



# 4D User Group

March 4, 2026



Meeting #84

# 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. Developments in AI - Greg Loya
7. Of Note in the Knowledge Base - Add Komoncharoensiri
8. Special topic: BWEB + AI: Rapid development of web applications with 4D – Jean-Michel Biraghi

# Welcome



## Brent Raymond



4D User Group

[4dmethod.com](http://4dmethod.com)

[4dmethod@gmail.com](mailto:4dmethod@gmail.com)



## The Global Online 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!

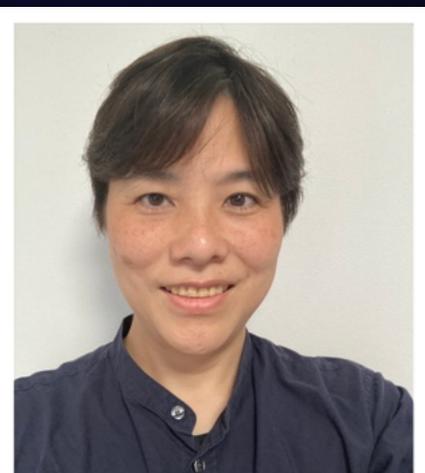
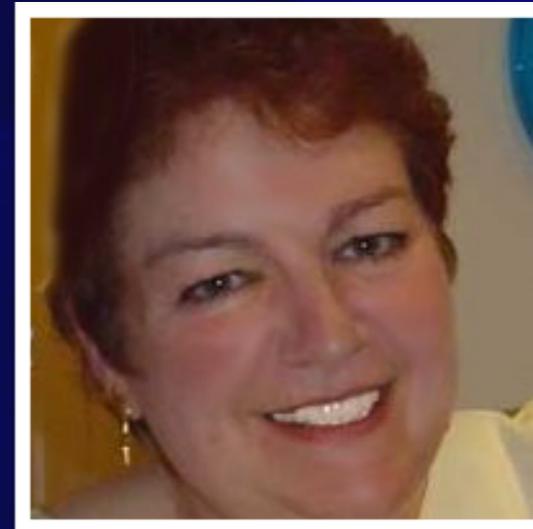
This is Your 4D Support Community!



# Be a Presenter

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

- \* April 22 - Cool Stuff You Can Do With 4D Write Pro – Pat Bensky
- \* June 10 - Taking AI Kit off the Grid – How to build your own private semantic search engine



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



# What about you?!

2026 open dates:

July 29

September 16

November 4

Or... record a short demo to  
share on 4DMethod



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





# Happy Hour 4D on Tap



- Kirk Brooks, E4D LLC
- Connect on Zoom Friday afternoons, 2:30 PDT
- Very informal. Not all about 4D, but mostly
- Much screen sharing, first hand look at development
- BYOP (Bring Your Own Problem) you serve the problem and keep all the tips!

[4dhappyhour.com](http://4dhappyhour.com)



News



Jim Sobczak

VP of Sales & Services  
OEM Manager

[jsobczak@4d.com](mailto:jsobczak@4d.com)



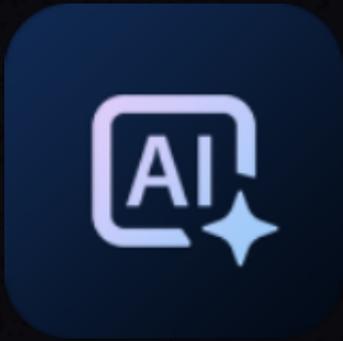
# News



## Vibe Coding with 4D

2 sessions on March 19th  
customized hours for Europe  
and North America

By  
**Mathieu Ferry**

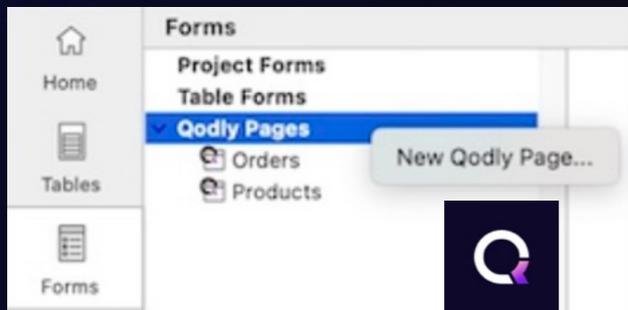


# 4D Blog Highlights



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

- > Give Your Components a Visual Identity with Custom Icons
- > Searching Across Host Projects and Components in 4D
- > Get an easy start with Qodly pages in the 4D explorer
- > 4D AI: Sorting Query Results by Vector Similarity
- > Better Error Handling and Type Inference



```

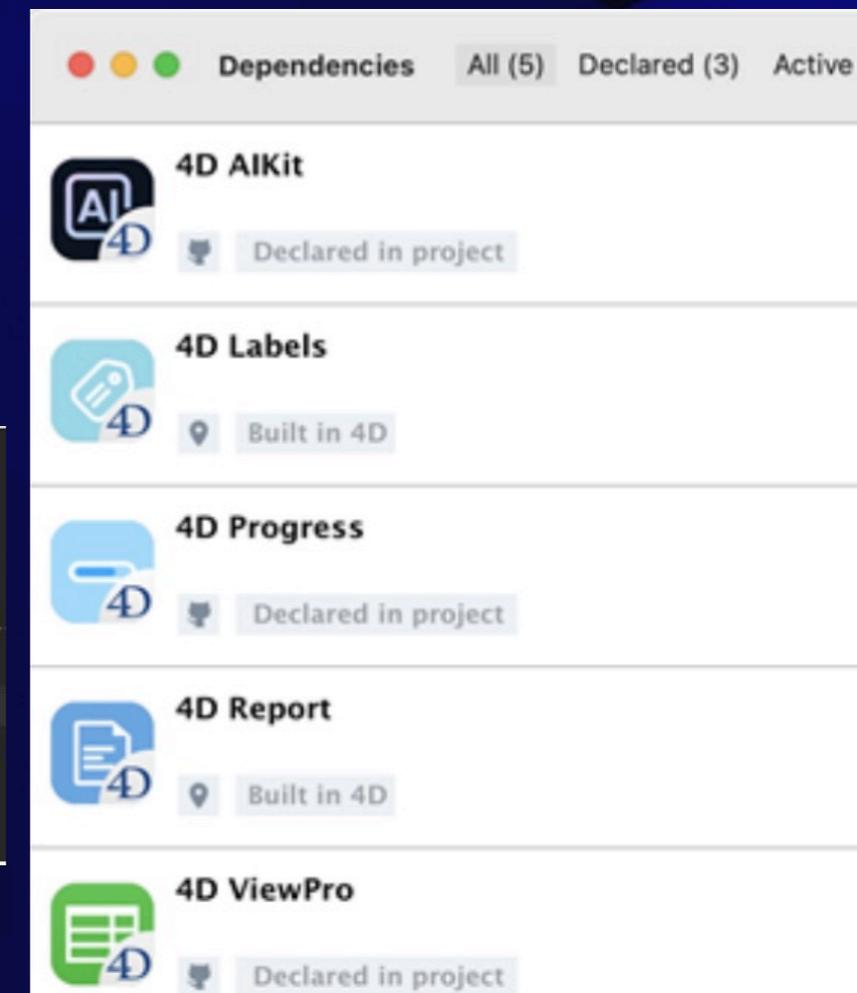
//10- Redefinition of variable{name1}.
var $var10 : Text
var $var10 : Text

//11- Type cannot be inferred, {name1} will
var $a := $c || 2

//14- Impossible to cast {type1} to {type2}
var $var2 : Text
$var2 := 10

```

```
{vector: $inputEmbedding; threshold: 0.4}
```



# Developments in AI

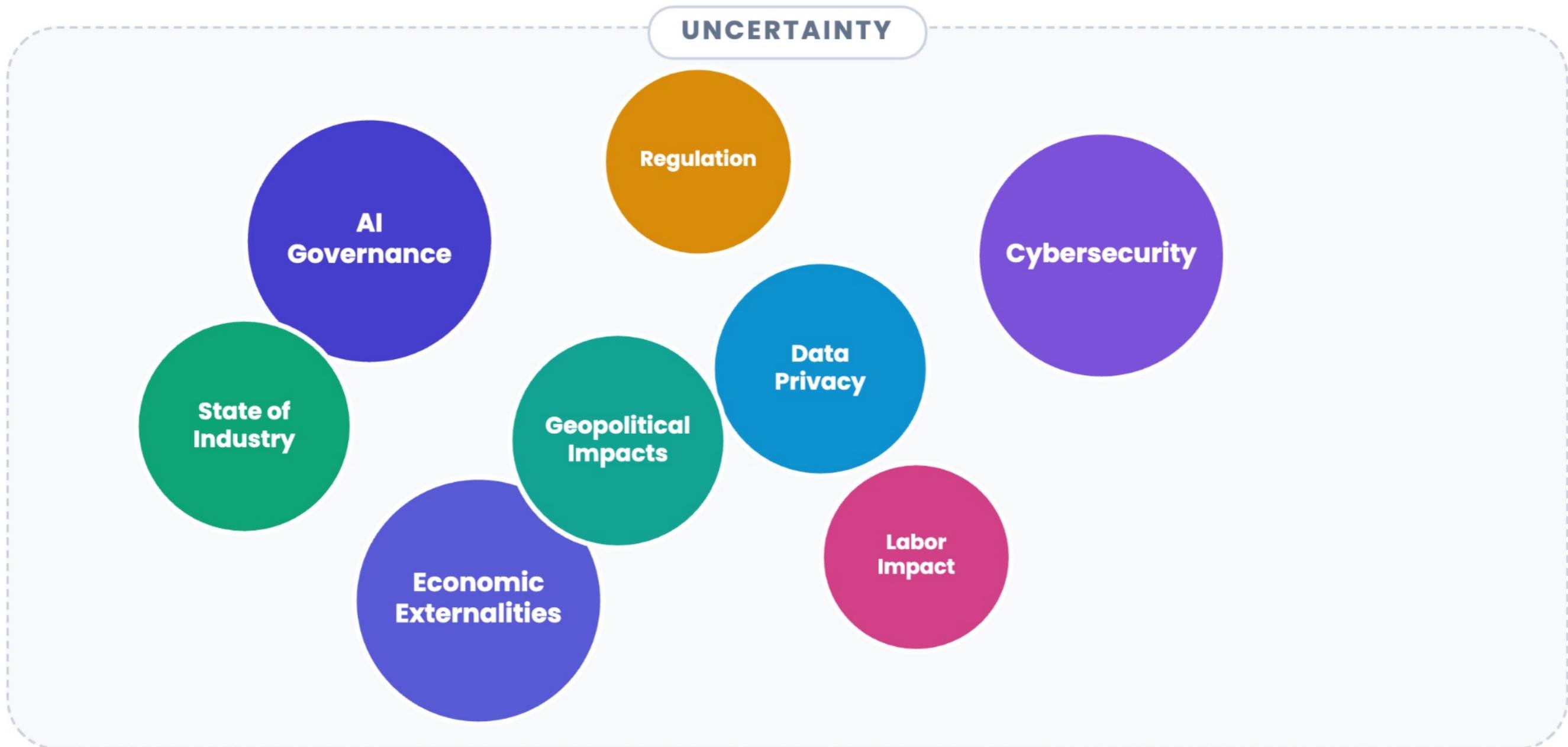
Shifting Landscapes and Human Decision-Making  
in the Age of Intelligence



Greg Loya

# Developments in AI

## Frontier Issues

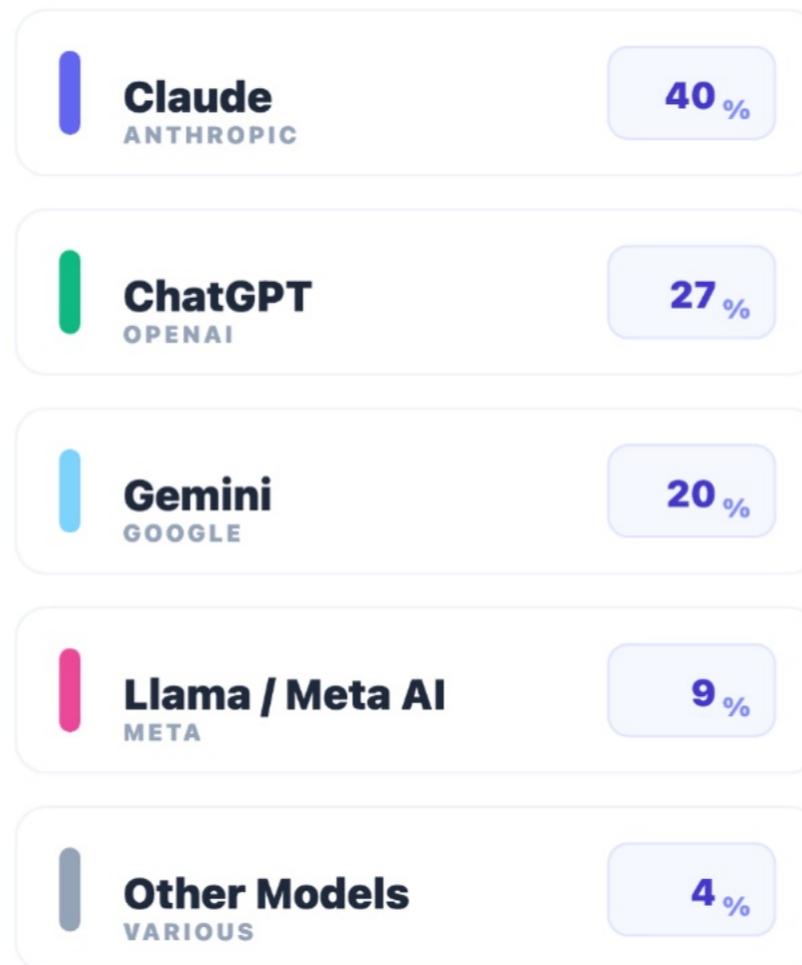


# Developments in AI

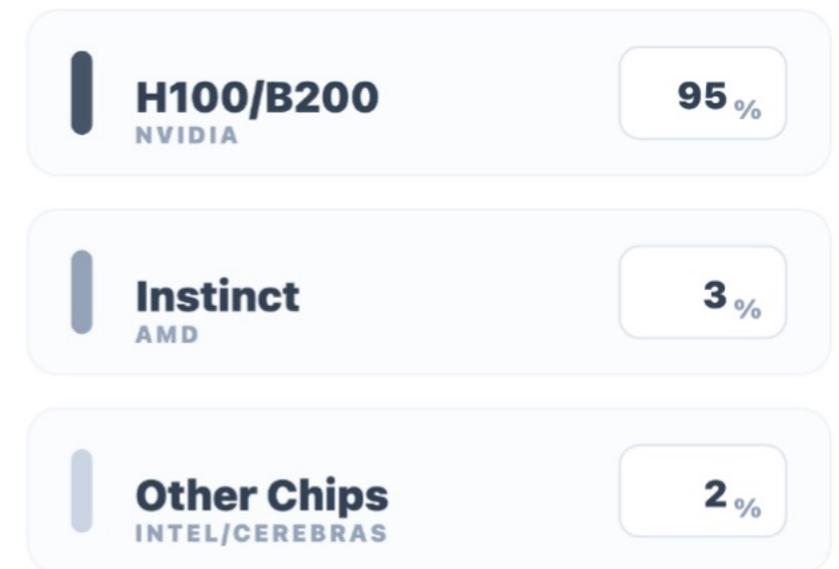
## Major Players in Generative AI - Enterprise



### FOUNDATION MODELS



### HARDWARE LEGEND



# Developments in AI

## Generative AI & Embedding Models

### Generative AI

OUTPUT: TEXT / IMAGE

Company	Product(s)
OpenAI	GPT-4o, GPT-4, o1
Anthropic	Claude (Sonnet, Opus, etc.)
Google	Gemini
Meta	Llama
Mistral	Mistral Large
Others	DeepSeek, xAI, Cohere

### Embedding Models

OUTPUT: VECTOR

Company	Product(s)
OpenAI	text-embedding-3-small, text-embedding-3-large
Voyage AI	voyage-4, voyage-4-large, voyage-code-3
Cohere	Embed v4
Google	text-embedding-004 (Vertex)
Mistral	Codestral Embed
Others	Jina, BAAI, Sentence-Transformers

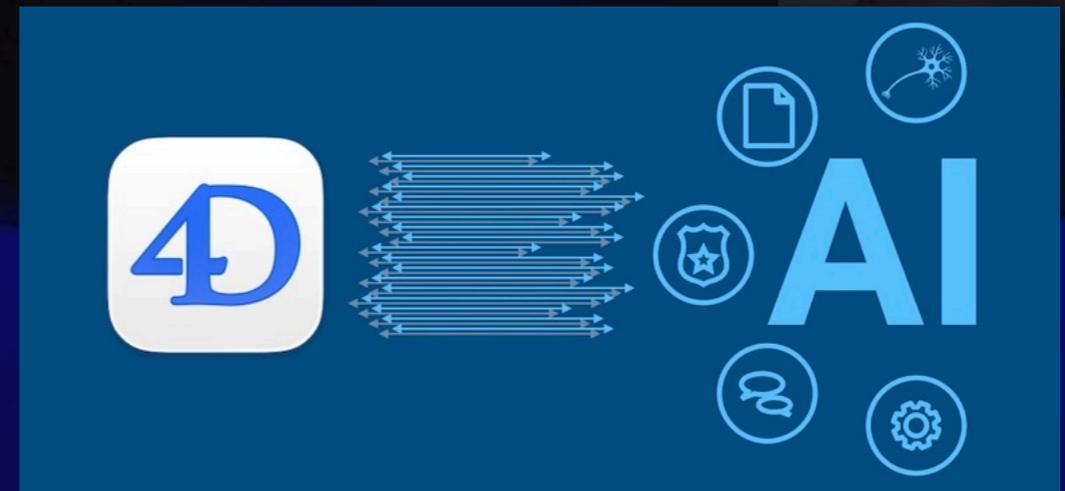
# Of Note in the Knowledge Base

## Add Komoncharoensiri



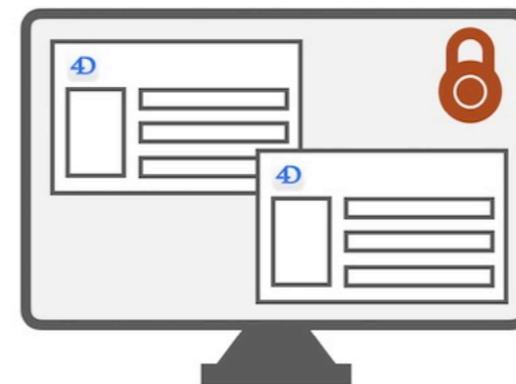
- Using 4D AIKit in Modern 4D Applications
  - Soukaina Bachikh

<https://kb.4d.com/assetid=79918>



- OpenSSL in 4D using System Workers
  - Al Mahdi Bakkali

<https://kb.4d.com/assetid=79941>



# OpenSSL

A Self-Generating Cryptographic Asset  
Technique with 4D.SystemWorker

**BWEB + AI**

**Rapid development of web applications with 4D**



**Jean-Michel Biraghi**

**President, BSPOKE**

<https://bspoke.fr/>

*BSpoke*



# Questions



# Wrap Up

Other questions?

Discussion

Feedback is appreciated



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