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
 ABOUT ME

- 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
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 msvcr*.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

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- Slides: carehart.org/presentations