4D User Group

November 20, 2024

Meeting #75

Agenda

1. About 4DMethod
2. Upcoming user group presentations
3. Happy Hour Review - Kirk Brooks
4. 4D News - Jim Sobczak
5. 4D Blog Highlights
6. Of Note in the Knowledge Base
7. Special topic: Dynamically Constructing ORDA Queries with a JSON-Based Query Framework – Juan Carlos Perez

Welcome

Brent Raymond

4D method

4D User Group

4dmethod.com

4dmethod@gmail.com

4D User Group

- Bring together a scattered community of developers and users
- Share new programming techniques
- See where 4D is deployed in the world
- Find 4D development support
- What can be done with 4D?! Great Ideas!

This is Your 4D Support Community!

Be a Presenter

This is your group!
Show off your application, your product, or just some things you've been working on.

- January 22 - Offline Updates and 2-Way Synchronization In ORDA – Keisuke Miyako
- March 12 - 4D and AI – Bring the Power of LLMs to Your 4D Applications – Ricardo Mello
- April 30 - Beautiful Documentation Made Easy – Jim Kerver

http://4dmethod.com/schedule/

What about you?!

2025 open dates:

June 18

August 6

Or… record a short demo to share on 4DMethod

http://4dmethod.com/schedule/

Happy Hour
4D on Tap

- Connect on Zoom Friday afternoons, 3:30 PDT (90 min - 2 hours + depending on the discussion and interest
- Very informal, not all about 4D but mostly
- Much screen sharing, first hand look at dev
- BYOP (Bring Your Own Problem) you serve the problem and keep all the tips!

4dhappyhour.com

4D News

Jim Sobczak

VP of Sales & Services
OEM Manager

jsobczak@4d.com

20 R6 Released

- REST/ Qodly support of Singletons
- HTTP Agents (customize connections to HTTP servers)
- Shared Classes between Components
- Comparison operators for objects/ collections (=,#)
- Session storage by id - access to other Sessions (web & client)

https://blog.4d.com/4d-20-r6-is-here/

20 R6 Released

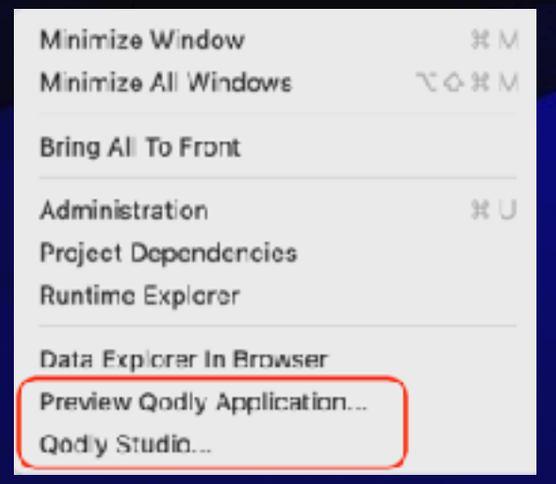
- Preference for compiler warnings
- Custom parameters for web area init (4DCEFParameters.json for Chromium config)
- Integrate components from GitHub repositories
- 4D NetKit - custom OAuth 2.0 connection dialog
- Update to subform scrolling behavior

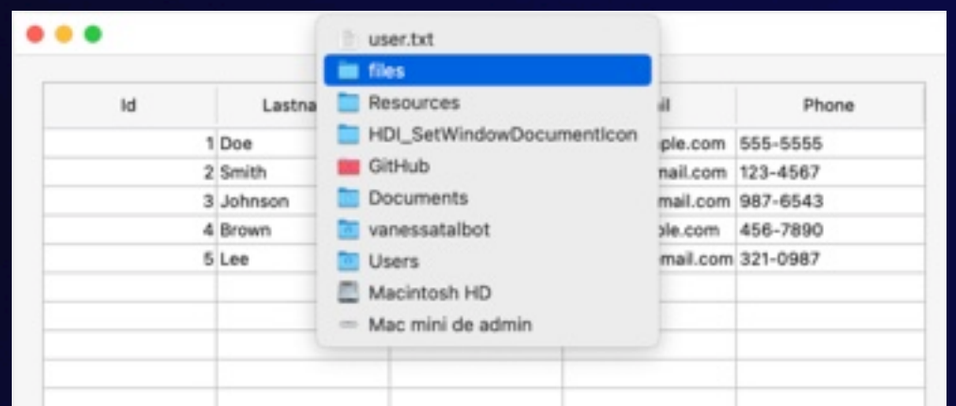
https://blog.4d.com/4d-20-r6-is-here/

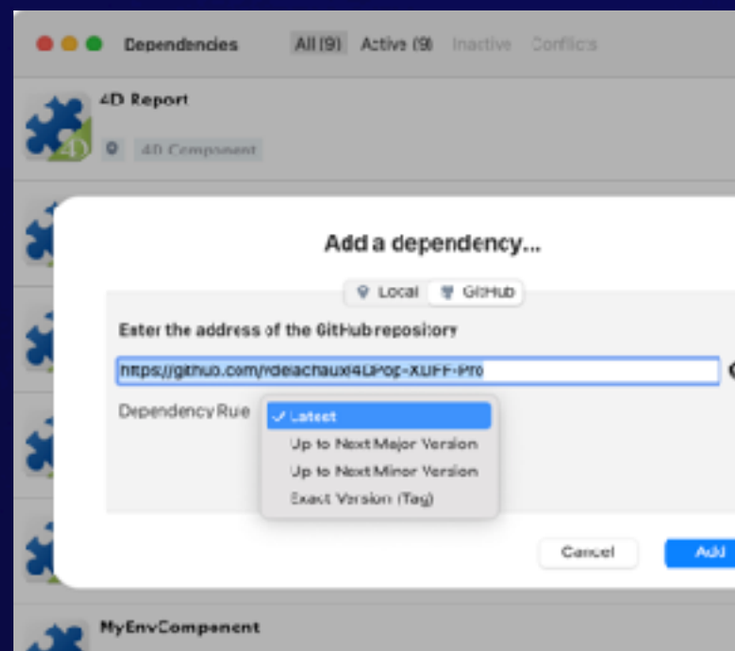
4D Blog Highlights

https://blog.4d.com

- Access Qodly Studio for 4D directly from your 4D server to test and debug your code
- Exciting enhancements for managing processes and sessions
- Define a different icon for each window
- Adding and Removing Github and Local Components Made Easy







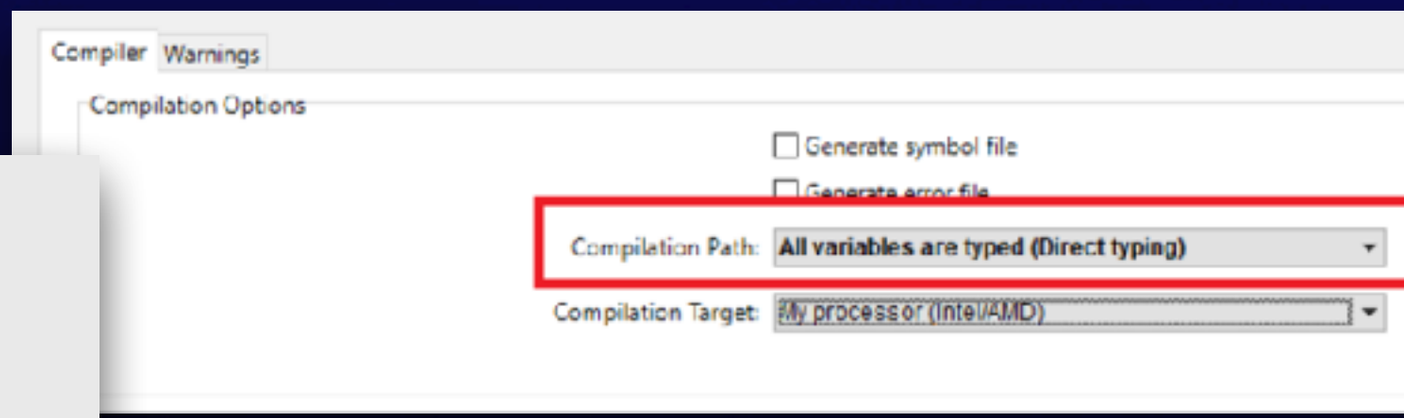
4D Blog Highlights

https://blog.4d.com

- Enhancing Compilation with Direct Typing in 4D (#declare syntax mandatory if enabled!)
- Introducing Session Singletons
- Encryption. Authentication. & Certificate Authority Validation (new buildSettings.xml key)
- Energize your Web applications with the OutgoingMessage Class

```
//class ItemInventory
    property itemList : Collection:=[]

session singleton Class constructor()

shared function addItem($item:object)
    This.itemList.push($item)
```

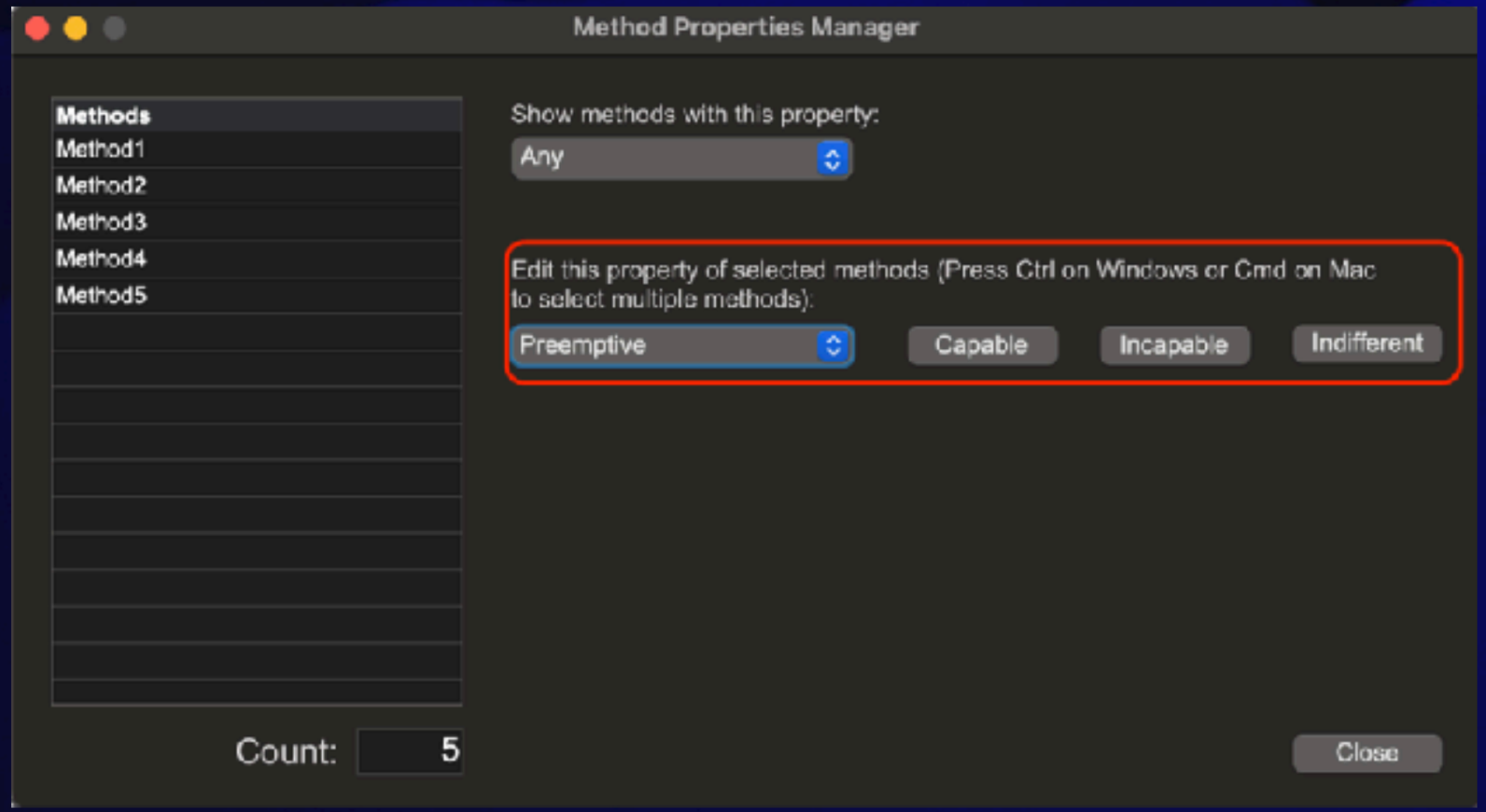
```
exposed onHTTPGet Function getFile() : 4D.OutgoingMessage

var $result:=4D.OutgoingMessage.new()
var $file:=File("/RESOURCES/testFile.pdf")

$result.setBody($file.getContent())  // This is binary content
$result.setHeader("Content-Type"; "application/pdf")
return $result
```



Of Note in the Knowledge Base

Add Komoncharoensiri

- Method Properties Manager - Elliott Jensen
  https://kb.4d.com/assetid=79556



Special Topic:
Dynamically Constructing ORDA Queries with a JSON-Based Query Framework

Juan Carlos Perez

Senior Software Architect, IS Director, QMed Corp.

https://www.linkedin.com/in/juan-carlos-perez-437112/

4D QMED

Questions?

Wrap Up

Other questions?

Discussion

Feedback is appreciated

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