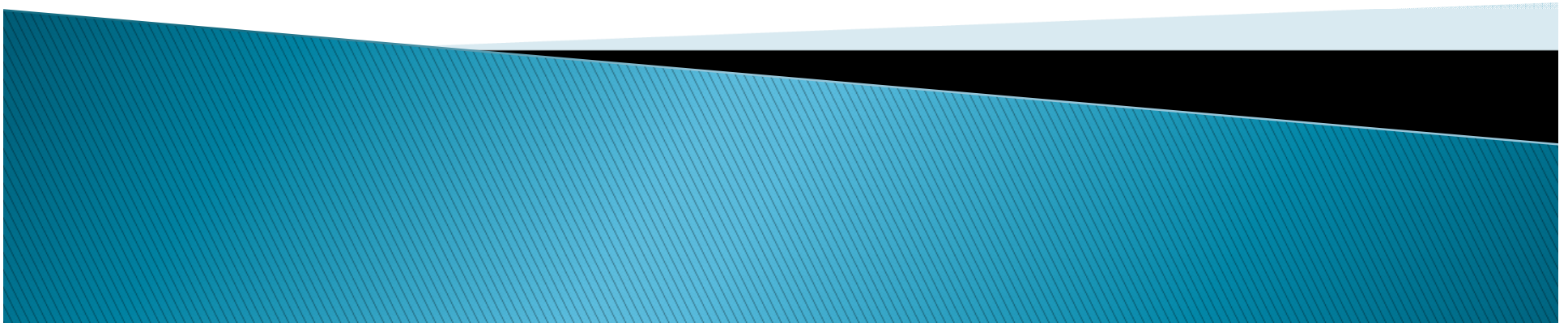


Hidden Gems in ColdFusion Builder 2

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About the presentation

- ▶ As last year, not an “Intro to CFBuilder”
 - There are many important features I won’t discuss
- ▶ Nor is it “all that is new in CFB2”
- ▶ Still, many, many tips to share
 - Will often point to URL with more info
- ▶ I also have many more in last year’s CFB talk
- ▶ Both presentation PDFs posted at carehart.org/presentations

Audience

- ▶ Consider that it may include those:
 - new to—or expert in—either:
 - CFBuilder 1, CFB2, Eclipse, CFEclipse, other editors
- ▶ Please be patient
 - You may already know some of these things
 - You may even think of things I didn't share
 - A few things will apply to CFB1 as well
 - Feedback welcome, as always

Session Outline

- ▶ Hidden Gems in Installing
- ▶ Hidden Gems in Configuring
- ▶ Hidden Gems in CFB2
 - Coding Features
 - Shortcuts
 - Searching
 - Miscellaneous
- ▶ Resources for Learning More

About Charlie Arehart

Independent Consultant

- 13 yrs CF experience (27 in Enterprise IT)
- Member, Adobe Community Professionals
- Certified Adv CF Developer (4-8), Cert. Adobe Instructor
- Frequent speaker to user groups, conferences worldwide
- Run the 2500-member Online ColdFusion Meetup (coldfusionmeetup.com)
- Living in Alpharetta, Georgia (Atlanta)

Web home at www.carehart.org

- Host ~300 blog entries, 80+ articles, 90+ presentations
- UGTV: recordings of 500+ presentations by ~250 speakers
- CF411.com - 1,200+ tools/resources in 125+ categories
- CF911.com - coming soon
- Hosting courtesy of EdgeWeb Hosting
- Consulting: available for CF troubleshooting, tuning; training
 - Remote or on-site

Windows vs Mac OS X

- ▶ When I refer in talk to CFBuilder Preferences
 - it's in *Window>Preferences* on Windows and Mac (as of CFB2 Standalone)
 - but in *Adobe ColdFusion Builder>Preferences* on Mac as plugin
 - I'll just start with *Preferences>* to avoid confusion
 - But note that *Window* menu option does exist on Mac, used for other things, like *Window>Show View*
- ▶ And of course, if I say *ctrl-click* something, on Mac that's *command-click*
- ▶ That said, this is not a “shortcuts talk”, though many will be shared, given CFB's nature
 - Mouse equivalents offered where available
- ▶ OK, on with the gems...

Hidden Gems in *Installing*

- ▶ Don't miss the documentation:
 - Installation guide (11 pages)
 - User guide (123 pages)
 - Release notes (9 pages)
 - especially "getting started" section
- ▶ Find all docs on Adobe site
 - <http://www.adobe.com/support/coldfusion/>
 - And via <http://cfdocyard.blogspot.com>
 - <http://tinyurl.com/cfb2docyard>

Hidden Gems in Installing (cont.)

- ▶ You can install CFB2 alongside CFB1 (standalone)
 - Any beta of CFB2 must be uninstalled
- ▶ You can use the same workspace for both
 - But should use “clean” option on startup
 - See last section of CFB2 Install Guide, “Clean and reinitialize workspace”
- ▶ Other integration issues:
 - Cannot install CFB1 and 2 as plug-ins with the same Eclipse installation
 - Can install CFB2 as a plug-in with Flash Builder 4.5
 - CFB2 cannot be installed as plug-in within Flash Builder 4

Hidden Gems in Installing (cont.)

- ▶ Not new, but did you know...?
- ▶ Single license can be used on up to two computers (even across operating systems)
- ▶ To move license beyond first two, must deactivate on one
 - Use Help > Adobe ColdFusion Builder Deactivation
 - Discussed in both CFB1 and 2 user guides

Hidden Gems in Installing (cont.)

- ▶ Regarding "admin server" components offered during installation...
- ▶ To be installed on server running CF (if not same as dev workstation)
- ▶ Needed only if interested in starting/stopping CF from within CFBuilder
 - further, only needed on CF 7 or 8 (already in CF9)
- ▶ ...

Hidden Gems in Installing (cont.)

- ▶ More on "admin server" components...
- ▶ Do then need to start the admin instance manually (not set to start as a service)
 - also, note this is NOT the same admin instance as available in Multiserver deployments of CF
- ▶ Also, may need to update security properties for the remote ColdFusion server
 - {CFHome}/runtime/lib/security.properties entry for jrun.subnet.restriction and jrun.trusted.hosts
 - May also need to open firewall hole for JNDI port
- ▶ See Installing CFBuilder manual for more on all these install matters

Hidden Gems in Configuring

- ▶ Use projects or not?
 - While you don't NEED to use CFB with projects
 - Note that some features only work in files that are opened within a project
- ▶ Configure servers or not?
 - Similarly, while you don't NEED to configure a server connection in CFB
 - some features only work in files that are opened within a project that is connected to a server
- ▶ ...

Hidden Gems in Configuring (cont.)

- ▶ If you connect a CFB project to a server and make mistake, some feature may fail silently
- ▶ Note:
 - I offer CFB troubleshooting assistance
 - low fixed price
 - (Can't communicate here all that could go wrong)
- ▶ Helpful related blog entry: "Where ColdFusion Builder finds my CFCs?"
 - <http://blogs.adobe.com/cfbuilder/2011/03/where-coldfusion-builder-finds-my-cfcs.html>

Hidden Gems in CFB2 Coding Features

- ▶ Again, not “what all is new” in CFB2
 - More about gems within these new features
 - “You have heard it said...”
- ▶ Code Assist
 - Tag/functions pop up while typing
 - Change from CFB1, had to press *ctrl-space*
 - Applies also to attributes/values, arguments, vars/scopes
 - can press *ctrl-space* if/where needed to force assist
 - Shows dependent attributes only: nice
- ▶ Gems?...

Hidden Gems in CFB2 Coding Features (cont.)

- ▶ Code Assist gems...
- ▶ “Filter” feature in Code Assist
 - If you type part of attribute, function, var, or scope
 - It will show only those matching that (using ctrl-space shortcut)
- ▶ Shows only vars that could work
 - Such as struct vars in struct function
- ▶ Cycling through code assist
 - Repeat the ctrl-space shortcut
 - Cycles showing vars and scopes → functions → both

Hidden Gems in *CFB2 Coding Features* (cont.)

- ▶ Code Assist gems (cont.)...
- ▶ Control for these code assist features
 - *preferences>coldfusion>profiles>editor>code assist*
- ▶ See also video at
 - <http://blogs.adobe.com/anand/2011/02/take-a-look-at-the-editor-enhancements-in-cf-builder.html>

Hidden Gems in CFB2 Coding Features (cont.)

- ▶ Code folding gems:
- ▶ CFB2 remembers folding across close/open of file
- ▶ CFB2 lets you fold arbitrary code
 - Select code and use *ctrl-alt-f*
 - CFB1 /2 let you fold nesting tags by clicking + in gutter
 - Mouse equivalent: right-click and choose source>toggle folding at selection
 - Trap: after uncollapsing arbitrary code, a - will remain in gutter
 - To remove, use keyboard or menu cmd on first line that was arbitrarily collapsed (showing - in gutter)

Hidden Gems in CFB2 Coding Features (cont.)

- ▶ Code navigation/tag selection gems:
- ▶ You may have heard *Ctrl-alt-b* selects enclosing tag (or script)
 - gem: repeat keystroke to keep selecting next enclosing tag/script
- ▶ *Ctrl-alt-m* jumps to matching tag/script (when cursor is on start or end tag/script)
 - trap: if keystrokes don't work, beware that some other app may be overriding
 - for instance, this *ctrl-alt-m* doesn't work for me
 - but *ctrl-alt-n* opens new note in evernote
 - so something else could be intercepting the “m”

Hidden Gems in CFB2 Coding Features (cont.)

- ▶ Code navigation/tag selection gems (cont):
- ▶ *ctrl-shift-up/down arrow*
 - moves among functions (whether tags or script, in cfm or cfc files)
 - also moves among cfif/cfswitch lines, if the focus is on one to start with
 - Trap: *ctrl-alt-up/down* instead duplicates line
- ▶ *ctrl-]/[*
 - moves among attribute values in a tag or script statement, or among args in a function call
- ▶ See later discussion of shortcuts for how to see/change all these shortcuts

Hidden Gems in CFB2 Coding Features (cont.)

- ▶ Hover help gems:
- ▶ When you mouse over a tag or function, a small window pops up some basic info on that
 - Gem: for a user-defined function or method, shows any defined hint
- ▶ Trap: only works for files opened as project
- ▶ Trap: and will only be able to find hint for methods in other than current file if the project is connected to a server
- ▶ Trap: and if you update something like a cfc hint, while CFB is open, seeking the hover help on a calling page will not detect change
 - Don't need to restart CFB. Just need to refresh server

Hidden Gems in CFB2 Coding Features (cont.)

- ▶ “Quick Fix” gems:
- ▶ Cool feature
 - offers to create functions/cfcs/cfc methods when first referenced
 - Click icon in gutter, or right-click and “quick fix”
- ▶ Gem: can also use *ctrl-1* to initiate
- ▶ Gem: if call to function or CFC is in cfscript
 - CFB will create new function/cfc in script syntax
- ▶ video:
 - <http://blogs.adobe.com/anand/2011/03/quickfix-enhancements-in-coldfusion-builder.html>
- ▶ ...

Hidden Gems in CFB2 Coding Features (cont.)

- ▶ “Quick Fix” traps:
 - ▶ Trap: won't work unless file is opened within a project
 - ▶ Trap: can't work if using vars for cfc path
 - ▶ Trap/bug: if cfc to which a method is being added to is opened in browse mode within CFB
 - The function will be added within the caller instead
- ▶ See release notes for some other "known issues"

Hidden Gems in CFB2 Coding Features (cont.)

- ▶ Tag completion trap/gem:
 - ▶ Trap: CFB2 STILL does not auto-close tags while typing
 - You must turn it on
 - *Preferences>ColdFusion>Profiles>Editor>Typing*
- ▶ Gem:
 - Code assist tag insertion DOES create closing tag by default
 - Controllable separately in *Preferences>ColdFusion>Profiles>Editor>Code Assist*

Hidden Gems in CFB2 Coding Features (cont.)

- ▶ Code Formatting gems:
- ▶ You've heard that you can reformat code using *ctrl-shift-f* (or right-click and *format*)
 - Or with mouse using *Edit>Format*
- ▶ Gems:
 - Can also apply to a selection of code
 - Can be undone (if in whole or in part)
 - Works for CFML as well as other content (html, javascript, css)

Hidden Gems in CFB2 Coding Features (cont.)

- ▶ Code Formatting gems (cont):
- ▶ Gem: yes, you can customize the way formatting happens
 - *Preferences>ColdFusion>Profiles>Editor>Formatter*
- ▶ Note option to select "profile"
 - By default there is only one (which cannot be edited)
 - But can easily add/edit a new one
 - will become default
- ▶ ...

Hidden Gems in CFB2 Coding Features (cont.)

- ▶ Code Formatting gems (cont):
- ▶ Note many options, to control:
 - whether tags/attributes are upper/lower case, whether to add closing slash to single tags
 - whether to use tab or space for indentation, size, what tags NOT to indent
 - LOTS about handling whitespace, including where to use add spaces or blank lines under MANY circumstances
 - whether to wrap attributes, arguments, and much more on a line; if so, how many or how wide at most
 - where braces are in script (same line, next line) for function, if, switch, try, and more
- ▶ Note also available preview feature
- ▶ Trap: note a couple of "known issues" in the release notes

Hidden Gems in CFB2 Shortcuts

- ▶ Various aspects related to shortcut keys...
- ▶ Not new:
 - Perhaps easiest shortcut for moving among files
 - *ctrl-pgup/pgdn* (or *ctrl-shift/alt-pgup/pgdn*)
 - But not *alt-pgup/pgdn* or *ctrl-tab*, which do internal browse
- ▶ CFB1 also had various shortcuts to enter commonly used tags
 - like *ctrl-shift-d* to insert cfdump, *ctrl-shift-m* to insert cfml comment
- ▶ CFB2 uses different shortcut
 - *ctrl-t* then d, or *ctrl-t* then m respectively
- ▶ ...

Hidden Gems in *CFB2 Shortcuts* (cont.)

- ▶ *Ctrl-t* now shows list of shortcuts
 - to enter certain common tags (for inserting text)
 - Or with mouse, right-click and *Source*
- ▶ Trap: in *cfb1*, *ctrl-t* called up a tag editor
 - that is now *ctrl-shift-t* in *cfb2*

Hidden Gems in CFB2 Shortcuts (cont.)

- ▶ To see all/other CF shortcuts
 - see *Preferences>ColdFusion>Profiles>Keys*
 - Gem: note there's some logic to grouping of keystrokes, some are multi-keystroke
 - Insert shortcuts start with *CTRL-T*
 - Wizards shortcuts with *CTRL-ALT-W*
 - Extensions shortcuts with *CTRL-SHIFT-E*
- ▶ Trap: Curious that those second two use alt and shift
 - while first uses no 2nd keystroke

Hidden Gems in CFB2 Shortcuts (cont.)

- ▶ Can now export/import CF shortcuts
 - From that preferences page
 - Trap: need to scroll down on page to export/import buttons
- ▶ As before, prefs page also lists all CF shortcuts
 - Gem: many more shortcuts to insert things than before
 - and now more than just tags,
 - adding new server, extension, project, file, and more
- ▶ As before, prefs page shows only CF shortcuts
 - Separate list of keys for all of eclipse
 - *Preferences>general>keys*

Hidden Gems in CFB2 Shortcuts (cont.)

- ▶ Gem: in CFB2, you can now specify "insert text" in a newly created shortcut
 - will appear between tags
- ▶ Gem: if you need to enter text and also set a cursor position, use `$${CP}`, as in:
 - `<cfsometag someattributes>$${CP}</cfendtag>`

Hidden Gems in CFB2 Searching

- ▶ You may have heard about ability to search for tags/attributes...
- ▶ Gem: many ways to control where to search
 - Current document
 - Open documents
 - Project(s) (selectable)
 - Local directory
 - FTP location
 - RDS location
 - Workspace or working set
- ▶ ...

Hidden Gems in CFB2 Searching (cont.)

- ▶ Gem: can select text and launch find
 - that code will be used for the search string
 - or you can change the search string and now only that selected code will be searched
- ▶ Gem: “incremental search” checkbox
 - Searches while you type (within current doc)
- ▶ ...

Hidden Gems in CFB2 Searching (cont.)

- ▶ Can also do find or replace
 - can do one or all occurrences (of find and replace)
- ▶ Gem: when doing replace using tag search, check out available "action". Can:
 - remove the tag block
 - change a given attribute to a given value
 - remove an attribute
 - add something before/after the tag (such as a standard comment before a function definition)
- ▶ More info in docs

Hidden Gems in CFB2 Searching (cont.)

- ▶ For tag search across multiple files
 - can set to be all files, all cfm, all cfc, both, more
- ▶ Trap: when doing replace across multiple files
 - It's supposed to show preview feature
 - But I did not find this to be true, regardless of the "location"

Hidden Gems in CFB2 Searching (cont.)

- ▶ Of course, some hate this took over Eclipse find feature
 - Still there as *Search>File*
 - You should be able to swap the shortcuts, as discussed above
- ▶ Comparison of Eclipse and CF search features
 - <http://blogs.adobe.com/cfbuilder/2011/03/coldfusion-search-vs-eclipse-search.html>
- ▶ Some key additions in CF Search:
 - tag search, search of open documents, search across RDS/FTP, multi-line search, ignore whitespace, and more

Hidden Gems in CFB2 Searching (cont.)

- ▶ Tag-based search:
 - Very powerful, yet easy
 - Will be familiar to those coming from DW (at least, if they noticed it offered there)
 - Use Ctrl-F (or *Search > ColdFusion Search*), then change Search drop-down from Text to Tag
 - You can choose any tag, and choose to search for its occurrence with any attributes or values (or not having them occur)
 - And if doing a replace, can add/change/delete attribute/value
 - Really far more powerful than “just a text search”
 - So beware, it will take a little longer, parsing lines

Miscellaneous Hidden Gems in CFB2

- ▶ Start page (in project definition):
 - Useful for front-controller apps
 - Can set the file to use to launch when previewing, browsing (from within CFB), or debugging a project
- ▶ Can create CFM files from file (not project) navigator:
 - In File view, right-click any local folder
 - Then select New > ColdFusion Page (or Component or Interface)

Highlights from my CFB1 Gems talk

- ▶ That talk covered much more, including:
 - Hidden Gems in Working with Files
 - Hidden Gems in Editing
 - Hidden Gems in Configuring the IDE
 - Hidden Gems in Troubleshooting
 - Hidden Gems in Connecting to CF Servers
 - Hidden Gems in Editing Code on Remote Servers
 - Miscellaneous Hidden Gems
 - Some Gotchas

Definitely far more gems you can find

- ▶ This has not been the ultimate list
 - We have only 50 minutes
 - We have different audiences
 - Goal certainly wasn't to show all, or even most, features
- ▶ You can find many more tips and hidden gems
 - Besides CFB docs, many resources available on Eclipse, Aptana
 - Can learn much from those

CFBuilder Resources

- ▶ CFBuilder 2 User Guide
 - http://help.adobe.com/en_US/ColdFusionBuilder/2.0/Using/index.html
- ▶ CFBuilder 2 Installation Guide
 - http://help.adobe.com/en_US/ColdFusionBuilder/2.0/Installing/index.html
- ▶ CFBuilder 2 Release Notes:
 - <http://www.adobe.com/support/documentation/en/coldfusionbuilder/pdfs/coldfusionbuilder2releasenotes.pdf>
 - Note especially “known issues”
 - Some oddities that happen one time
 - As well as issues with using CFB as plugin, or along with FB

CFBuilder Resources (cont.)

- ▶ CFBuilder Forum/List
 - <http://forums.adobe.com/community/coldfusion/coldfusionbuilder>
- ▶ Adobe CFBuilder Team Blog
 - <http://blogs.adobe.com/cfbuilder/>
- ▶ CFBuilder Bug Tracker
 - <http://cfbugs.adobe.com/bugreport/flexbugui/cfbugtracker/main.html>
- ▶ Akbarsait's list of CFBuilder tutorials and resources
 - <http://www.akbarsait.com/cfbuildertutorials.cfm>
- ▶ Others have done talks on CFBuilder, recording links offered at <http://www.carehart.org/ugtv/>

Some other blog entries

- ▶ Tag coloring:
 - Changing tag colors
 - <http://sandepp.org/blog/?p=130>
 - Changing comment colors
 - <http://sandepp.org/blog/?p=84>
 - See also release notes for some other "known issues"
- ▶ File encoding (utf-8/) support
 - <http://sandepp.org/blog/?p=159>
- ▶ Create snippets from cflib
 - <http://nerdscube.com/2011/01/create-coldfusion-builder-snippets-from-cflib/>
- ▶ CPU spike if TailView is kept open in CFBuilder
 - http://blogs.adobe.com/cfbuilder/2010/05/cpu_spike_if_tailview_is_kept.html

That's it

- ▶ Hope everyone here has learned at least something
 - And hopefully a few new things!

Questions On Presentation

▶ Charlie Arehart

- charlie@carehart.org
- I'd really appreciate your feedback
 - <http://carehart.org/feedback/>
- Available for ColdFusion and CFBuilder troubleshooting
 - Remote or on-site
 - No time minimum, satisfaction guarantee
 - Also available "CFBuilder fixed fee solution for one problem", up to a max of 2 hours
 - <http://carehart.org/consulting/>