

INSTALLING COLDFUSION 2021: CHOICES, CHALLENGES, AND SOLUTIONS



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- ▶ What we will cover
 - ▶ Finding, downloading CF installers
 - ▶ Running full (“gui”) installer, installer choices
 - ▶ New “zip” installation option, cinstall script, packages
 - ▶ New activation, when licensing CF2021
 - ▶ More, including resources to learn more
- ▶ What we won't cover today
 - ▶ What's new in CF2021, why consider moving to it
 - ▶ Compatibility issues
 - ▶ Migration of admin settings
 - ▶ And still more that we could

- ▶ I 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**)
 - ▶ **Solve most problems in less than an hour**, teaching you also as we go
 - ▶ **Satisfaction guaranteed**
 - ▶ More on rates, approach, etc at carehart.org/consulting
- ▶ But to be clear, I'm not selling anything in this session! 😊

- ▶ Presentation online at carehart.org/presentations
- ▶ Links included in this talk may be tiny font, to fit all on one line

ABOUT ME

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- ▶ Visit *coldfusion.com*
 - ▶ Choose free trial or developer edition (same installer for these or licensed CF)
 - ▶ Login, fill in form
 - ▶ For your OS, choose full or zip installer
- ▶ Those who buy CF can find installers at *licensing.adobe.com*
 - ▶ Or can use steps above (again, same installer whether licensed or “free”)
- ▶ Some might want to consider *cfmlrepo.com* as alternative
- ▶ I will discuss later still other alternatives to “installing” CF

FINDING/DOWNLOADING CF INSTALL FILES

- ▶ Traditional installer
 - ▶ Windows
 - ▶ Linux
 - ▶ MacOS
 - ▶ Solaris
- ▶ Several pages of choices to consider, which we will consider
- ▶ helpx.adobe.com/coldfusion/user-guide.html/coldfusion/installing/installing-the-server-configuration.ug.html
- ▶ Demo

RUNNING FULL (“GUI”) INSTALLER

- ▶ Each of these is worthy of their own session
 - ▶ CF/Web server configuration
 - ▶ Web server configuration
 - ▶ CF Lockdown
- ▶ Now on to new “zip install” option...

OTHER TOPICS

- ▶ Now modular design reduces size of “install” file to ~150mb
 - ▶ Implements “core” engine, option to add other packages (more here soon)
- ▶ Size on disk (for core packages) reduced by **~300%**
 - ▶ Runtime memory (for core engine) reduced by **~350%**
 - ▶ Startup time (of core engine) decreased by **~400%**
 - ▶ helpx.adobe.com/coldfusion/user-guide.html/coldfusion/using/coldfusion-package-manager.ug.html
- ▶ Zip also offered for Windows, Linux, MacOS, Solaris
- ▶ Need to unzip the file, then unzip what’s in that, a ColdFusion folder
 - ▶ Then run **cfinstall** in its bin folder
 - ▶ Which makes a few prompts to configure and optionally enable svc for CF
- ▶ Demo

“ZIP INSTALL” OPTION

- ▶ Does not install Visual C++ 2012 redistributable run time
- ▶ Does not cause running of migration wizard on first Admin launch
 - ▶ See helpx.adobe.com/coldfusion/user-guide.html/coldfusion/using/install-coldfusion-2021.ug.html#main-pars_header_607718620
- ▶ Does not implement DotNet, Solr/PDFg services (can download, install them)
- ▶ Does not implement CF's sample (Derby) databases

- ▶ Let's wrap up with some related topic...

“ZIP INSTALL” GOTCHAS

- ▶ Can be done either from command line, via Admin, or as Docker env var
 - ▶ Via cmd line, new **cfpm** script (bat or sh, in cfusion/bin folder)
 - ▶ Can run interactively or not, with several commands (see docs below, cli help)
 - ▶ Available feature to scan your code to identify (and even install) needed packages
 - ▶ Available downloadrepo command, for those in offline environments
 - ▶ In CF Admin, new “package manager” section on lower left
 - ▶ See its two pages, “Packages” and “Settings”
 - ▶ In 2021 Docker image, new installModules env var (comma-sep list of pkgs)
 - ▶ And related importModules (to name a file listing packages to import)
- ▶ helpx.adobe.com/coldfusion/user-guide.html/coldfusion/using/coldfusion-package-manager.ug.html

INSTALLING “PACKAGES”

- ▶ New cfsetup script (in CF “config” folder)
- ▶ Again, was demo’d during first keynote
 - ▶ Yes, similar to Commandbox CFConfig module
 - ▶ No, not as powerful as it (can’t use it across multiple engines or versions)
 - ▶ But it is valuable for what it does, especially scripted CF2021 installation
- ▶ Note that CF2021 Docker image has new importCFSettings to pull those in
- ▶ helpx.adobe.com/coldfusion/user-guide.html/coldfusion/using/cfsetup-configuration-tool.ug.html

JSON-BASED ADMIN CONFIG-CFSETUP

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- ▶ When you put in a CF2021 license, that will need to be “activated”
 - ▶ Over the internet
 - ▶ Server without internet access will require manual activation
- ▶ New CF Admin section (last one on bottom left) to view/manage this
 - ▶ Including new tab to view Docker image usage (with production license)
- ▶ Activation does NOT apply to free Development or Trial editions
- ▶ helpx.adobe.com/coldfusion/user-guide.html/coldfusion/using/coldfusion-licensing-activation.ug.html

NEW ACTIVATION FEATURE

- ▶ Silent installation
 - ▶ Both traditional installer and “zip install” (cfinstall) can be completely scripted
 - ▶ helpx.adobe.com/coldfusion/using/install-coldfusion-2021.html#Silentinstallation
 - ▶ helpx.adobe.com/coldfusion/user-guide.html/coldfusion/installing/installing-coldfusion-silently.ug.html
- ▶ Docker images (from Adobe and Ortus)
 - ▶ coldfusion.adobe.com/2019/08/getting-started-adobes-coldfusion-docker-images/
- ▶ JEE deployment
 - ▶ helpx.adobe.com/coldfusion/user-guide.html/coldfusion/installing/installing-the-jee-configuration.ug.html
- ▶ Commandbox
 - ▶ ortussolutions.com/products/commandbox

“INSTALL” ALTERNATIVES

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▶ About CF2021

- ▶ carehart.org/blog/client/index.cfm/2020/11/10/
- ▶ community.adobe.com/t5/coldfusion/introducing-adobe-coldfusion-2021-release/td-p/11585468
- ▶ helpx.adobe.com/coldfusion/user-guide.html/coldfusion/using/whats-new.ug.html

▶ About zip installer

- ▶ helpx.adobe.com/coldfusion/using/install-coldfusion-2021.html
 - ▶ Curiously, it no longer talks about full installer, only zip, silent, and JEE
- ▶ helpx.adobe.com/coldfusion/user-guide.html/coldfusion/installing/installing-the-server-configuration.ug.html
- ▶ coldfusion.adobe.com/2020/12/coldfusion-2021-install-experience

ADDITIONAL RESOURCES

▶ Found at carehart.org/presentations

- ▶ “Hidden Gems in CF2021”
- ▶ “Keeping CF (and Java) updated, challenges and solutions”
- ▶ “Differences between ColdFusion Enterprise And Standard”
- ▶ “Getting Started With Adobe CF Docker Images”
- ▶ “What's new in CF 10, 11, and 2016 that you may have missed”

MY RELATED CF2021 TALKS

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- ▶ Hope you may be more informed about installing CF2021
 - ▶ Whether full installer or new “zip install” option/*cfinstall*
 - ▶ Related new features: *cfpm*, *cfsetup*, activation
- ▶ Again, my contact info for follow-up:
 - ▶ Charlie Arehart
 - ▶ charlie@carehart.org
 - ▶ @carehart (Tw, Fb, Li, Slack, Skype, GitHub)
 - ▶ Slides: carehart.org/presentations

SUMMARY