

# NOTICE TO ATTENDEES AT MY CFSUMMIT SESSION

I realized after the session that the deck I showed was missing some info I'd meant to share. See new/changed slides 11, 13, 20, 22, 25, 27, 30-34, 36, 38-43.

Also, note very important clarification about CF Standard vs Enterprise on slide 36. Some misinterpreted my point about how only 1 thing NEW in enterprise was Enterprise-only. There DO still remain many OTHER differences. See offered link.

# HIDDEN GEMS IN CF2018



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Updated Oct 2, 2018

- ▶ Major features of CF2018 (quick overview)
- ▶ Hidden gems in many areas
  - ▶ Installation, administration, web server config, monitoring
  - ▶ New/changed features, new language constructs, etc.
- ▶ As well as other topics:
  - ▶ Updates to underlying libraries' version numbers
  - ▶ Deprecated/obsoleted features
  - ▶ What's new in Standard vs Enterprise
  - ▶ Pricing, licensing, end of life support
  - ▶ And more
- ▶ Slides [carehart.org/presentations](https://carehart.org/presentations)

- ▶ Focus on CF server troubleshooting, as an independent consultant
  - ▶ Assist organizations of all sizes, experience levels
  - ▶ Work remotely 99% of the time, safe, secure, easy (via shared desktop)
  - ▶ Satisfaction guaranteed. More on rates, approach, etc at [carehart.org/consulting](http://carehart.org/consulting)
- ▶ Love to share info, with my clients and the community
  - ▶ Active blogger
  - ▶ Speaker at nearly every CF conference
  - ▶ Contributor to/creator of many CF community resources
    - ▶ As well as CF411.com, CF911.com, and more

- ▶ How many have started using CF2018 in prod? In dev?
  - ▶ How many have at least seen resources about it?
  - ▶ Not surprised if not even many: people often wait
- ▶ Anyone “waiting for first point release”?
  - ▶ Update 1 came out last month
- ▶ How many likely won't use it until next release (CF 2020)?
- ▶ I do these talks, not just for those making the move now or soon
  - ▶ But also those who may see it in future 😊
- ▶ Anyone know when I started doing hidden gems in CF?
  - ▶ 4.0.1 in 1999

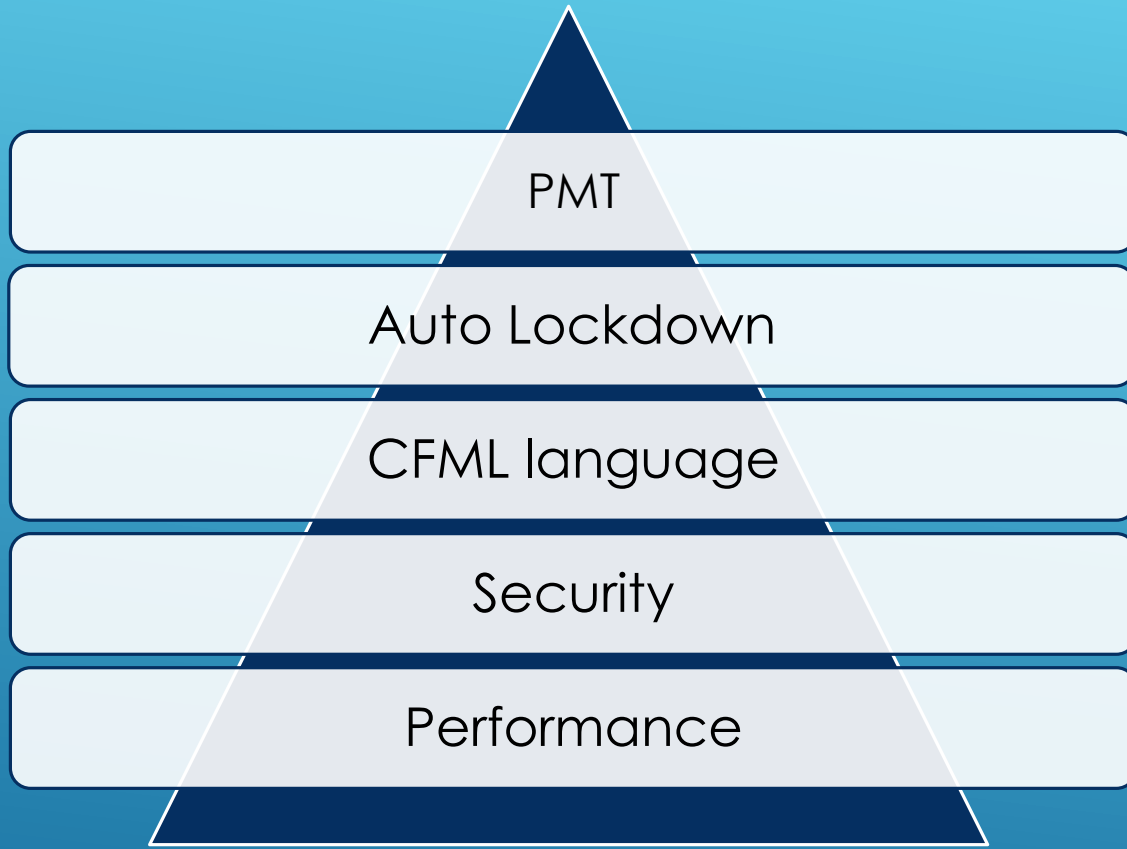
SOME INTRO QUESTIONS FOR YOU

- ▶ If you may be jumping to 2018 from 11 or earlier...
  - ▶ Don't miss changes and hidden gems I'd identified in those versions
  - ▶ See my hidden gems talks on each: [carehart.org/presentations](http://carehart.org/presentations)
  - ▶ I discuss also compatibility issues moving to each, as I will about 2018

JUMPING FROM CF11 OR EARLIER?

- ▶ While normally I'd be pointing to CF docs for more...
  - ▶ At CF2018 launch Adobe offered several blog posts
    - ▶ [coldfusion.adobe.com/category/coldfusion-2018/](https://coldfusion.adobe.com/category/coldfusion-2018/)
    - ▶ [coldfusion.adobe.com/tagpage/?tag=coldfusion%202018](https://coldfusion.adobe.com/tagpage/?tag=coldfusion%202018)
  - ▶ Sadly, doesn't list ALL of them. See my blog listing them soon after launch:
    - ▶ [carehart.org/blog/client/index.cfm/2018/7/19/whats\\_new\\_in\\_CF2018](https://carehart.org/blog/client/index.cfm/2018/7/19/whats_new_in_CF2018)
- ▶ Also, here at CFSummit there are several Adobe sessions on CF2018
  - ▶ Of course they go into MUCH more depth on many of the topics I'll only mention
  - ▶ Hopefully some of them will be offered online, if you miss them/for those not here

MORE ABOUT CF2018 THAN JUST IN DOCS



# MAJOR FEATURES OF CF2018



- ▶ New UI for CF Admin
- ▶ Command-line REPL
- ▶ REST Playground
- ▶ New caching engines
- ▶ Changes in CF Builder
- ▶ But then many other hidden gems
  - ▶ and some also within the “noted” and “less noted” features
  - ▶ Let's proceed...

## SOME LESS NOTED (BUT NOT HIDDEN) FEATURES

- ▶ We'll start with things like installation, administration, configuration
  - ▶ Then development features and more
- ▶ First up, not so much a feature but a warning for some:
  - ▶ As of CF2018 there is no longer a 32-bit installer
- ▶ More:
  - ▶ [coldfusion.adobe.com/2018/10/does-adobe-coldfusion-2018-release-have-32-bit-support/](https://coldfusion.adobe.com/2018/10/does-adobe-coldfusion-2018-release-have-32-bit-support/)

- ▶ Have you seen the CF 2018 Admin? Let's take a look
  - ▶ Real hidden gem: don't miss the offered "search" feature at the top right
  - ▶ DEMO
- ▶ Another Admin hidden gem:
  - ▶ Scheduled tasks page finally adds "pause all" and "resume all" buttons
  - ▶ CFSCHEDULE has been able to do that also, since CF10
    - ▶ In CF2018, that no longer requires use of GROUP or MODE attributes
    - ▶ But will only stop "Server" mode tasks and "application" mode tasks in same app where cfschedule tag is running
  - ▶ More:
    - ▶ [helpx.adobe.com/coldfusion/cfml-reference/coldfusion-tags/tags-r-s/cfschedule.html](https://helpx.adobe.com/coldfusion/cfml-reference/coldfusion-tags/tags-r-s/cfschedule.html)

- ▶ Some may know CF has long had a lockdown guide
  - ▶ Written by Pete Freitag and offered as part of CF docs through CF2016
- ▶ CF2018 adds a new (optional) auto-lockdown tool
  - ▶ Tries to handle all at once the 84-pages of steps in the Lockdown Guide
- ▶ Does offer rollback and uninstall features
  - ▶ as well as logs of what it does, if it rolls back
- ▶ See [CF Home]\lockdown\
  - ▶ uninstall at ([CF Home]\lockdown\[Instance locked down]\Uninstall)
- ▶ ...

- ▶ Also offers silent install option
- ▶ Downloading it: [adobe.com/support/coldfusion/downloads.html](https://adobe.com/support/coldfusion/downloads.html)
- ▶ More:
  - ▶ [helpx.adobe.com/coldfusion/using/server-lockdown.html](https://helpx.adobe.com/coldfusion/using/server-lockdown.html)
  - ▶ [coldfusion.adobe.com/2018/07/server-auto-lockdown/](https://coldfusion.adobe.com/2018/07/server-auto-lockdown/)
- ▶ **One potential trap:**
  - ▶ Release notes for update 1 shows extra steps to take if autolockdown applied
  - ▶ [helpx.adobe.com/coldfusion/kb/coldfusion-2018-update-1.html](https://helpx.adobe.com/coldfusion/kb/coldfusion-2018-update-1.html)

- ▶ New monitoring solution for CF2018
  - ▶ Is a very tool, really worthy of an entire talk, indeed multiple talks
  - ▶ There are many happening this week, today and tomorrow
  - ▶ Will share some tips to help you get started with it
- ▶ Downloading it: [adobe.com/support/coldfusion/downloads.html](https://adobe.com/support/coldfusion/downloads.html)
- ▶ Configuring it
  - ▶ Auto discovery, or manual config
    - ▶ [coldfusion.adobe.com/2018/07/auto-discovery/](https://coldfusion.adobe.com/2018/07/auto-discovery/)
  - ▶ as of initial release, server auto-discovery does not support https
    - ▶ [coldfusion.adobe.com/discussion/2539323/](https://coldfusion.adobe.com/discussion/2539323/)
- ▶ ...

## PERFORMANCE MONITORING TOOLSET (PMT)

- ▶ Launching it: no start menu option, but instead link within CF Admin
- ▶ Something you might miss: alerts
  - ▶ [coldfusion.adobe.com/2018/07/alerts-and-notification/](https://coldfusion.adobe.com/2018/07/alerts-and-notification/)
- ▶ Learning more:
  - ▶ [helpx.adobe.com/coldfusion/user-guide.html?topic=/coldfusion/morehelp/pmt.ug.js](https://helpx.adobe.com/coldfusion/user-guide.html?topic=/coldfusion/morehelp/pmt.ug.js)
  - ▶ and blog posts ...

▶ Several CF team blog posts

- ▶ [coldfusion.adobe.com/2018/07/monitoring-coldfusion-servers/](https://coldfusion.adobe.com/2018/07/monitoring-coldfusion-servers/)
- ▶ [coldfusion.adobe.com/2018/07/topology-birds-eye-view-of-coldfusion-deployment/](https://coldfusion.adobe.com/2018/07/topology-birds-eye-view-of-coldfusion-deployment/)
- ▶ [coldfusion.adobe.com/2018/07/database-discovery/](https://coldfusion.adobe.com/2018/07/database-discovery/)
- ▶ [coldfusion.adobe.com/2018/07/external-services/](https://coldfusion.adobe.com/2018/07/external-services/)
- ▶ [coldfusion.adobe.com/2018/07/code-profiler/](https://coldfusion.adobe.com/2018/07/code-profiler/)
- ▶ [coldfusion.adobe.com/2018/07/server-monitor-thread-dump-analysis/](https://coldfusion.adobe.com/2018/07/server-monitor-thread-dump-analysis/)
- ▶ [coldfusion.adobe.com/2018/07/server-monitor-mystery-of-health-score-pmt/](https://coldfusion.adobe.com/2018/07/server-monitor-mystery-of-health-score-pmt/)
- ▶ [coldfusion.adobe.com/2018/07/performance-monitoring-toolset-connecting-the-dots-using-jvm-metrics/](https://coldfusion.adobe.com/2018/07/performance-monitoring-toolset-connecting-the-dots-using-jvm-metrics/)
- ▶ And others I mention elsewhere here

# PERFORMANCE MONITORING TOOLSET (PMT)



- ▶ Again, there were some important improvements in CF2016
  - ▶ Much better defaults than CF10, 11, and also enhanced config options
- ▶ Still more enhancements to wsconfig UI in CF2018
  - ▶ Choice of expected “load levels”
  - ▶ Demo
- ▶ New connector auto-tuning, within PMT
  - ▶ Bummer: only for IIS, it seems
- ▶ More:
  - ▶ [coldfusion.adobe.com/2018/07/connector-tuning/](http://coldfusion.adobe.com/2018/07/connector-tuning/)
  - ▶ [helpx.adobe.com/coldfusion/performance-monitoring-toolset/view-list-sites-busy-connections.html](http://helpx.adobe.com/coldfusion/performance-monitoring-toolset/view-list-sites-busy-connections.html)

## WEB SERVER CONFIG TOOL (WSCONFIG) CHANGES

- ▶ Previously CF supported ehcache
  - ▶ Now adds JCS (like ehcache, implemented within jvm)
  - ▶ And new options for distributed caching: Memcached, redis
- ▶ See CF Admin setting
- ▶ DEMO
- ▶ Can also override caching features/settings at application-level
- ▶ Also related new AdminAPI methods
- ▶ For more:
  - ▶ [coldfusion.adobe.com/2018/07/distributed-caching-coldfusion-2018-release/](http://coldfusion.adobe.com/2018/07/distributed-caching-coldfusion-2018-release/)
    - ▶ useful table at bottom
  - ▶ [helpx.adobe.com/coldfusion/developing-applications/changes-in-coldfusion/caching-enhancements.html](http://helpx.adobe.com/coldfusion/developing-applications/changes-in-coldfusion/caching-enhancements.html)

## NEW CACHING OPTIONS

- ▶ CF2016 had added new command-line interface (CLI)
  - ▶ Allowed cmd line CFML execution by pointing to a cfm file
  - ▶ Accessed using cf.bat or cf.sh in cfusion/bin folder
- ▶ CF2018 adds true REPL (read-eval-print-loop)
  - ▶ Essentially, able to write **cfscript** at command line (still via cf.bat / .sh)
    - ▶ **CAN** do tags using file approach above
  - ▶ CF does not even need to be running
  - ▶ Supports multi-line statements, either implicitly, an open “{” block, or via “^”
    - ▶ To leave multiline mode, use special statement "multilineexit"
  - ▶ To exit repl: q or ctrl-c
  - ▶ Use “help” command to find more
- ▶ ...

- ▶ Can call CFCs **only in current** directory where cf.bat is running
  - ▶ can run cf.bat there, using path in front of it: `\coldfusion2016\cfusion]bin\cf.bat`
- ▶ Can output to terminal with `writeoutput`, `writeDump`, of course
  - ▶ But also, output gets auto-printed to the console when typing
    - ▶ an assignment
    - ▶ an expression evaluating to some value
    - ▶ a function
  - ▶ How to disable automatic printing of output in the console?
    - ▶ In `cfusion/bin/cf.bat` file, change setting `PRINT_REPL_VARS_AUTO` to `false`
- ▶ For more on REPL and CLI:
  - ▶ [helpx.adobe.com/coldfusion/using/command-line-interface.html](http://helpx.adobe.com/coldfusion/using/command-line-interface.html)

- ▶ On the topic of “trying out code” easily, consider Adobe’s CFFiddle
  - ▶ [cffiddle.org](http://cffiddle.org)
  - ▶ Not new or CF2018-specific, but recent update: no longer need to login
  - ▶ Can save scripts to share with others, and more
- ▶ Consider also [trycf.com](http://trycf.com)
- ▶ Let’s move on to language feature gems

CONSIDER ALSO CFFIDDLE

- ▶ Somewhat along the same lines...
- ▶ The REST playground is a new way to work with CF rest services
  - ▶ Application bundled with CF, to help visualize, test, and debug them
- ▶ More
  - ▶ [coldfusion.adobe.com/2018/07/rest-playground-ion-2018-release/](https://coldfusion.adobe.com/2018/07/rest-playground-ion-2018-release/)
  - ▶ [helpx.adobe.com/coldfusion/using/rest-enhancements-coldfusion.html#restplay](https://helpx.adobe.com/coldfusion/using/rest-enhancements-coldfusion.html#restplay)

▶ Null support

- ▶ [coldfusion.adobe.com/2018/07/null-support-in-coldfusion-2018/](https://coldfusion.adobe.com/2018/07/null-support-in-coldfusion-2018/)
- ▶ [helpx.adobe.com/coldfusion/developing-applications/the-cfml-programming-language/using-coldfusion-variables/data-types-developing-guide.html#null-support](https://helpx.adobe.com/coldfusion/developing-applications/the-cfml-programming-language/using-coldfusion-variables/data-types-developing-guide.html#null-support)

▶ Async feature

- ▶ [coldfusion.adobe.com/2018/07/asynchronous-programming-in-coldfusion-2018-release/](https://coldfusion.adobe.com/2018/07/asynchronous-programming-in-coldfusion-2018-release/)
- ▶ [helpx.adobe.com/coldfusion/using/asynchronous-programming.html](https://helpx.adobe.com/coldfusion/using/asynchronous-programming.html)

▶ Enhanced support for new operator

- ▶ [coldfusion.adobe.com/2018/07/enhanced-support-for-new-operator](https://coldfusion.adobe.com/2018/07/enhanced-support-for-new-operator)
- ▶ [helpx.adobe.com/coldfusion/using/whats-new.html#new](https://helpx.adobe.com/coldfusion/using/whats-new.html#new)

▶ ...

- ▶ Semi-colon optional
  - ▶ [coldfusion.adobe.com/2018/07/writing-cfms-without-semicolons/](https://coldfusion.adobe.com/2018/07/writing-cfms-without-semicolons/)
  - ▶ [helpx.adobe.com/coldfusion/using/whats-new.html#Otherchanges](https://helpx.adobe.com/coldfusion/using/whats-new.html#Otherchanges)
- ▶ Closures in tags (previously only in script)
  - ▶ [coldfusion.adobe.com/2018/07/closures-in-coldfusion-tags/](https://coldfusion.adobe.com/2018/07/closures-in-coldfusion-tags/)
  - ▶ [helpx.adobe.com/coldfusion/developing-applications/the-cfml-programming-language/extending-coldfusion-pages-with-cfml-scripting/using-closures.html#closure-tags](https://helpx.adobe.com/coldfusion/developing-applications/the-cfml-programming-language/extending-coldfusion-pages-with-cfml-scripting/using-closures.html#closure-tags)
- ▶ Named parameters
  - ▶ [coldfusion.adobe.com/2018/07/named-parameters-in-coldfusion/](https://coldfusion.adobe.com/2018/07/named-parameters-in-coldfusion/)
  - ▶ <ftp://ftp.adobe.com/pub/adobe/coldfusion/2018/NamedParametersColdFusion2018.pdf>
- ▶ ...



- ▶ New control of query auto-generation of primary keys
  - ▶ cfquery attribute `disableAutoGenKeys`
  - ▶ `queryexecute`
    - ▶ Added the value `disableAutoGenKeys` in `queryOptions` struct
- ▶ Cfchart
  - ▶ Adds support for responsive client-side charts
  - ▶ Can specify the height and width in percentages
  
- ▶ And still more groups of changes ...

- ▶ Typed arrays
- ▶ Array negative indexes
- ▶ Array slices
- ▶ Member functions now supported for string literals
- ▶ More:
  - ▶ [coldfusion.adobe.com/2018/07/arrays-and-string-enhancements-in-coldfusion-2018/](http://coldfusion.adobe.com/2018/07/arrays-and-string-enhancements-in-coldfusion-2018/)

- ▶ ArrayFirst
- ▶ ArrayLast
- ▶ QueryDeleteColumn
- ▶ QueryDeleteRow
- ▶ CacheGetEngineProperties
- ▶ RunAsync
- ▶ StructIsOrdered
- ▶ More:
  - ▶ [helpx.adobe.com/coldfusion/cfml-reference/new-functions-coldfusion-2018.html](https://helpx.adobe.com/coldfusion/cfml-reference/new-functions-coldfusion-2018.html)

- ▶ Too many to list, but in categories of:
  - ▶ query functions
  - ▶ array functions
  - ▶ xml functions
  - ▶ async functions
  - ▶ numeric functions
  - ▶ date functions
  - ▶ as well as changes to some existing member functions
- ▶ [coldfusion.adobe.com/2018/07/member-functions-coldfusion-2018/](http://coldfusion.adobe.com/2018/07/member-functions-coldfusion-2018/)
- ▶ [helpx.adobe.com/coldfusion/developing-applications/building-blocks-of-coldfusion-applications/using-the-member-functions.html](http://helpx.adobe.com/coldfusion/developing-applications/building-blocks-of-coldfusion-applications/using-the-member-functions.html)

NEW MEMBER FUNCTIONS

- ▶ Abstract CFCs & Methods
- ▶ Subtyping/covariant method return types
- ▶ Final variables, methods, components
- ▶ More:
  - ▶ [coldfusion.adobe.com/2018/07/oop-and-coldfusion/](http://coldfusion.adobe.com/2018/07/oop-and-coldfusion/)
  - ▶ [coldfusion.adobe.com/2018/07/oop-and-coldfusion-part-2/](http://coldfusion.adobe.com/2018/07/oop-and-coldfusion-part-2/)
- ▶ default functions in interface
  - ▶ [coldfusion.adobe.com/2018/07/default-function-in-interface/](http://coldfusion.adobe.com/2018/07/default-function-in-interface/)

- ▶ We're more than half-way home. But areas remaining include...
  - ▶ Deprecated features
  - ▶ Updates to underlying libraries' versions numbers
  - ▶ What's new in Standard vs Enterprise
  - ▶ Pricing
  - ▶ Updates since initial release
  - ▶ And more!

OTHER TOPICS

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- ▶ See:
  - ▶ [helpx.adobe.com/coldfusion/deprecated-features.html](https://helpx.adobe.com/coldfusion/deprecated-features.html)
- ▶ Some features listed as deprecated (there, but should not be used)
  - ▶ Mostly things rarely used by most anymore
- ▶ New concept: "retired" (feature **not enabled by default**)
  - ▶ Some may be things rarely used by most (flash remoting, flash forms, etc.)
  - ▶ Some you may use: UI tags (more on that in a moment)
- ▶ Potential trap
  - ▶ That page says only the thing removed in CF2018 is CF Server Monitor
  - ▶ I ran into some other issues...

- ▶ The pages list some things as deprecated that seem obsoleted (code fails)
  - ▶ cfschedule's timeout attribute (used in creating a new task)
    - ▶ can add cfsetting requesttimeout to page being called (if under your control)
  - ▶ cfcache's cachedirectory and timeout attributes
- ▶ Also, though not listed on the page, I found:
  - ▶ cfqueryparam failed if..
    - ▶ cfsqltype="CF\_SQL\_int" (should instead be "CF\_SQL\_integer")
    - ▶ cfsqltype=""CF\_SQL\_DateTime" (should be CF\_SQL\_date, time, or timestamp)
  - ▶ cfsocialplugin failed if width attribute specified

UNDOCUMENTED OBSOLETION?



- ▶ Among things listed as “retired” are UI tags based on YUI javascript library
  - ▶ So these will not work out of the box with 2018, but you can “enable” them
  - ▶ This was also true as of one of the updates to CF2016 and 11 last year
- ▶ Includes these tags
  - ▶ cfmenu, cftree, cftootip, cfcalendar, cfinput (autosuggest attribute), cfinput (sourcefortooltip attribute), cfsprydataset
- ▶ To re-enable these, just copy needed YUI library files back into CF
  - ▶ See bottom of that deprecated features page

- ▶ Watch out: as part of the new OO support, CF now has an **abstract** keyword
  - ▶ As such, if you have code that uses that word, you will have a conflict/errors
  - ▶ Even if you may not think you use that, watch out that frameworks might
    - ▶ ColdSpring does
  - ▶ You need to carefully find and replace variable names, properties called “abstract”
    - ▶ May not want to do global replace, as you may have text that shouldn’t be replaced
    - ▶ Could just run through code and fix those which get errors, but that’s risky, too

- ▶ Antismy 1.5.7 (OWASP security library)
- ▶ Derby 10.11 (embedded DB)
- ▶ Ehcache 2.10.3 (caching library)
- ▶ Esapi 2.1.0 (OWASP Enterprise Security API)
- ▶ Hibernate 5.2.11 (ORM library)
- ▶ HttpClient 4.5.2 (underlies CFHTTP and more)
- ▶ Java 10.0.1 (the JVM which underlies CF)
- ▶ jQuery 3.1.1 and jQuery UI 1.12.1 (JS library which underlies various UI tags and Admin interface features)
- ▶ Lucene 6.6 (underlies Solr search engine in CF)
- ▶ POI 3.7 (underlies MS Office Integration features)
- ▶ Solr 7.2.1 (the embedded search engine, used by CFSEARCH/CFINDEX, etc.)
- ▶ Tomcat 9.0.10 (app server underlying CF, when deployed in traditional "Server" configuration)

UPDATES TO SOME UNDERLYING  
LIBRARIES' VERSIONS NUMBERS

- ▶ Only thing **new** that is Enterprise only is distributed caching
  - ▶ redis and memcached options
  - ▶ Standard **does** support long-standing ehcache and the new jcs option
- ▶ The CF2018 perf. whitepaper says “web server path caching” is Ent-only
  - ▶ But it’s not a new feature (has been there for many releases)
  - ▶ And I see the option in the CF2018 Admin Caching page
- ▶ LET ME BE CLEAR: **I am NOT saying that’s the ONLY difference between CF2018 Standard and Enterprise**
  - ▶ I’m saying that’s the only thing NEW in 2018 that is Enterprise-only
- ▶ For more on differences between CF Std and Ent:
  - ▶ [adobe.com/products/coldfusion-standard/buying-guide.html](https://adobe.com/products/coldfusion-standard/buying-guide.html)

- ▶ And now, the shoe drops. The price of CF2018 has increased
  - ▶ Standard: 2499 (per 2 CPU cores)
  - ▶ Enterprise 9499 (per 8 CPU cores)
- ▶ Upgrade discount for those on CF2016 (none for those on CF11 or earlier)
- ▶ Consider buying CF from resellers, for still more discounts
  - ▶ [buy-adobe-software.com](http://buy-adobe-software.com) (from makers of FusionReactor)

- ▶ No real difference from CF2016
- ▶ More:
  - ▶ [adobe.com/content/dam/acom/en/legal/licenses-terms/pdf/ColdFusion.pdf](https://adobe.com/content/dam/acom/en/legal/licenses-terms/pdf/ColdFusion.pdf)

- ▶ Release notes (bug fixes, known issues, etc.)
  - ▶ [helpx.adobe.com/coldfusion/release-note/coldfusion-2018-release-notes.html](https://helpx.adobe.com/coldfusion/release-note/coldfusion-2018-release-notes.html)
- ▶ Performance Whitepaper
  - ▶ [www.images2.adobe.com/content/dam/acom/en/products/coldfusion/pdfs/CF2018\\_Performance.pdf](https://www.images2.adobe.com/content/dam/acom/en/products/coldfusion/pdfs/CF2018_Performance.pdf)

- ▶ Released last month
- ▶ Tomcat updated to 9.0.10
- ▶ New GetCanonicalPath function
  - ▶ Was also added to CF2016 and 11 per their updates released at the same time
- ▶ Potential traps...

UPDATE 1

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- ▶ Potential trap:
  - ▶ Update adds *packetize* to *server.xml* for the *ajp* and *http* “connector” *xml* elements
  - ▶ Someone complained they had already added that, and the update just added it again, making it a dupe and this preventing thus CF coming up!
    - ▶ And the *server.xml* file did NOT get backed up in the *hf-updates* folder
- ▶ Remember also potential trap if *autolockdown* is applied mentioned before
- ▶ More:
  - ▶ [helpx.adobe.com/coldfusion/kb/coldfusion-2018-update-1.html](https://helpx.adobe.com/coldfusion/kb/coldfusion-2018-update-1.html)

- ▶ Lists of updates, links to technotes, and offers jar download links!
  - ▶ [helpx.adobe.com/coldfusion/kb/coldfusion-2018-updates.html](https://helpx.adobe.com/coldfusion/kb/coldfusion-2018-updates.html)
- ▶ Also available for CF 2016, 11 and 10:
  - ▶ [helpx.adobe.com/coldfusion/kb/coldfusion-2016-updates.html](https://helpx.adobe.com/coldfusion/kb/coldfusion-2016-updates.html)
  - ▶ [helpx.adobe.com/coldfusion/kb/coldfusion-11-updates.html](https://helpx.adobe.com/coldfusion/kb/coldfusion-11-updates.html)
  - ▶ [helpx.adobe.com/coldfusion/kb/coldfusion-10-updates.html](https://helpx.adobe.com/coldfusion/kb/coldfusion-10-updates.html)
- ▶ Again, updates are cumulative, need only apply latest!
  
- ▶ And finally...

- ▶ Some may know that Adobe released Docker images for CF2016
  - ▶ They have been updated for CF2018
  - ▶ And it's also been updated already for Update 1
- ▶ [bintray.com/eaps/coldfusion/cf%3Acoldfusion/2018.0.1/view/readmore#release](https://bintray.com/eaps/coldfusion/cf%3Acoldfusion/2018.0.1/view/readmore#release)

- ▶ Built-in FTP support
  - ▶ Window>Show View>Other>Remote Systems
  - ▶ in previous releases, you'd have to know to get it, Remote Systems Explorer
  - ▶ [helpx.adobe.com/coldfusion/using-coldfusion-builder/managing-servers.html#remote](http://helpx.adobe.com/coldfusion/using-coldfusion-builder/managing-servers.html#remote)
- ▶ Asserted to load large files faster, and use less memory
- ▶ Support to import code profiler data from PMT
  - ▶ [helpx.adobe.com/coldfusion/using-coldfusion-builder/managing-projects.html#profiler](http://helpx.adobe.com/coldfusion/using-coldfusion-builder/managing-projects.html#profiler)
- ▶ ...

- ▶ Cordova replaces Phonegap
  - ▶ [helpx.adobe.com/coldfusion/mobile-application-development/packaging-mobile-applications.html](http://helpx.adobe.com/coldfusion/mobile-application-development/packaging-mobile-applications.html)
- ▶ Standalone edition now built upon Eclipse Oxygen 4.7.2
- ▶ More:
  - ▶ [helpx.adobe.com/coldfusion/using-coldfusion-builder/whats-new-in-coldfusion-builder.html](http://helpx.adobe.com/coldfusion/using-coldfusion-builder/whats-new-in-coldfusion-builder.html)

- ▶ So, lots of changes, right? (Too many to easily count)
- ▶ Hope you may be more motivated—and informed—to consider CF2018
  - ▶ To understand if and how it may work for you
  - ▶ Or at least where things stand regarding it as of now
- ▶ Again, my contact info for followup:
  - ▶ Charlie Arehart
  - ▶ [charlie@carehart.org](mailto:charlie@carehart.org)
  - ▶ @carehart (Tw, Fb, Li, Slack)

# SUMMARY