



4D User Group

August 19, 2020



meeting #45

Agenda

1. About 4DMethod
2. 4D News, Jim Sobczak
3. 4D Blog Highlights
4. 4D Open Source Group
5. Special topic: A Modern Component for Reading Delimited Text Files – Dani Beaubien
6. General Q & A
7. Next meeting - October 7, 2020

Welcome



Brent Raymond



4D User Group

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4D User Group

- Bring together a scattered community of developers and users
- Use video conferencing for meetings to allow people to participate from anywhere
- Record meetings and presentations to be viewed again or shared with others
- Provide fresh new content and exposure for users and developers everywhere



Jim Sobczak

VP of Sales & Services
OEM Manager

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Online Training

A diagram illustrating Git workflow. It shows a central vertical line with a blue circle in the middle labeled 'GIT COMMAND'. To the left, a vertical line has three orange circles, with labels 'REMOTE', 'PUSH', and 'BRANCH' next to them. To the right, a vertical line has three green circles, with labels 'PULL', 'MERGE', and 'COMMIT' next to them. A laptop is shown in the background with code on its screen.

4D ONLINE TRAINING

PROJECT MODE
What, Why, How?

THANK YOU
For Attending!

THANK YOU

For attending the Project Mode - Online Training

The recording is now online for all participants.

<https://events.4d.com/summit2020>



Online Training

Creating a simple
TimeStamp Class in 4D

requires 4D v18 R4

@tiranbe
#ORDA #4DSoftware

0:00 / 11:48

▶ ⏸ 🔊 ⚙️ 📺 🗑️ 🗉

The video player shows a tutorial titled 'Creating a simple TimeStamp Class in 4D'. The video is currently at 0:00 out of 11:48. The player includes standard controls: play, pause, volume, settings, full screen, and a share icon. The video content includes the text 'requires 4D v18 R4', '@tiranbe', and '#ORDA #4DSoftware'.





<https://discuss.4d.com/t/a-short-tutorial-on-how-to-create-a-timestamp-class-in-4d-v18-r4/15169>



4D Blog Highlights



- Pro list box features are now FREE!
- Automatic row height in list boxes (requires arrays)
- Using object arrays in columns

Picture	Name	Short text
	ABORT	The ABORT command is used from within an error-handling project method installed using the command ON ERR CALL .
	ASSERT	The ASSERT command evaluates the boolExpression assertion passed in parameter and, if it returns false, stops the code execution with an error message. The command works in interpreted and compiled mode.
	Asserted	The Asserted command has an operation similar to that of the ASSERT command.
	FILTER EVENT	You call the FILTER EVENT command from within an event-handling project method installed using the ON EVENT CALL command.

Label	Value
Document Name	MyReport
Document Type	PDF ▼
Reference	123456
Category	<input type="text" value=""/>
Include Abstract	<input checked="" type="checkbox"/>
Printable area size (height)	297 mm
Printable area size (width)	210 mm
Show Preview	<input type="button" value="Preview..."/>

<https://blog.4d.com>



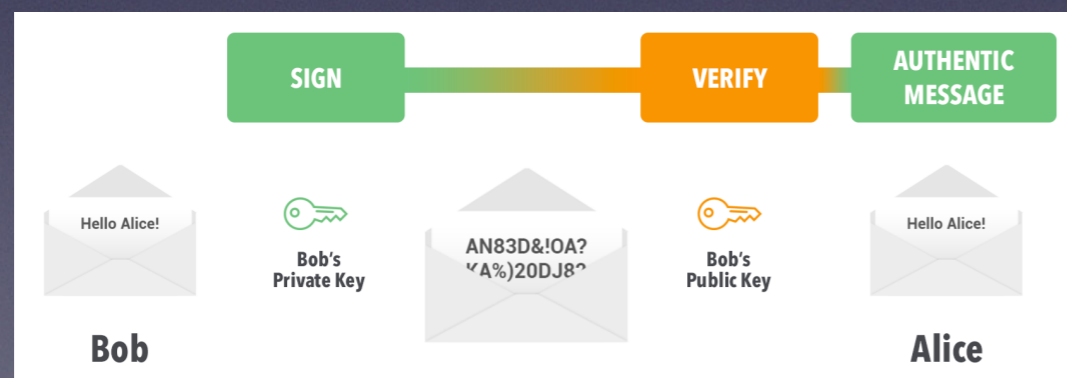
4D Blog Highlights



- List boxes: Setup movable rows (or not!) by code
- New declaration syntax for an intuitive autocompletion
- CryptoKey: Encrypt, Decrypt, Sign, and Verify

Action	
Standard action	
Method	
Draggable	None
Dropable	None
Movable Rows	<input checked="" type="checkbox"/>
Sortable	<input checked="" type="checkbox"/>

▼ Events



```
Method: Method12
1 var $folder : 4D.Folder
2 $folder:=Folder(Current resources folder)
3 $folder.
  copyTo()
  create()
  createAlias()
  delete()
  file()
  files()
  folder()
  folders()
```

Ln 3 Col 0 Ch 9



4D Open Source



File_TableDelimited

A Modern Component for Reading Delimited Text Files

4d 4d-component

● 4D 📄 MIT 🍷 0 ☆ 0 ⚠️ 0 📄 0 Updated 16 hours ago

FileFolder_Utils

A 4D component with some basic file and folder utility methods

● 4D 📄 MIT 🍷 0 ☆ 0 ⚠️ 0 📄 0 Updated 16 hours ago

OBJ-module-class

A class to read and write to an object with a string path. Can be used as a replacement form Cannon Smith's OBJ Module.

● 4D 📄 MIT 🍷 1 ☆ 1 ⚠️ 0 📄 1 Updated 25 days ago

4D-Package-Manager

The start of a package manager component to let 4D developers find open sourced code to be used in their own projects.

📄 GPL-3.0 🍷 0 ☆ 0 ⚠️ 1 📄 0 Updated on Jul 9

4D-Open-Source.github.io

Website for 4D Open Source

🍷 0 ☆ 0 ⚠️ 0 📄 0 Updated on Jul 4

<https://github.com/4D-Open-Source>



4D Open Source

GitHub

4D-Package-Manager

The start of a package manager component to let 4D developers find open sourced code to be used in their own projects.

Requirements Wish List

- Able to search methods that developers have published on github. At a minium, can search methods that have been published on 4D Open Source github. **NOTE** [dbeauvien/4D-Github-API-Component](#) has sample code that shows how to fetch a file off a github repository.
- Be able to search by type (method, component, example?), contents of title, github tags, etc. Implies that we will need to collect that information. Could be done using GitHub APIs.
- Developers can select methods they want and have them added to their structures. The component will need to keep track (in the structure's Resources folder) which methods were downloaded and which version.
- The package manager should be able to detect when there is a newer verion on github and let the developer update their code
- Able to do the same for components.
- Able to do the same for example code.
- Able to submit bug fixes.
- Able to add new resources.

<https://github.com/4D-Open-Source>

Special Topic:
**A Modern Component for Reading
Delimited Text Files**

Dani Beaubien

Principal

Open Road Development Inc.

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https://github.com/4D-Open-Source/FileFolder_Utils

https://github.com/4D-Open-Source/File_TableDelimited

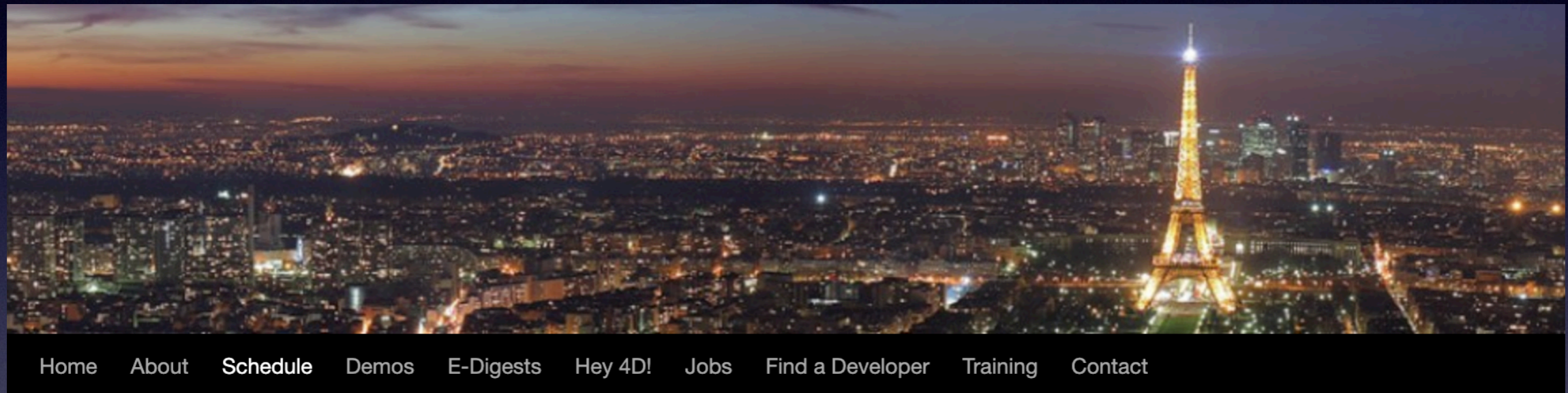
Open Road Development Inc.

Questions?



Open Road Development Inc.

Next Meeting



<http://4dmethod.com/schedule/>

Next Meeting

*October 7 - Building your own Classes in 4D:
Examples and sample code - Tim Nevels*

Calling for speakers who would like to demo
some of their work or applications.

<http://4dmethod.com/schedule/>

Wrap Up

Other questions?

Discussion

Feedback is appreciated



<https://www.patreon.com/4dmethod>