jGridstart
dependency diagram
nov 2012

prepare for running jGridstart from a web browser

to use bouncycastle with java web start, the best approach is to run a wrapper that unpacks them and runs them outside of java web start.
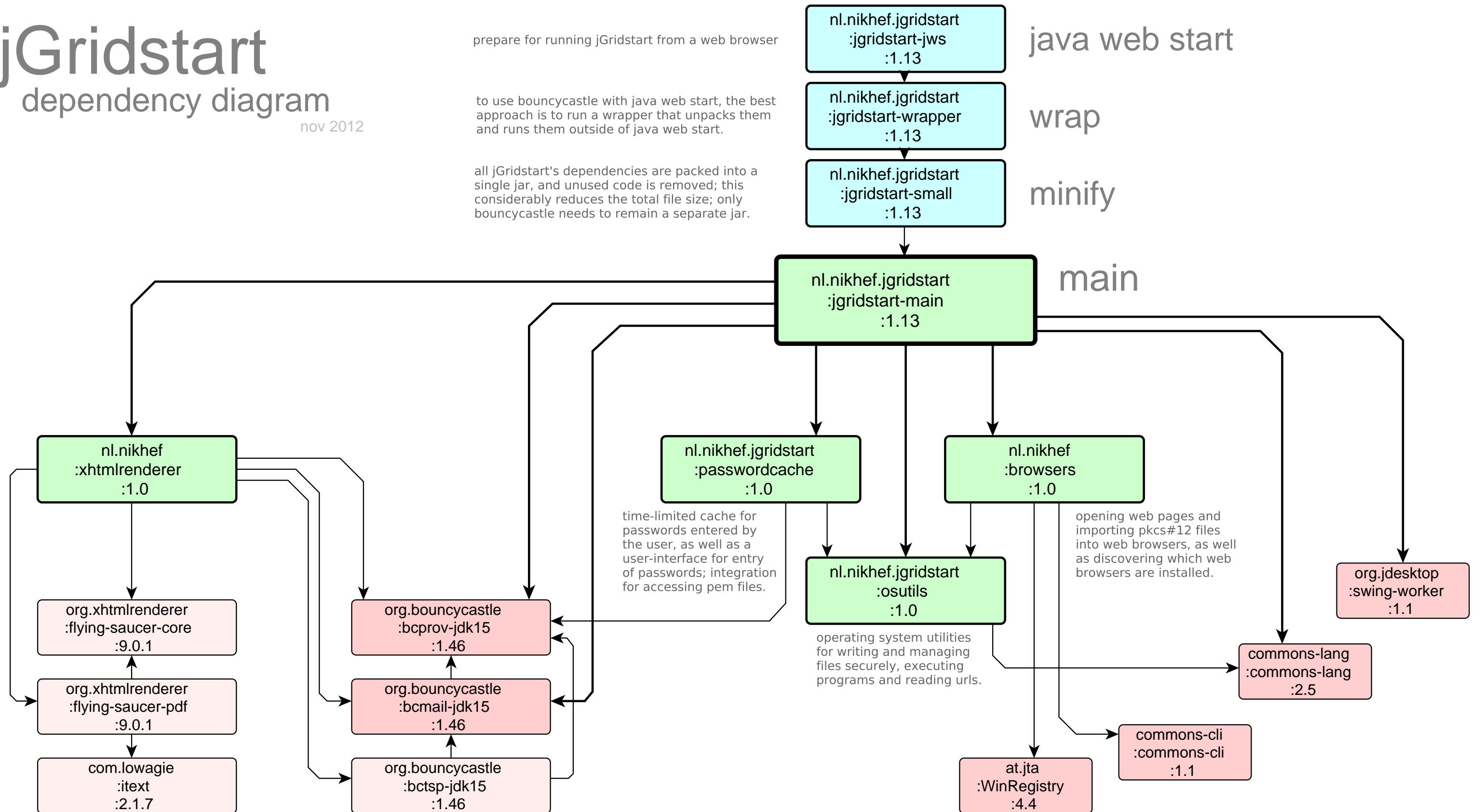
all jGridstart's dependencies are packed into a single jar, and unused code is removed; this considerably reduces the total file size; only bouncycastle needs to remain a separate jar.

nl.nikhef.jgridstart :jgridstart-jws :1.13 — java web start

nl.nikhef.jgridstart :jgridstart-wrapper :1.13 — wrap

nl.nikhef.jgridstart :jgridstart-small :1.13 — minify

nl.nikhef.jgridstart :jgridstart-main :1.13 — main

nl.nikhef :xhtmlrenderer :1.0

nl.nikhef.jgridstart :passwordcache :1.0

time-limited cache for passwords entered by the user, as well as a user-interface for entry of passwords; integration for accessing pem files.

nl.nikhef :browsers :1.0

opening web pages and importing pkcs#12 files into web browsers, as well as discovering which web browsers are installed.

org.jdesktop :swing-worker :1.1

org.xhtmlrenderer :flying-saucer-core :9.0.1

org.xhtmlrenderer :flying-saucer-pdf :9.0.1

com.lowagie :itext :2.1.7

org.bouncycastle :bcprov-jdk15 :1.46

org.bouncycastle :bcmail-jdk15 :1.46

org.bouncycastle :bctsp-jdk15 :1.46

nl.nikhef.jgridstart :osutils :1.0

operating system utilities for writing and managing files securely, executing programs and reading urls.

commons-lang :commons-lang :2.5

commons-cli :commons-cli :1.1

at.jta :WinRegistry :4.4

xhtmlrenderer
xhtml renderer and gui widget to handle parts of the user-interface. nl.nikhef.xhtmlrenderer adds a templating system and some tweaks; lso supports rendering to pdf.

bouncycastle
general-purpose cryptography library used for basically all cryptographic operations like generating certificate requests, reading/writing pkcs#12 files and signing certificate renewals.

registry
accessing the windows registry using a pure-java library; used for finding the default system web browser.

commons
often used utility libraries for parsing command-line options and things like array conversion.

worker
using a worker-thread with a swing gui that responds to updates.

initial diagram created by running mvn com.github.janssk1:maven-dependencygraph-plugin:1.1:graph on jgridstart-jws