



4D User Group

January 24, 2024



Meeting #69

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: What's on the Menu,
Simplifying Menu Construction - Travis Miles

Welcome



Brent Raymond



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.

March 13 - ULO (User Listing with ORDA) Online –
J Douglas Cryer (Consiglieri)



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



What about you?!

2024 open dates:

May 1

June 26

August 14

October 2

November 20

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



News



Jim Sobczak

VP of Sales & Services
OEM Manager

jsobczak@4d.com



News



v20 R3
RELEASE
WEBINAR

November 25 (tomorrow)

12:00 pm CST

https://go.4d.com/ReleaseWebinar_4Dv20R3_na-en.html

News



Recordings now available in the 4D Store
On Demand



v20 R3 Released

- Language features - inline variable declaration, ..., .multisort()
- PHP commands deprecation/ interpreter removed
- Global stamps for tracking data changes
- WebSocket client headers
- Visual Studio Code documentation links
- 4D Write Pro : PDF/A Format (file inclusion)

<https://us.4d.com/new-4d-v20-r3>

4D Blog Highlights

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



- > Structure Definition Export in HTML (also includes relationship infos)
- > Streamlined Method Parameter Declarations (Compiler_ method parameter declarations no longer necessary if using #DECLARE!)
- > SSL/TLS: Support for ECDSA certificates
- > 4D Write Pro: Electronic Invoice Generation!

```
var $fileHandle : 4D.FileHandle:=Try(File($path).open())
If ($fileHandle#Null)
    $text:=Try($fileHandle.readText()) || "Error reading the file"
End if
```

```
If (Last errors#Null)
    // Error management
    LogErrors(Last errors)
End if
```



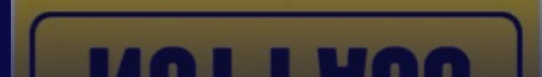


4D Blog Highlights

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



- > A New Way to Handle Errors (TRY(), Last errors, multi-line on the way)
- > Introducing Code Live Checker: Elevating Code Quality in 4D Development (Code Live Checker for 4D classes)
- > Auto-Generated SSL/TLS Certificates for Client-Server Communications (only client server, but auto-regenerate is fantastic security)
- > Non-blocking Printing (Compatibility setting, Print options per process)



4D Blog Highlights

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



- > Tailored Customization for Dates and Times
(String command, OBJECT SET FORMAT, and
interface (custom pattern))

15/06/2000 -> "QQQQ" -> "2nd quarter" (localised in your language like "2è trimestre" in french !)

17/03/2001 -> "D" -> "76" (76th day of the year, 77th in leap years)

17/03/1954 -> "w" -> "11" (11th week of the year – which varies according to the year!)

17/03/1954 -> "eeee" -> "Wednesday" ((You can double-check that it was a Wednesday 😊 (Also localised)

Display	
Date Format	Custom
Pattern	QQQQ
Visibility	Visible
Blank if null	<input type="checkbox"/>

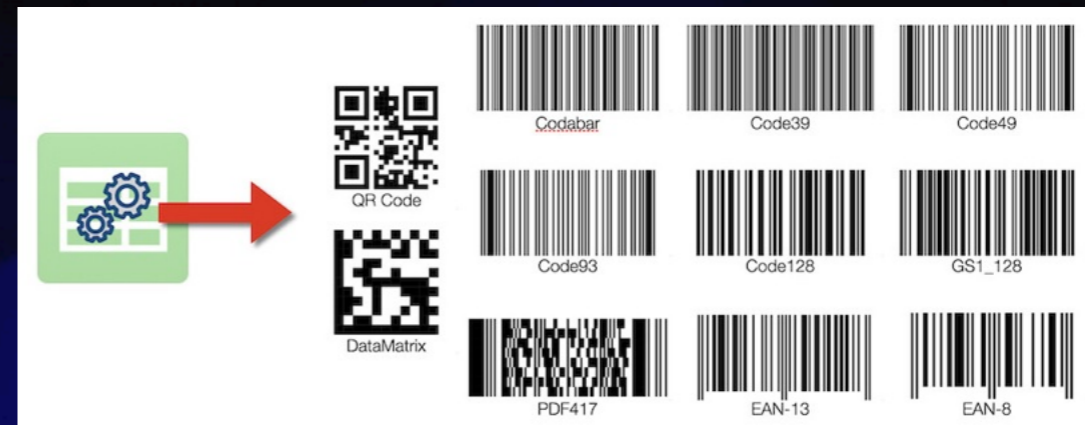
Display	
Time Format	Custom
Pattern	HH 'h' mm 'min' ss 'sec'
Visibility	Visible
Blank if null	<input type="checkbox"/>

Of Note in the Knowledge Base

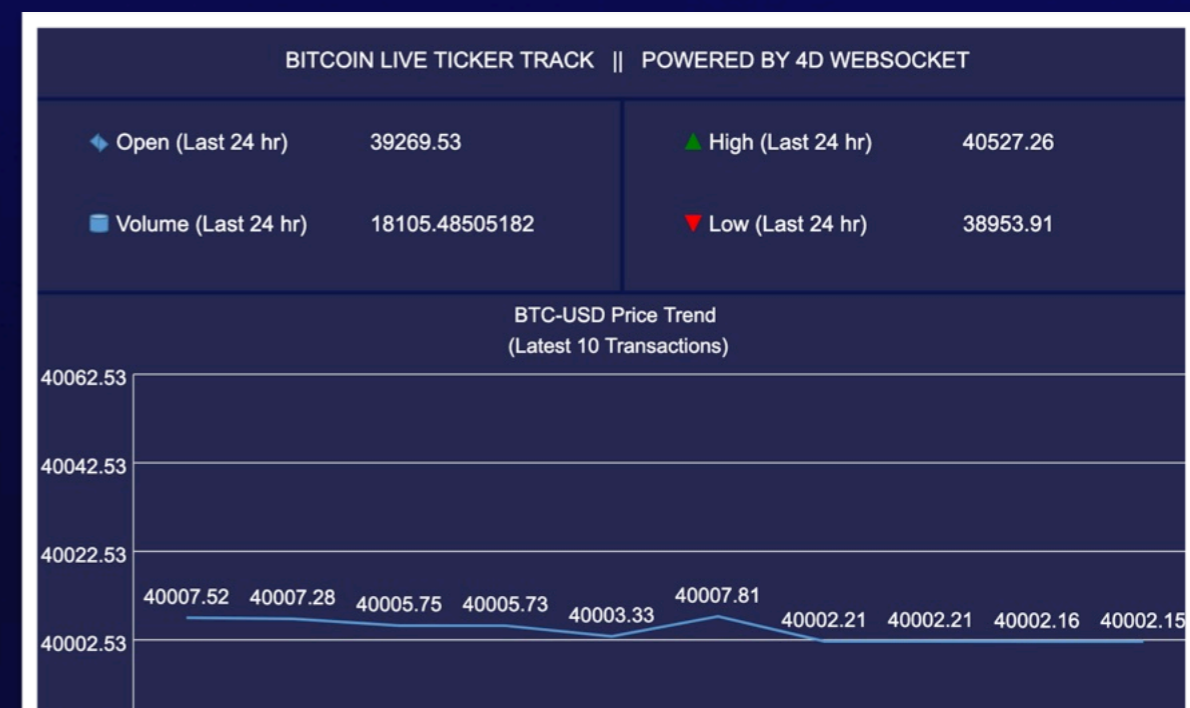
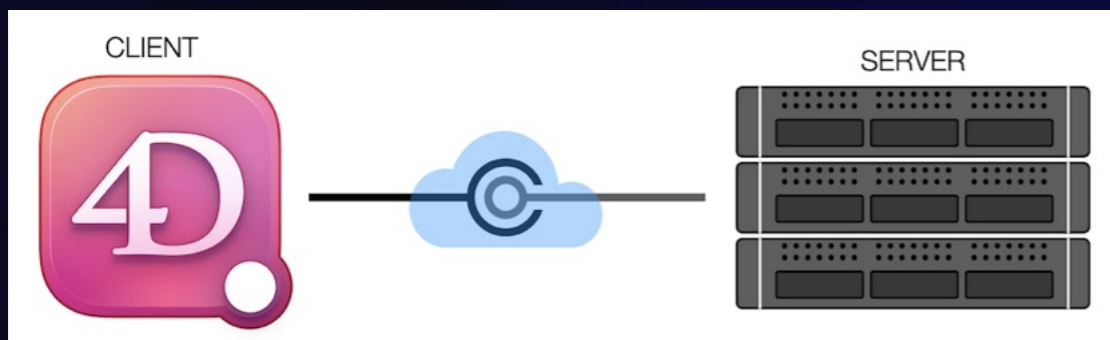
Add Komoncharoensiri



- Generating Barcodes and QR Codes with 4D View Pro - Tai Bui
<https://kb.4d.com/assetid=79366>



- Visualize Real-Time Data with WebSocket Client & 4D View Pro - Nhat Do
<https://kb.4d.com/assetid=79367>



Special Topic: What's on the Menu, Simplifying Menu Construction



Travis Miles

**Senior Software Engineer
Sweetwater Sound**

Sweetwater[®]



Questions?



Wrap Up

Other questions?

Discussion

Feedback is appreciated



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