

# HIDDEN GEMS IN COLDFUSION 2025,

## A YEAR LATER



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Slide deck:  
[carehart.org/presentations](https://carehart.org/presentations)



- ▶ CF2025 was released Feb 2025
  - ▶ Like most releases, many new features, changes—and challenges
- ▶ There have also been several updates since then
  - ▶ The most substantial being update 8, in May 2026, the "AI" update and much more
- ▶ I did a "Hidden Gems in CF2025" talk back then, this is subset and yet expansion of it
  - ▶ And I have a talk tomorrow, "Migrating apps to CF2025 from earlier versions"
- ▶ In 50 mins, we can't cover all that was new in CF2025 or updates, including u8
  - ▶ Instead, we'll highlight key things you might miss—hidden gems
- ▶ Again, slides for talk available online:
  - ▶ [carehart.org/presentations](https://carehart.org/presentations)



# INTRO

- ▶ I focus on CF server troubleshooting, as an independent consultant
  - ▶ Do you/your team have any CF-related problems?
  - ▶ **I help solve most in less than an hour**, explaining we go
  - ▶ **Satisfaction guaranteed**
  - ▶ More on rates, approach, online calendar, etc at [carehart.org/consulting](https://carehart.org/consulting)
- ▶ But to be clear, I'm not selling anything in this session! 😊

ME.ABOUT()

- ▶ Docs from original release are substantial, and nearly all have demo code
  - ▶ Similarly, the recent update 8 added its own substantial docs
- ▶ Key resources, which each link to other pages with more detail
  - ▶ [guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/whats-new-cf-2025.html](https://guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/whats-new-cf-2025.html)
  - ▶ [guides.adobe.com/content/coldfusion-docs/en/docs/introduction-to-coldfusion/whats-new.html](https://guides.adobe.com/content/coldfusion-docs/en/docs/introduction-to-coldfusion/whats-new.html) (about update 8)
  - ▶ [guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/coldfusion-2025-updates.html](https://guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/coldfusion-2025-updates.html)
- ▶ Note also change in url from previous “helpx” to “guides”
  - ▶ Major change in underlying doc platform, mostly far better, including search, AI integration, etc.

## FINDING MORE ABOUT CF2025, UPDATES

# LANGUAGE/CODING GEMS

Focused first on original CF2025 release, more from Update 8 later

- ▶ Powerful new processing of CSV files (read, write, process)
  - ▶ And of spreadsheets (fine-grained formatting control, “streaming” spreadsheets, more)
  - ▶ And charts (chartsets, themes, groups, clustering, new chart types, svg charts, more)
- ▶ More (**beyond docs**):
  - ▶ Adobe CF github repo with demonstration code: [github.com/adobe/coldfusion](https://github.com/adobe/coldfusion)
  - ▶ *Spreadsheets & CSV Processing* (Adobe video)
    - ▶ [youtube.com/watch?v=7GUNmO0fBaA&list=PL3iywAijqFoUG3eRXeE2RHZ8OaekGpjtI](https://youtube.com/watch?v=7GUNmO0fBaA&list=PL3iywAijqFoUG3eRXeE2RHZ8OaekGpjtI)
  - ▶ *Unleash the power of Revamping CFCharts for modern applications*
    - ▶ [youtube.com/watch?v=W06xW8RZRLE&list=PL3iywAijqFoUG3eRXeE2RHZ8OaekGpjtI](https://youtube.com/watch?v=W06xW8RZRLE&list=PL3iywAijqFoUG3eRXeE2RHZ8OaekGpjtI)
- ▶ And also another “major” feature ...

MAJOR NEW CF2025 CODING FEATURES,  
AS PROMOTED BY ADOBE

- ▶ Support for MS “Entra”, “Exchange Online” via Graph API (not related to GraphQL)
  - ▶ **CFOauth** adds **type=“Microsoft”**, and new **grantType** attribute
  - ▶ New functions: **getOAuthAccessToken()**, **GetMSGraphServiceClient()**
  - ▶ **cfexchangeconnection** tag adds new **access\_token** attribute
  - ▶ Important also for coming Oct ‘26 MS change to remove EWS support (used by cfexchangeconnection)
- ▶ More (**beyond docs**):
  - ▶ [coldfusion.adobe.com/2025/03/cloud-user-lifecycle-management-in-coldfusion/](https://coldfusion.adobe.com/2025/03/cloud-user-lifecycle-management-in-coldfusion/)
  - ▶ [coldfusion.adobe.com/2025/03/transitioning-exchange-online-integration-to-microsoft-graph-api-in-coldfusion/](https://coldfusion.adobe.com/2025/03/transitioning-exchange-online-integration-to-microsoft-graph-api-in-coldfusion/)
  - ▶ Microsoft Graph Integration in ColdFusion: Unlocking data with OAuth (Adobe video)
    - ▶ [youtube.com/watch?v=jspE0gQtvgo&list=PL3iywAijqFoUG3eRXeE2RHZ8OaekGpjtI](https://youtube.com/watch?v=jspE0gQtvgo&list=PL3iywAijqFoUG3eRXeE2RHZ8OaekGpjtI)
- ▶ ...now, on to what may be hidden gems... “sometimes it’s the little things!”

# CHANGE REGARDING MICROSOFT AUTHENTICATION

- ▶ Trailing commas allowed where comma-separated list of values are provided...
  - ▶ Helps when more values “might” be added later in code, but maybe not

- ▶ Example (note last element):

```
array = [  
    "One",  
    "Two", //note the trailing comma here, ready to add more, or not  
];
```

- ▶ Supported in arrays, structs, function arguments / function calls, array/object “destructuring”

- ▶ More:

- ▶ [coldfusion.adobe.com/2025/03/trailing-commas-in-coldfusion/](https://coldfusion.adobe.com/2025/03/trailing-commas-in-coldfusion/)
- ▶ [coldfusion.adobe.com/2025/03/language-enhancements-in-coldfusion-2025-release-2/](https://coldfusion.adobe.com/2025/03/language-enhancements-in-coldfusion-2025-release-2/)

# SUPPORT OF “TRAILING COMMAS”

- ▶ Simplifies code (in cftry/cfcatch or try/catch):

```
try {  
    // Code that might throw exceptions  
}  
catch (IOException | SQLException e) {  
    writeOutput("An Exception occurred: " & e.message);  
}
```

- ▶ More:

- ▶ [coldfusion.adobe.com/2025/03/simplifying-error-handling-in-coldfusion-handle-multiple-exceptions-in-a-single-catch-clause/](https://coldfusion.adobe.com/2025/03/simplifying-error-handling-in-coldfusion-handle-multiple-exceptions-in-a-single-catch-clause/)
- ▶ [coldfusion.adobe.com/2025/03/language-enhancements-in-coldfusion-2025-release-2/](https://coldfusion.adobe.com/2025/03/language-enhancements-in-coldfusion-2025-release-2/)

# SUPPORT FOR MULTIPLE EXCEPTION TYPES IN A SINGLE CATCH

- ▶ Not to be confused with “safe navigation” (?.) nor “elvis” (?:) operators
  - ▶ Use ?. to return empty value, such as if a key in a struct doesn't exist: foo?.bar?.baz
  - ▶ Use ?: to set a default/fallback value instead: foo?.bar?.baz ?: "fallback value"
- ▶ ?? returns right-hand side operand when left-hand is null or undefined
  - ▶ Otherwise, returns left-hand side operand
- ▶ Other related changes:
  - ▶ Elvis and ternary operators are now failsafe
  - ▶ Elvis operator uses Truthy values
  - ▶ Byte-code generation is optimized, reducing classes per Elvis operator
- ▶ More:
  - ▶ [coldfusion.adobe.com/2025/03/language-enhancements-in-coldfusion-2025-release-2/](https://coldfusion.adobe.com/2025/03/language-enhancements-in-coldfusion-2025-release-2/)

## NEW “NULL COALESCING” OPERATOR (??)

- ▶ Content-Security-Policy (CSP): browser security mechanism
  - ▶ Allows restriction on how resources are loaded
  - ▶ Disables inline js and css by default
- ▶ To allow, must use “CSP header” and random “nonce” (number used once)
  - ▶ CF2025 adds such CSP/nonce support, which can be enabled either:
    - ▶ In CF Admin (Server Settings page checkbox)
    - ▶ in application (as **this.enableCspNonceForScript** in application.cfc or via cfapplication)
    - ▶ At request level, via **getCSPNonce()**
- ▶ More:
  - ▶ [content-security-policy.com](https://content-security-policy.com)
  - ▶ [guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/\\_\\_references\\_\\_/whats-new.html](https://guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/__references__/whats-new.html)

# SUPPORT FOR CSP / XSS PROTECTION

- ▶ New `cfoject/createobject` parameter, **loadPaths**
  - ▶ Allows naming of location for Java libraries (JAR files) or class files at runtime
  - ▶ CF10 had added *application-level* support (e.g., **`this.javasettings.loadpaths`**)
- ▶ `createobject("java", yourclassname, path_to_class_or_jar)`
- ▶ Yes, Lucee has had this code-level ability for years. Now CF does also
  - ▶ Cat and mouse game: CF2025 supported Java 21 and Tomcat 10 before Lucee :-)
- ▶ More (again, beyond docs):
  - ▶ [coldfusion.adobe.com/2025/03/language-enhancements-in-coldfusion-2025-release-2/](https://coldfusion.adobe.com/2025/03/language-enhancements-in-coldfusion-2025-release-2/)

## NAMING JAR PATH ON CFOBJECT/CREATEOBJECT

- ▶ Case-sensitive deserialization :
  - ▶ **deserializeJSON()** offers new **preserveCaseForStructKey**
- ▶ New argument for `deserializeJson`, to deserialize to a query
- ▶ Enhancements to “destructuring” capability (added first in CF2021)
- ▶ Enhancements to **cfdump/writedump** of java objects
- ▶ Default value of `cfproperty` can be valid CFML expression
- ▶ Compound assignment operands: do math and assign result (`+=`, `-=`, `*=`, `/=`, and `%=`)
  - ▶ `x = 2; x += 3; // result is x=5`
- ▶ **Duplicate()** now offers “**deepcopy**” arg: if false, does not do traditional deep/copy-by-value
- ▶ New **cacheMaxIdleTime** for **cfquery/queryexecute/cfstoredproc** caching
- ▶ ...

# MANY OTHER LANGUAGE CHANGES

- ▶ **Query of queries** changes: Bitwise operator support, modulus operator
- ▶ **Scriptprotect** property of application.cfc/cfm now allows config of tags to block
- ▶ **directorylist()**: filter callback feature enhanced to return data for row being filtered
- ▶ **getTimeZoneInfo()**: optional **timezone** and/or **locale** args return info for there
  - ▶ Otherwise uses local system/jvm-specified timezone
- ▶ **final static** methods now supported
- ▶ ...

MANY OTHER LANGUAGE CHANGES

- ▶ **hash()** offers new **outputEncoding** arg
- ▶ **listSort()** offers new **includeEmptyFields** arg for callbacks
- ▶ **javacast()** supports multi-dimensional arrays
- ▶ **arrayInsertAt()** can now insert into an empty array
- ▶ **cfileupload** now offers a **continueOnError** attribute
- ▶ Other new functions: **structValueArray()**
  - ▶ **getPropertyFile()** , **getPropertyString()** / **setPropertyString()**
- ▶ More:
  - ▶ [guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/whats-new-cf-2025.html#heading-id-generated-1](https://guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/whats-new-cf-2025.html#heading-id-generated-1)
  - ▶ [coldfusion.adobe.com/2025/02/language-enhancements-in-coldfusion-2025-release-part-1/](https://coldfusion.adobe.com/2025/02/language-enhancements-in-coldfusion-2025-release-part-1/)
  - ▶ [coldfusion.adobe.com/2025/03/language-enhancements-in-coldfusion-2025-release-2/](https://coldfusion.adobe.com/2025/03/language-enhancements-in-coldfusion-2025-release-2/)
  - ▶ *Smart language additions in ColdFusion* (Adobe prerelease video)
    - ▶ [youtube.com/watch?v=D-Vzj4nS4Fc&list=PL3iywAijqFoUG3eRXeE2RHZ8OaekGpjtI](https://youtube.com/watch?v=D-Vzj4nS4Fc&list=PL3iywAijqFoUG3eRXeE2RHZ8OaekGpjtI)

# MANY MORE LANGUAGE CHANGES (CONT.)

- ▶ Several performance improvements, at engine level (thus benefiting code)
  - ▶ Faster spreadsheet processing/streaming
  - ▶ Compile time
  - ▶ Query of queries
  - ▶ Charting
  - ▶ CF and container startup
  - ▶ Structures
- ▶ More:
  - ▶ Performance Enhancements (Adobe video)
    - ▶ [youtube.com/watch?v=qJ8\\_ZZmF-5M&list=PL3iywAijqFoUG3eRXeE2RHZ8OaekGpjtI](https://www.youtube.com/watch?v=qJ8_ZZmF-5M&list=PL3iywAijqFoUG3eRXeE2RHZ8OaekGpjtI)

# PERFORMANCE ENHANCEMENTS

# GEMS RELATED TO INSTALL, CONFIG

- ▶ Full installer offers option to limit Admin IP addresses, **regardless** of profile selected
- ▶ Full installer ends pointing out need to run wsconfig, if desired (was removed in past)
- ▶ New admin page: Settings>SSL Certificate, to enable admin to use https
- ▶ Java&JVM page now shows path to jvm.config file
- ▶ CFSetup CLI tool (for managing admin config settings) has some new options
- ▶ CCS can support https; can now add nodes manually using command line
- ▶ Various Admin features removed, related to CF feature removals (discussed later)
  - ▶ “Allowed IP Addresses for Exposed Services”
  - ▶ “System Probes”
  - ▶ License scanner page
  - ▶ Mobile feature settings

## INSTALL/CONFIG “GEMS”

- ▶ As some may know, there have been various CF “jvm args” (technically “system properties”) that could be used at CF startup to control various things
  - ▶ And some are new with a given CF update, or may be add/removed in given version
- ▶ There is now a docs page listing these
  - ▶ [guides.adobe.com/coldfusion/en/docs/install-and-configure-coldfusion/jvm-arguments-coldfusion-2025.html](https://guides.adobe.com/coldfusion/en/docs/install-and-configure-coldfusion/jvm-arguments-coldfusion-2025.html)
- ▶ That’s a true hidden gem: sometimes it offers more than its update release note
- ▶ Also one for CF2023/2021:
  - ▶ [guides.adobe.com/coldfusion/en/docs/install-and-configure-coldfusion/new-jvm-arguments-2023-2021-coldfusion-updates.html](https://guides.adobe.com/coldfusion/en/docs/install-and-configure-coldfusion/new-jvm-arguments-2023-2021-coldfusion-updates.html)

NEW DOC TRACKS AVAILABLE JVM ARGS

- ▶ Startup time improvements: as much as 60-70% reduction compared to CF2023/2021
  - ▶ No longer does CF restart when env vars declare CF config changes
- ▶ Added support for container secrets and configs
  - ▶ Useful even if not using Docker Swarm
- ▶ New support for CCS within container (central config server feature, new in cf2023)
- ▶ Significantly improved docker image docs (search for: coldfusion docker images)
  - ▶ Many new sections: secrets/configs , config precedence, new env vars for 2025, ccs use
- ▶ Several important bug fixes
- ▶ More
  - ▶ What's new in containers (Adobe video)
    - ▶ [youtube.com/watch?v=AG4MFnrwXTE&list=PL3iywAijqFoUG3eRXeE2RHZ8OaekGpjtI](https://youtube.com/watch?v=AG4MFnrwXTE&list=PL3iywAijqFoUG3eRXeE2RHZ8OaekGpjtI)

# IMPROVEMENTS IN CF CONTAINERS

# OTHER CONSIDERATIONS/GEMS



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- ▶ Many “old” language elements and features removed finally in CF2025
  - ▶ Most things have been marked for removal (“deprecated”) for many releases
  - ▶ Some are removed for sake of security, or due to changes forced by libraries
- ▶ Some may affect few people/little code, while others may affect many/much
  - ▶ Just depends on whether you (or past coders) use/used these things
- ▶ Not so much “gems” as potential “traps”
- ▶ See
  - ▶ [guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/deprecated-features.html](https://guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/deprecated-features.html)
  - ▶ My talk tomorrow on “Migrating Apps to CF2025 from earlier versions”

## SUBSTANTIAL REMOVALS FROM CF2025

- ▶ Again, there have been 9 updates since CF2025 was released
  - ▶ Only update 8 added new/change features
- ▶ All but update 8 included security improvements
  - ▶ And a few of those entailed breaking changes
  - ▶ And most of those have a JVM arg to revert the behavior if needed
- ▶ See the technotes for each of the updates
  - ▶ [guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/coldfusion-2025-updates.html](https://guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/coldfusion-2025-updates.html)
  - ▶ Or the page about new JVM args a few slides ago
  - ▶ Again, I will cover these more in my “Migrating apps to CF2025 talk”, tomorrow

# UPDATES MAY HAVE BREAK CHANGES

- ▶ New features and removal of old features are important
  - ▶ But so also are bug fixes, if they may fix a problem you've suffered
- ▶ There were 192 bugs fixes included with CF2025
  - ▶ And in update 2 (6), update 3 (8), update 5 (9), update 8 (39)
- ▶ Some may have less-wide impact than others, of course
- ▶ See these and update technotes:
  - ▶ [guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/coldfusion-2025-release-notes.html#heading-id-generated-1](https://guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/coldfusion-2025-release-notes.html#heading-id-generated-1)
  - ▶ [guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/adobe-coldfusion-2025-0-08-release-notes.html#bug-fixes](https://guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/adobe-coldfusion-2025-0-08-release-notes.html#bug-fixes)

# CF2025 FIXES HUNDREDS OF BUGS

- ▶ CF2025 comes with Java 21.0.6 (latest as of Mar 2025)
  - ▶ Note that CF2023 ran on Java 17, while CF2021 and 2018 ran on Java 11
- ▶ Most changes to Java benefit Java developers
  - ▶ The Adobe CF team may leverage those under the covers for us, or as new features
  - ▶ One real possibility is use of Java 21's lightweight virtual threads, but not here yet
- ▶ Note that Java Security Manager has NOT yet been removed (only deprecated)
  - ▶ Is used by CF's Sandbox Security feature...which IS now deprecated in CF2025

# JAVA UPDATED TO 21

- ▶ CF2025 (as server or zip deployment) comes deployed on now Tomcat 10.1
  - ▶ CF2023 ran on Tomcat 9
- ▶ Change to Tomcat 10 mostly inconsequential to CF developers, but not entirely:
  - ▶ [coldfusion.adobe.com/2024/12/tomcat-upgrade-with-adobe-coldfusion-2025-release-what-has-changed/](https://coldfusion.adobe.com/2024/12/tomcat-upgrade-with-adobe-coldfusion-2025-release-what-has-changed/)
- ▶ CF2025 came originally with 10.1.34
  - ▶ updated to 10.1.55 as of CF2025 update 9

# TOMCAT UPDATED TO 10.1

- ▶ For info on OS, DB, web server version support changes, see Support Matrix
  - ▶ Original 2025 one: [helpx.adobe.com/pdf/coldfusion2025-support-matrix.pdf](https://helpx.adobe.com/pdf/coldfusion2025-support-matrix.pdf)
  - ▶ Updated PDF for CF2025 update 8 refreshed installer:
    - ▶ [helpx.adobe.com/pdf/cf2025-8-support-matrix.pdf](https://helpx.adobe.com/pdf/cf2025-8-support-matrix.pdf)
  - ▶ Sybase and Solaris dropped in CF2025
  - ▶ Windows 2025 and macOS Tahoe support added in new installer with update 8
- ▶ As for upgrades made to things such as Antisamy, Bouncycastle, Ckeditor, Esapi and more
  - ▶ See CF2025 version number changes in my original “Hidden Gems in CF2025” talk

## UPDATES TO UNDERLYING TECH

- ▶ Elephant in the room: some may feel I “buried the lede”...on CF licensing...
- ▶ Now subscription-only (no more perpetual license, from CF2025 forward)
  - ▶ Pricing is published online
    - ▶ \$760 USD / year for Standard (per 2 cores) – at 63/mo that’s cheaper than Google TV!
    - ▶ \$2930 USD / year for Enterprise (per 8 cores)
    - ▶ Basically about same price paid to buy CF every two years @ 50% upgrade discount
- ▶ Many people do **already** license CF on subscription basis, even before CF2025...
  - ▶ Those on AWS or Azure AMLs, those on ETLAs, those using CF hosting, etc.
- ▶ And doesn’t affect those continuing to run on CF2023 or earlier
- ▶ Developer edition is also still free, of course!

## MAJOR LICENSING CHANGE

- ▶ What if you want to buy CF2023 instead?
  - ▶ As before, can buy CF2025 and “backward license” to CF2023
- ▶ Are there still education discounts? Yes
- ▶ More on pricing, licensing, licensing models (NUL, FRL), more.:
  - ▶ [carehart.org/blog/2025/2/25/coldfusion\\_2025\\_released#subscriptionchange](https://carehart.org/blog/2025/2/25/coldfusion_2025_released#subscriptionchange)
  - ▶ [guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/fa-0.html](https://guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/fa-0.html)
    - ▶ (one for Enterprise also, see left nav bar)
  - ▶ [guides.adobe.com/coldfusion/en/docs/install-and-configure-coldfusion/coldfusion-licensing-activation.html](https://guides.adobe.com/coldfusion/en/docs/install-and-configure-coldfusion/coldfusion-licensing-activation.html)
- ▶ What about ...?
  - ▶ Reach out to Adobe at [cfinstal@adobe.com](mailto:cfinstal@adobe.com) for other questions
- ▶ I have no changes regarding *differences* between Standard and Enterprise

## PRICING, LICENSING, ETC. (CONT)

- ▶ When does public support (providing updates) end, for each recent version?
  - ▶ For CF2023, in May 2028
  - ▶ For CF2021, ended in Nov 2025
  - ▶ For CF2018, ended in 2023
  - ▶ For CF2016, ended in 2021
  - ▶ For CF11, ended in 2019
- ▶ More:
  - ▶ [helpx.adobe.com/support/programs/eol-matrix.html#cd](https://helpx.adobe.com/support/programs/eol-matrix.html#cd)
  - ▶ [carehart.org/blog/2025/11/7/cf2021\\_endoflife\\_nov\\_10](https://carehart.org/blog/2025/11/7/cf2021_endoflife_nov_10)
  - ▶ [carehart.org/blog/2023/1/26/coldfusion2018\\_end\\_of\\_life\\_july\\_2023](https://carehart.org/blog/2023/1/26/coldfusion2018_end_of_life_july_2023)

## END OF LIFE/SUPPORT OF VERSIONS

- ▶ ICYMI: did you know CFBuilder is now a VSCode extension? That's free?
  - ▶ Released in July 2022, in extensions marketplace as **Adobe ColdFusion Builder**
  - ▶ Prior Eclipse-based version of Adobe CFBuilder is EOL since 2023
- ▶ Updatable within VS Code Extensions pane (can be auto-updated)
  - ▶ Its update 4 (Feb 2026), v1.0.70, added CF2025 language support
    - ▶ [guides.adobe.com/coldfusion/en/docs/coldfusion-tools/release-notes-coldfusion-builder-extension-vs-c-0.html](https://guides.adobe.com/coldfusion/en/docs/coldfusion-tools/release-notes-coldfusion-builder-extension-vs-c-0.html)
  - ▶ Its update 5 (May 2026), v1.0.823, added update 8 support and much more
    - ▶ [guides.adobe.com/coldfusion/en/docs/coldfusion-tools/coldfusion-builder-extension-for-visual-studio-cod.html](https://guides.adobe.com/coldfusion/en/docs/coldfusion-tools/coldfusion-builder-extension-for-visual-studio-cod.html)
- ▶ More:
  - ▶ *VS Code plugin changes* (Adobe video about update May 2026 CFB changes)
    - ▶ [youtube.com/watch?v=34MV0puVCzY&list=PL3iywAijqFoUG3eRXeE2RHZ8OaekGpjtl](https://youtube.com/watch?v=34MV0puVCzY&list=PL3iywAijqFoUG3eRXeE2RHZ8OaekGpjtl)
- ▶ ...
  - ▶ [coldfusion.adobe.com/2026/06/now-live-adobe-coldfusion-builder-is-now-available-on-cursor](https://coldfusion.adobe.com/2026/06/now-live-adobe-coldfusion-builder-is-now-available-on-cursor)

# CFBUILDER/VSCODE IMPROVEMENTS

- ▶ Significantly improved syntax handling with html, js, css, etc
- ▶ Indicators for deprecated and removed functions and tags
- ▶ Removes workspace requirement
- ▶ Revamped Security Analyzer
- ▶ Code assist for member functions on primitive types
- ▶ Significantly enhanced docker support
- ▶ Extension now supports Linux
- ▶ And still other improvements, bug fixes

## CFBUILDER/VSCODE IMPROVEMENTS (CONT.)

- ▶ Adobe just announced they now support Cursor (in addition to VSCode)
  - ▶ [coldfusion.adobe.com/2026/06/now-live-adobe-coldfusion-builder-is-now-available-on-cursor](https://coldfusion.adobe.com/2026/06/now-live-adobe-coldfusion-builder-is-now-available-on-cursor)
- ▶ Bigger news, not mentioned:
  - ▶ Cursor relies on openvsx registry for extensions, and CFB is now there
    - ▶ [open-vsx.org/extension/com-adobe-coldfusion/adobe-cfml-lsp](https://open-vsx.org/extension/com-adobe-coldfusion/adobe-cfml-lsp)
  - ▶ That means it can be called also from other Vscode derivatives:
    - ▶ Vscodium, windsurf, antigravity, etc.

## CFBUILDER/VSCODE IMPROVEMENTS (CONT.)

# CF2028 UPDATE 8 GEMS



Charlie Arehart, CArehart.org  
@carehart

- ▶ To be clear, this talk had been proposed and accepted before that
  - ▶ And before I even know what it would entail
- ▶ I could have perhaps done a whole talk on “hidden gems in update 8”
  - ▶ But this talk was already accepted, and I’d not offered it last year
- ▶ Still, let’s talk briefly about update 8, as it’s often mischaracterized...

UPDATE 8 RELEASED IN MAY 2026

- ▶ That topic is being covered much by Adobe here at CF Summit
- ▶ But update 8 has many more new/changed features
  - ▶ Support for adding passkeys to your apps; also password hashing with argon 2
  - ▶ Support for “sets” (several new built-in and member functions)
  - ▶ And over two dozen other small but important language improvements
- ▶ Improvements also to CF Code Security Analyzer, and to CF Builder
- ▶ More:
  - ▶ See the what’s new in update 8 docs
    - ▶ [guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/whats-new.html](https://guides.adobe.com/coldfusion/en/docs/introduction-to-coldfusion/whats-new.html)
    - ▶ Which has links to more on each of these new/changed features
  - ▶ Ben Nadel and Dave Byers have done some recent blog posts on u8 features
    - ▶ [bennadel.com](https://bennadel.com) and [coldfusion.adobe.com](https://coldfusion.adobe.com)
  - ▶ ...

UPDATE 8 IS ABOUT MORE THAN JUST AI !

- ▶ *What's New in ColdFusion (update 8)?*
- ▶ *AI Models in ColdFusion*
- ▶ *Model Context Protocol (MCP) in ColdFusion*
- ▶ *Vector stores and Retrieval-Augmented Generation (RAG) in ColdFusion*
- ▶ *Developer Tools: VS Code extension and Performance Monitoring Toolset*
- ▶ *Security Enhancements & Analyzer in ColdFusion*
- ▶ *Language and Feature Enhancements*
- ▶ *Playlist:*
  - ▶ *[youtube.com/playlist?list=PL3iywAijqFoXFfMGtR9CV5Dot4CtHxwdO](https://youtube.com/playlist?list=PL3iywAijqFoXFfMGtR9CV5Dot4CtHxwdO)*

RESOURCES: ADOBE VIDEOS ON UPDATE 8

# RESOURCES FOR STILL MORE (WRAPPING UP)

- ▶ [Cffiddle.org](http://Cffiddle.org) (new and improved)
- ▶ [Trycf.com](http://Trycf.com) (new and improved)
- ▶ [github.com/JamoCA/cfmlFiddle](https://github.com/JamoCA/cfmlFiddle) (new)
- ▶ [adobecoldfusion.com](http://adobecoldfusion.com) (new)

# FIDDLES TO PLAY WITH CF2025 CODE

- ▶ [coldfusion.adobe.com/2024/12/important-notice-upcoming-deprecations-and-removals-in-coldfusion-2025-release/](https://coldfusion.adobe.com/2024/12/important-notice-upcoming-deprecations-and-removals-in-coldfusion-2025-release/)
- ▶ [coldfusion.adobe.com/2024/12/tomcat-upgrade-with-adobe-coldfusion-2025-release-what-has-changed/](https://coldfusion.adobe.com/2024/12/tomcat-upgrade-with-adobe-coldfusion-2025-release-what-has-changed/)
- ▶ [coldfusion.adobe.com/2025/02/language-enhancements-in-coldfusion-2025-release-part-1/](https://coldfusion.adobe.com/2025/02/language-enhancements-in-coldfusion-2025-release-part-1/)
- ▶ [coldfusion.adobe.com/2025/03/language-enhancements-in-coldfusion-2025-release-2/](https://coldfusion.adobe.com/2025/03/language-enhancements-in-coldfusion-2025-release-2/)
- ▶ [coldfusion.adobe.com/2025/02/revolutionizing-spreadsheet-csv-handling-in-coldfusion-2025-real-world-use-cases/](https://coldfusion.adobe.com/2025/02/revolutionizing-spreadsheet-csv-handling-in-coldfusion-2025-real-world-use-cases/)
- ▶ [coldfusion.adobe.com/2025/02/data-visualization-made-easy-with-cfchart/](https://coldfusion.adobe.com/2025/02/data-visualization-made-easy-with-cfchart/)
- ▶ [coldfusion.adobe.com/2025/02/oauth2-0-in-coldfusion/](https://coldfusion.adobe.com/2025/02/oauth2-0-in-coldfusion/)
- ▶ [coldfusion.adobe.com/2025/03/simplifying-error-handling-in-coldfusion-handle-multiple-exceptions-in-a-single-catch-clause/](https://coldfusion.adobe.com/2025/03/simplifying-error-handling-in-coldfusion-handle-multiple-exceptions-in-a-single-catch-clause/)
- ▶ [coldfusion.adobe.com/2025/03/thread-interrupts-in-coldfusion/](https://coldfusion.adobe.com/2025/03/thread-interrupts-in-coldfusion/)
- ▶ [coldfusion.adobe.com/2025/03/trailing-commas-in-coldfusion/](https://coldfusion.adobe.com/2025/03/trailing-commas-in-coldfusion/)
- ▶ [coldfusion.adobe.com/2025/03/cloud-user-lifecycle-management-in-coldfusion/](https://coldfusion.adobe.com/2025/03/cloud-user-lifecycle-management-in-coldfusion/)
- ▶ [coldfusion.adobe.com/2025/03/transitioning-exchange-online-integration-to-microsoft-graph-api-in-coldfusion/](https://coldfusion.adobe.com/2025/03/transitioning-exchange-online-integration-to-microsoft-graph-api-in-coldfusion/)
- ▶ [coldfusion.adobe.com/2025/03/different-ways-of-enabling-ssl-for-coldfusion-administrator-running-on-internal-coldfusion-port-for-coldfusion-2025/](https://coldfusion.adobe.com/2025/03/different-ways-of-enabling-ssl-for-coldfusion-administrator-running-on-internal-coldfusion-port-for-coldfusion-2025/)
- ▶ [coldfusion.adobe.com/2024/05/thread-management-with-jdk21-whats-changing-and-features-to-look-forward-to/](https://coldfusion.adobe.com/2024/05/thread-management-with-jdk21-whats-changing-and-features-to-look-forward-to/)

## RESOURCES: ADOBE ARTICLES ON 2025

- ▶ *Adobe ColdFusion (2025 release) - What's new and Exciting!*
- ▶ *Security and Stability in ColdFusion*
- ▶ *Smart language additions in ColdFusion*
- ▶ *VS Code plugin changes*
- ▶ *Performance enhancements*
- ▶ *Unleash the power of Revamping CFCharts for modern applications*
- ▶ *Spreadsheets & CSV Processing*
- ▶ *Microsoft Graph Integration in ColdFusion: Unlocking data with Oauth*
- ▶ *What's new in containers*
- ▶ *Recap and Q&A*
- ▶ *Playlist:*
  - ▶ *[youtube.com/playlist?list=PL3iywAijqFoUG3eRXeE2RHZ8OaekGpjtI](https://youtube.com/playlist?list=PL3iywAijqFoUG3eRXeE2RHZ8OaekGpjtI)*
- ▶ *Watch for more in future at AdobeColdFusion youtube page:*
  - ▶ *[youtube.com/adobecoldfusion](https://youtube.com/adobecoldfusion)*

## RESOURCES: ADOBE VIDEOS ON 2025

- ▶ So, lots of “gems” (I count several dozen, across language and features)
  - ▶ And still more, from bug fixes to improvements to underlying tech
- ▶ Hope you may be more motivated—and informed—to consider CF2025
- ▶ Again, my contact info for follow-up:
  - ▶ Charlie Arehart
  - ▶ [charlie@carehart.org](mailto:charlie@carehart.org)
  - ▶ @carehart (Slack, Github, X, Fb, LI, etc.)
  - ▶ Slides: [carehart.org/presentations](https://carehart.org/presentations)
- ▶ With that, hope you enjoyed the talk!
  - ▶ Use QR code for slide deck
- ▶ ...time for questions? Adobe giveaway

## SUMMARY

