

UPDATING THE JAVA UNDERLYING COLDFUSION



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- ▶ Considering, planning the jvm update
 - ▶ What jvm do you have, what can you update to, why should you...
- ▶ Performing the jvm update
 - ▶ Where to get it, how to install it, how to configure CF to use it...
- ▶ Avoiding various potential gotchas when updating the JVM
 - ▶ Certificate and other TLS issues, licensing, etc. ...
- ▶ How to be made aware of new JVM versions
- ▶ Commandbox fans: it simplifies one of those points but the rest apply to you

- ▶ 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! 😊
 - ▶ Just sharing my experience, and that of others

ABOUT ME

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CONSIDERING, PLANNING THE JVM UPDATE

- ▶ What JVM do you have?
 - ▶ On Java vs jvm vs jdk vs jre
- ▶ What can you update to?
 - ▶ What can you NOT yet update to?
 - ▶ Does CF support other than Oracle Java?
- ▶ Why should you update?
 - ▶ Security fixes, bug fixes, enhancements

PERFORMING THE JVM UPDATE

- ▶ Where to get it
 - ▶ Adobe site, Oracle site
 - ▶ Automated URL?
- ▶ How to install it
 - ▶ Installer vs extracting archive
- ▶ Where to install it
- ▶ How to configure CF to use it
 - ▶ Admin vs jvm.config
 - ▶ How to revert to prior java version
- ▶ Commandbox, Lucee

AVOIDING VARIOUS POTENTIAL GOTCHAS

- ▶ Certificate issues
- ▶ TLS issues
- ▶ Copying in msvc*.dll, on major version change
- ▶ Clearing cf class files, on major version change
- ▶ Java licensing: changes over time; Adobe
- ▶ Beware “public jre” option in Java 8
- ▶ Take care about installer bit-level, OS
- ▶ Beware if running multiple CF instances

HOW TO BE MADE AWARE OF NEW JVM VERSIONS

- ▶ Quarterly Oracle “critical patch” updates
 - ▶ 3rd Tues of Jan, Apr, Jul, Oct
- ▶ Oracle Java release notes
- ▶ Hackmycf (hackmycf.com)
- ▶ Adobe CF forums; community resources
- ▶ My blog, carehart.org

- ▶ Updating the JVM underlying CF is important, can be easy
 - ▶ There are various things to consider first, and beware while doing it
 - ▶ There are various ways to be notified of available JVM updates
- ▶ My contact info for follow-up:
 - ▶ Charlie Arehart
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 - ▶ Slides: carehart.org/presentations

SUMMARY