

NetBeans 9 & Java 9

- Mehr als die Summe der Teile -



About Me



- System Engineer
@ Airbus Defence and Space
- Founder and Leader of JUG Bodensee
- Member of the NetBeans Dream Team
- Member of NetBeans Community Acceptance Testing
- Duke's Choice Award Winner
- Java One Content Committee
- Java Champion
- JCP Associate Member



Agenda

- Introduction to Jigsaw aka JPMS
- NetBeans and JPMS
- NetBeans and jlink
- NetBeans and JShell
- NetBeans and MR-Jar's



How to get started

- Download Apache NetBeans CI builds from

<https://builds.apache.org/job/incubator-netbeans-linux/>

- Download latest JDK9 from

<http://jdk.java.net/9/>



Introduction to Jigsaw aka JPMS



Introduction to Jigsaw

- Reliable configuration
 - to replace the brittle, error-prone class-path mechanism with a means for program components to declare explicit dependences upon one another



Introduction to Jigsaw

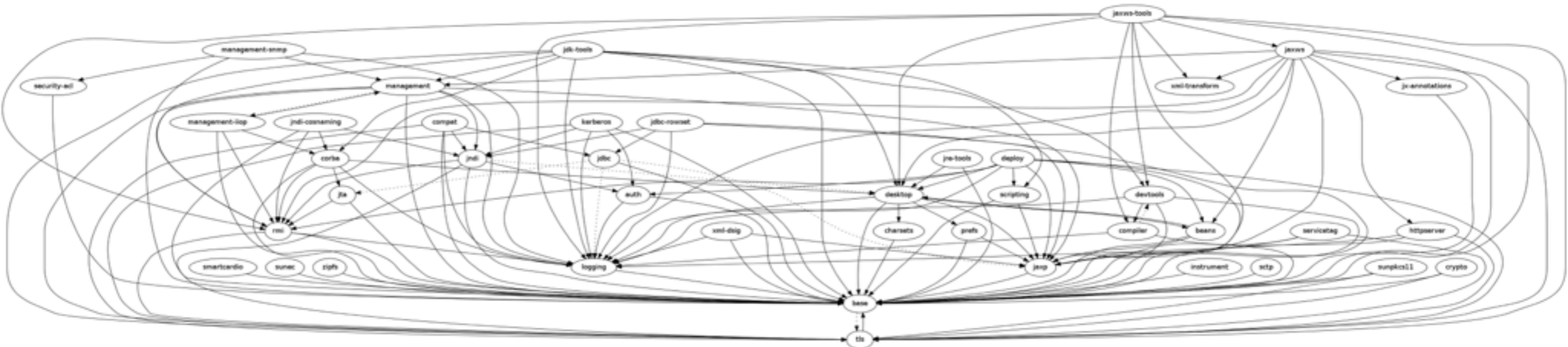
- Strong encapsulation
 - to allow a component to declare which of its public types are accessible and which are not



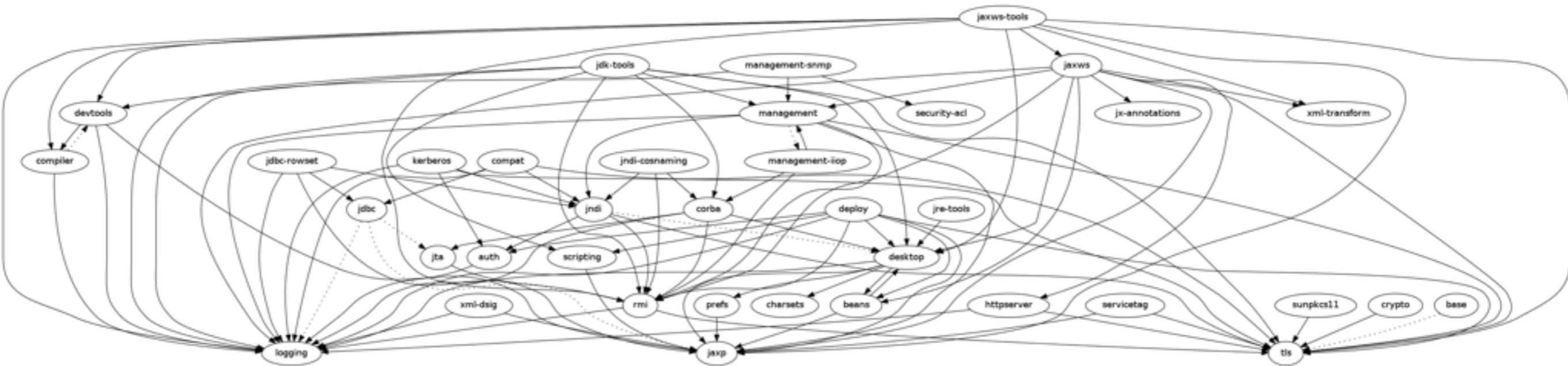
JDK Modularization I



JDK Modularization II



JDK Modularization III



The Module Declaration

- [open] *module*
- exports *package*
- opens *package*
- requires [transitive|static] *package*
- provides *class* with *class*
- uses *class*



Apache NetBeans 9 & Java 9 Demo



New in NetBeans 9

- All Details here

<https://cwiki.apache.org/confluence/display/NETBEANS/NetBeans+9.0+-+New+and+Noteworthy>



References

- JSR 379
<http://openjdk.java.net/projects/jigsaw/spec/>
- JIGSAW
<http://openjdk.java.net/projects/jigsaw/doc/jdk-modularization.html>
- State of the Module System
<http://openjdk.java.net/projects/jigsaw/spec/sotms/>

