4DMethod

4D & Wakanda
User Group

July 20th, 2016





Agenda

- I. About 4DMethod
- 2. 4D News from Jim Sobczak, Brian Young
- 3. Wakanda News from Xiang Liu
- 4. The 4D iNUG E-Digest Ed Hammond
- 5. What's to know in the Knowledgebase Brent Raymond
- 6. 'Find in sorted array' vs 'Find in array' comparison
- 7. Special topic: Code Analysis Component, Dani Beaubien
- 8. General Q & A
- 9. Next Meeting August 31, 2016 You?
- 10.Wrap up

Welcome



Brent Raymond

4DMethod 4D & Wakanda User Group

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4DMethod

4D & Wakanda User Group

- Combine efforts with other user groups around the world
- Bring together a scattered community of developers and users
- Stream meetings via Google Hangouts to allow people to participate in a live meeting from anywhere
- Record meetings and presentations to be viewed again or shared with others
- Provide fresh new content and exposure to all of the regional groups

Moment for victims in Nice



Remembering Brendan Coveney





General Manager (2000-2011) 4D, Inc.





4D News



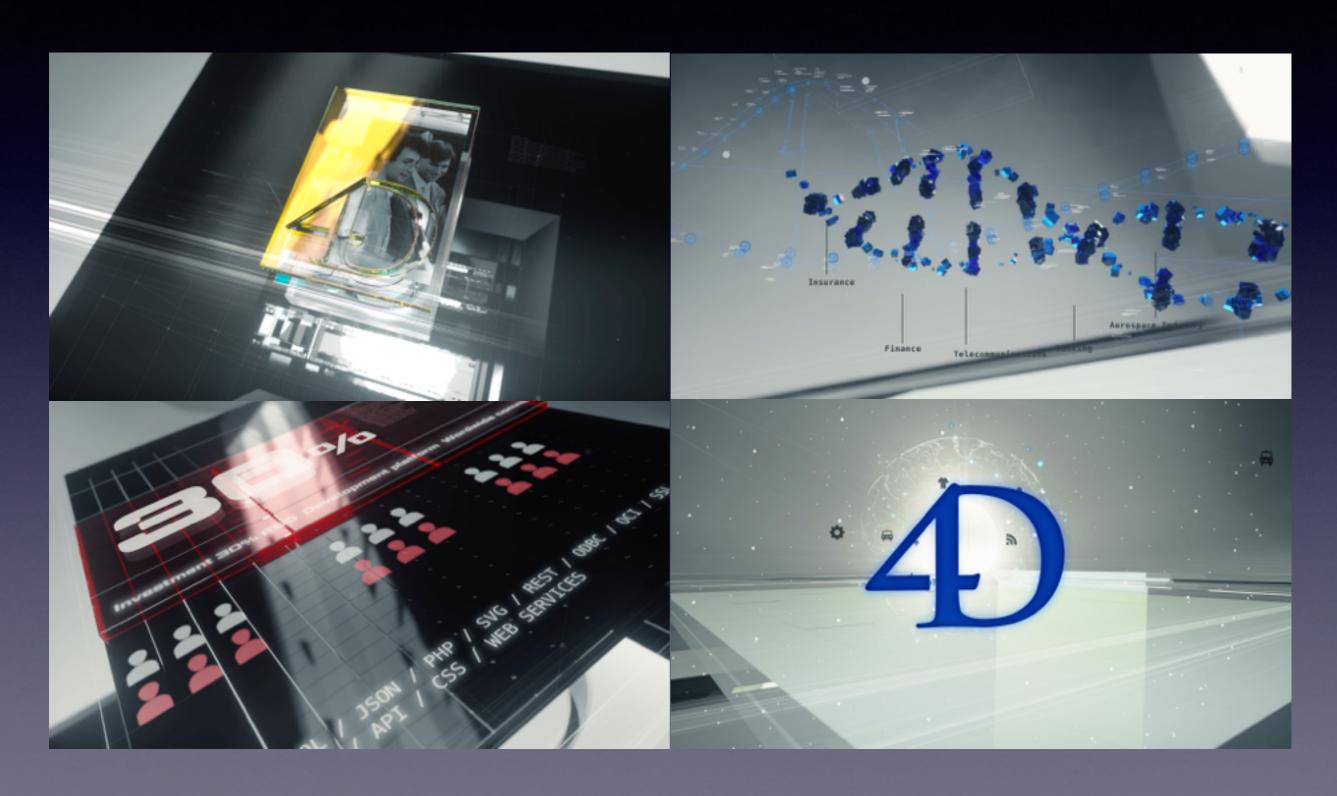
Jim Sobczak

VP of Sales & Services for 4D, Inc.

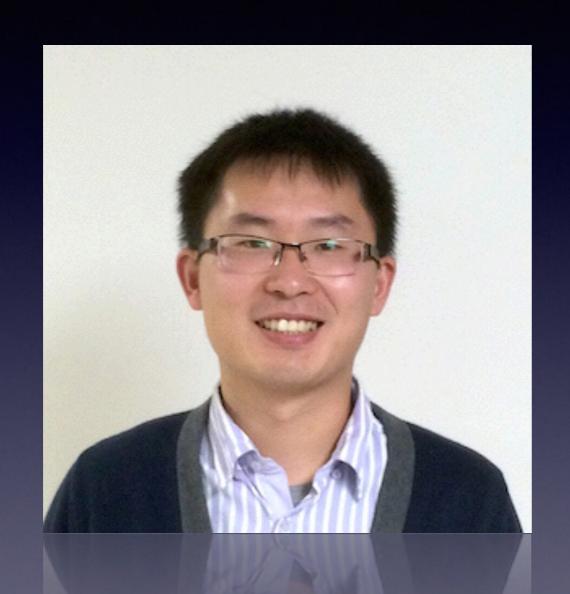
OEM Manager

jsobczak@4d.com

4D Promotional Video



Wakanda News



Xiang Liu

Technical Services
Engineer

4D Inc

XLiu@4d.com

https://www.linkedin.com/in/xiang-liu-05683232



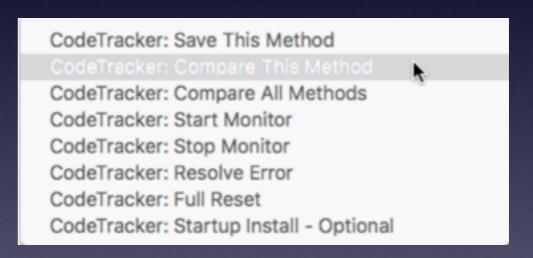
The 4D iNUG E-Digest Ed Hammond

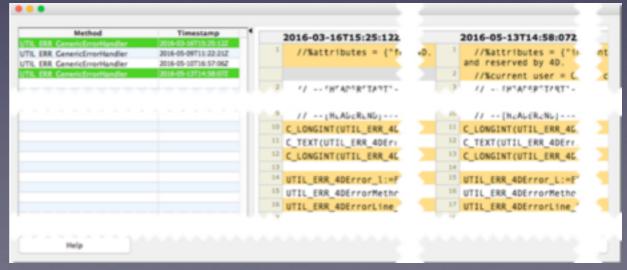


- Wide breadth of topics and 4D tech issues
- Take advantage of a wealth of 4D experience and knowledge
- Check out http://4dmethod.com/e-digests/ for a list of recent topics being discussed in the iNUG
- To register:
 http://lists.4d.com/mailman/listinfo
- All discussion accessible online at: http://4d.1045681.n5.nabble.com

What's to know in the Knowledgebase?

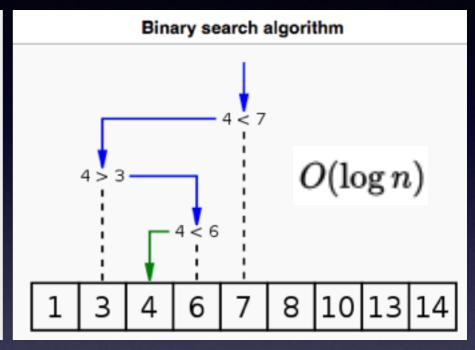
- 4D Summit 2016...
- 4D Summit Europe...
- CodeTracker
 Component
 http://kb.4d.com/assetid=77572

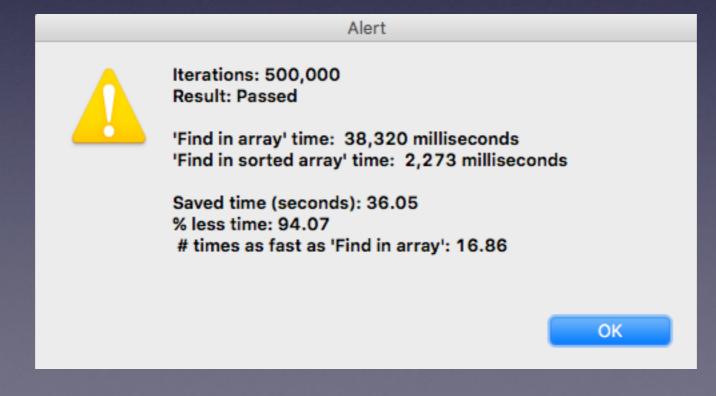




'Find in array' vs 'Find in sorted array'

Find in sorted array (array ; value ; > or < {; posFirst {; posLast}}) -> Function result			
Parameter	Туре		Description
array	Array	\Rightarrow	Array to search
value	Expression	\Rightarrow	Value (same type as array) to search for in the array
> or <	Operator	\Rightarrow	> if array is sorted in ascending order, < if it is sorted in descending order
posFirst	Longint	=	Position of its first occurrence if the value is found; otherwise position where the value should be inserted
posLast	Longint	—	Position of its last occurrence if the value is found; otherwise same as posFirst
Function result	Boolean	Þ	True if at least one element in array matches the value, False otherwise





Special Topic: Code Analysis Component

Dani Beaubien

Principal
Open Road Development Inc.

Business Analyst

Alberta Ministry of Education

https://ca.linkedin.com/in/dani-beaubien-8b36b48

Code Analysis Component v1.8.1 Released May 2, 2016

A 4D v14/v15 Component targeted to 4D developers to do analysis on their 4D Code. The component provides the ability to export all the methods in the host database as text files, export all the methods as HTML documentation, and provide statistics on each of the methods.

The component has been released for 4D v14 and 4D v15, free of charge, to the 4D Community.

Download Now

Code Analysis Component for 4D v12 or 13

Only a subset of the features are supported based on when active development for of the component for those versions of 4D was stopped.

The component has been released, free of charge, to the 4D Community.

Download Now

Source Code Control Support

As of Release 1.4 of the component, the exported methods are source code control friendly. The end-of-line characters default to the norms for the platform (LF on Mac OS X, CRLF on Windows). This can be customized using preferences as well you can customize the name of the folder that the code is exported to including the ability to append just the current date, current date and time or append nothing.

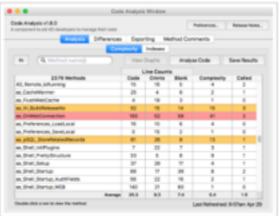
Future versions of the component will have increasing support for managing the methods that go into a folder that is linked with source control.

All the properties that 4D has provided a getter for are included in the exported JSON files.

Perform Method Code Analysis

The component performs basic code analysis on every project method, project form method, table form method, database method and trigger method in the structure.

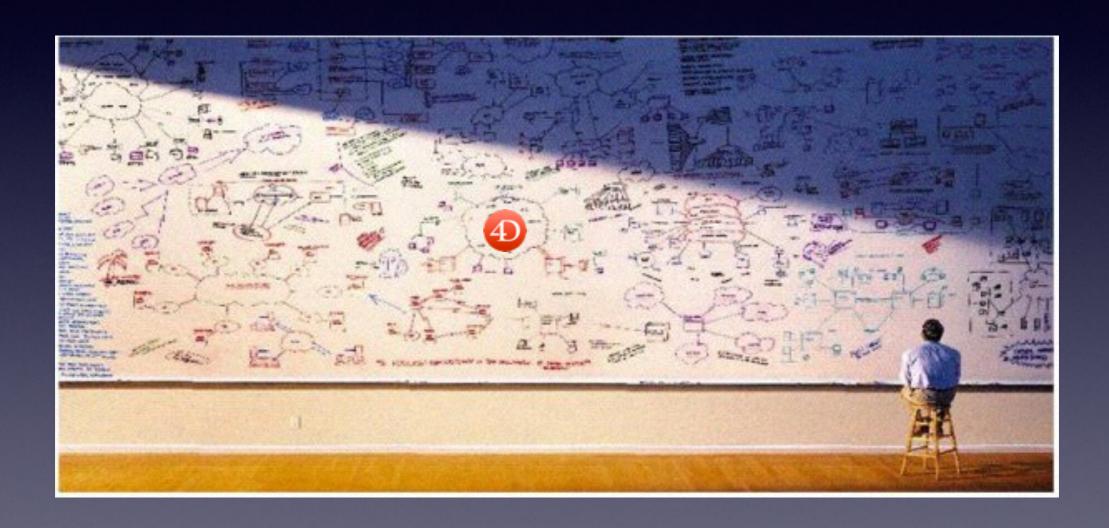
From this tab, the user can see some basic statistics for each method including cyclomatic complexity. The results of the analysis can be saved for future usage. The thresholds for the cyclomatic complexity and other parameters are modifiable and stored in the component's preferences.





http://openroaddevelopment.com

Questions?



Next Meeting



http://4dmethod.com/schedule/

Next Meeting

Calling for speakers who would like to demo some of their work or applications. Open dates include:

August 31st, 2016, 12:00 noon, CST (UTC-6:00) October 12th, 2016, 12:00 noon, CST (UTC-6:00) December 7th, 2016, 12:00 noon, CST (UTC-6:00)

Let's see some more Wakanda!

Wrap Up

Other questions?

Discussion

Feedback is appreciated