OpenAccess Main Page
 - 700+ page course available for C++ Developers
 - There is a book on OA

Silicon Integration Initiative

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