

Hidden Gems in 4.01

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Presentation on Web Site

⌘ Presentation is available at:

www.systemanage.com/presentations/

4.01: More than Maintenance

⌘ 4.01 was a maintenance update

⌘ Came out in April

⌘ Free to current users (w/ Serial #)

⌘ Full new versions of all s/w

Downloadable from Allaire site

⌘ MUCH MORE than just bug fixes!!

Allaire's Highlights

⌘ Features Highlighted on Main 4.01 pages on Allaire Site:

- Failover in clustering on NT
- Advanced Security (Sandbox, etc.) on Solaris
- New Native Drivers: DB2, Informix
- New Unix Support: HP/UX
- Euro currency support

Allaire's Highlights (cont)

⌘ Other Significant Features Highlighted

- Short-circuit evaluation
- Advanced Security authentication against ODBC datasource
- Use of Netscape (NgLayout) as Internal Browser
- Authentication by secured certificates
- DB Connection caching: release/timeout
- Optional Stack Trace in Excep. Handling, Template Path in Error Messages
- Custom tag and excep. handling improvements

But Wait, There's More!

⌘ I've Found 50 new features in CF Server!

- 12 new features in Studio

⌘ Will highlight some "hidden gems"

Finding Documentation

⌘ Part of problem in appreciating changes:

- spread over 9 different documents!
- some hard to find
- no single resource to pull it all together

Allaire 4.01 Coverage

⌘ 4.01 Update Summary

- <http://www.allaire.com/handlers/index.cfm?ID=10719&method=full&LocationID=324>

⌘ Server 4.01 Release notes for NT:

- couldn't locate on site

⌘ Studio 4.01 Release notes:

- <http://www.allaire.com/Handlers/index.cfm?ID=10025&Method=Full&Cache=Off>

Allaire 4.01 Coverage

⌘ See: <http://www.allaire.com/Documents/cf4docs.cfm>, for:

- CFML and Application Framework Enhancements
- Database, Debugging, and Admin Changes
- Update FAQ
- Documentation Updates (New Docs)
- HomeSite and ColdFusion Studio Offer New Features in 4.0.1

"Undocumented" 4.01

⌘ Allaire 4.01 Documentation Update Page

- ☑ Corrections to printed materials
 - ☑ <http://www.allaire.com/handlers/index.cfm?ID=10429&method=full>
- ☑ Many people missed these changes

"Undocumented" 4.01

- ⌘ Using `CurrentDate()` for `Cfinsert/Update`
- ⌘ New "type" parm for `CFPARAM`
 - ☑ any, array, boolean, date, numeric, query, string, struct, UUID, variable name
- ⌘ New `IsProtected` function
- ⌘ Support for x.509 certificates
- ⌘ And more (see the document)

Hidden Gems: Server

- ☑ `OnRequestEnd.cfm`
 - ☑ like `application.cfm`, but at end of request
- ☑ `ListQualify(list, qualifier, delimiter, elements)`
 - ☑ Puts qualifier (such as ") around list elements
 - ☑ `listqualify("va,md,dc", "")`
 - returns 'va',md',dc'
 - ☑ `listqualify("allaire,1", "", "", "", "CHAR")`
 - returns 'allaire',1

Must be caps

More Hidden Gems: Server

- FORM and URL scopes no longer read only
 - can change with CFSET, CFPARAM
 - can change data prior to CFINSERT/CFUPDATE
- New TYPE="readonly" attribute for CFLOCK
 - use to avoid exclusive lock when not needed
- New PASSTHROUGH attribute for CFFORM, CFINPUT, CFSELECT
 - allows passing style sheet and other parms

More Hidden Gems: Server

- DATECOMPARE has new third parm, datepart
 - s, n, h, d, m, yyyy
 - default is s (full datetime comparison)
- LISTVALUECOUNT(list,value)
 - number of instances of value in list
- STRUCTKEYLIST(structure)
 - list the key names (elements) in the structure
 - (see next page)

More Hidden Gems: Server

- `<cfoutput>#structkeylist(session)#</cfoutput>`
 - SESSIONID,URLTOKEN,LOGGEDIN,CFTOKEN,CFID
- `<cfloop list="#structkeylist(session)#" index="i">`
 - `<cfoutput>`
 - `session.#i# = #evaluate("session."&i)#`
 - `</cfoutput>
`
- `</cfloop>`
 - session.SESSIONID=COFFEEVALLEY_26_69359700
 - session.URLTOKEN=CFID=26&CFTOKEN=69359700
 - session.LOGGEDIN=1
 - session.CFTOKEN=69359700
 - session.CFID=26

Still Many, Many More

- ⌘ Have showed here 25 new features
- ⌘ Still 25 more!
- ⌘ Will document them all later, or you can look at the documents I showed before

- ⌘ Let's look at the Studio features

Hidden Gems: Studio

- ⌘ Updated Tag Editors ← Not in Handout
- ⌘ F1 on tag, function will call up help
- ⌘ Ctrl-Shift double click to select tag
- ⌘ Help system uses Verity for search
- ⌘ Options>Settings>Outline Current Line
- ⌘ Can surround code with pounds: CTRL+3
- ⌘ Warning about using Design Mode w/ CFML

More Hidden Gems: Studio

- ⌘ Can create and delete folders on FTP/RDS
- ⌘ When saving on remote server, last character no longer duplicated
- ⌘ FTP server can be configured as "relative from server-assigned directory"
 - initial dir relative to web root,
 - or server-specified user directory

More Hidden Gems: Studio

⌘ File Open/Save dialogs respect keyboard

- using Enter key to select subdirectories

⌘ Resource Tab columns widths preserved

⌘ File/Save As

- will save to dir. of current file being saved
- or to path specified in local files tab
 - depending on "display current local folder in file dialogs" in options>settings>general

Gotcha's in 4.01

⌘ CFAPPLICATION now requires a NAME

⌘ CFABORT no longer stops compilation, just execution

- if comp. error would occur in code following CFABORT, will now get comp. Error
- previously, comp. would stop at CFABORT

⌘ New Session.SessionID variable

- Application_Name+CFID+CFTOKEN

Gotcha's in 4.01 (cont)

⌘ Studio "access violation" errors

- occurs in certain configurations
- Allaire has solved with patch, for 4.01 ONLY
- KB article 11868

⌘ Tag Editor screwups

- checkbox with no value
- textarea with no rows, cols
- and more

Documentation Changes

- ⌘ New "Using Studio", "Quick Reference"
- ⌘ Revised "Getting Started", "Administering CF Server"
- ⌘ "Advanced CF Development" folded into others

Finding More

- ⌘ This slide show and url's to docs will be on Systemmanage site
- ⌘ Will develop article to expand on some of these (in limits of article length)
- ⌘ Will develop web page to detail all 50+ in server and the 12 in Studio
