SOLIDWORKS WORLD 2012



Goldmember: 99 Must-Know Methods and Properties of the SolidWorks API

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SolidWorks API Overview

- API = Application Programming Interface
- The API lets users to automate tasks using macros or add-ins
- Several languages available: VBA, VB.NET, C#, C++
- The API interacts with the SWX application through interfaces
- Interfaces have 2 kinds of members: methods and properties
- SolidWorks API programming consists of…
  - Creating variables
  - Assigning references or values to those variables
  - Using the variables

How Big Is the SolidWorks API?

- As of SolidWorks 2012, the SolidWorks API has…
  - 383 interfaces
  - 273 event notifications
  - Conservative estimate: 10,000+ members
- Yet, like any other language…
  - 5% of the "words" make for 95% of the "conversation"
- Using *only* 99 members, you might be surprised what you can accomplish

Thank You!

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Watch free SolidWorks API video tutorials at

www.cadsharp.com