





CON7050

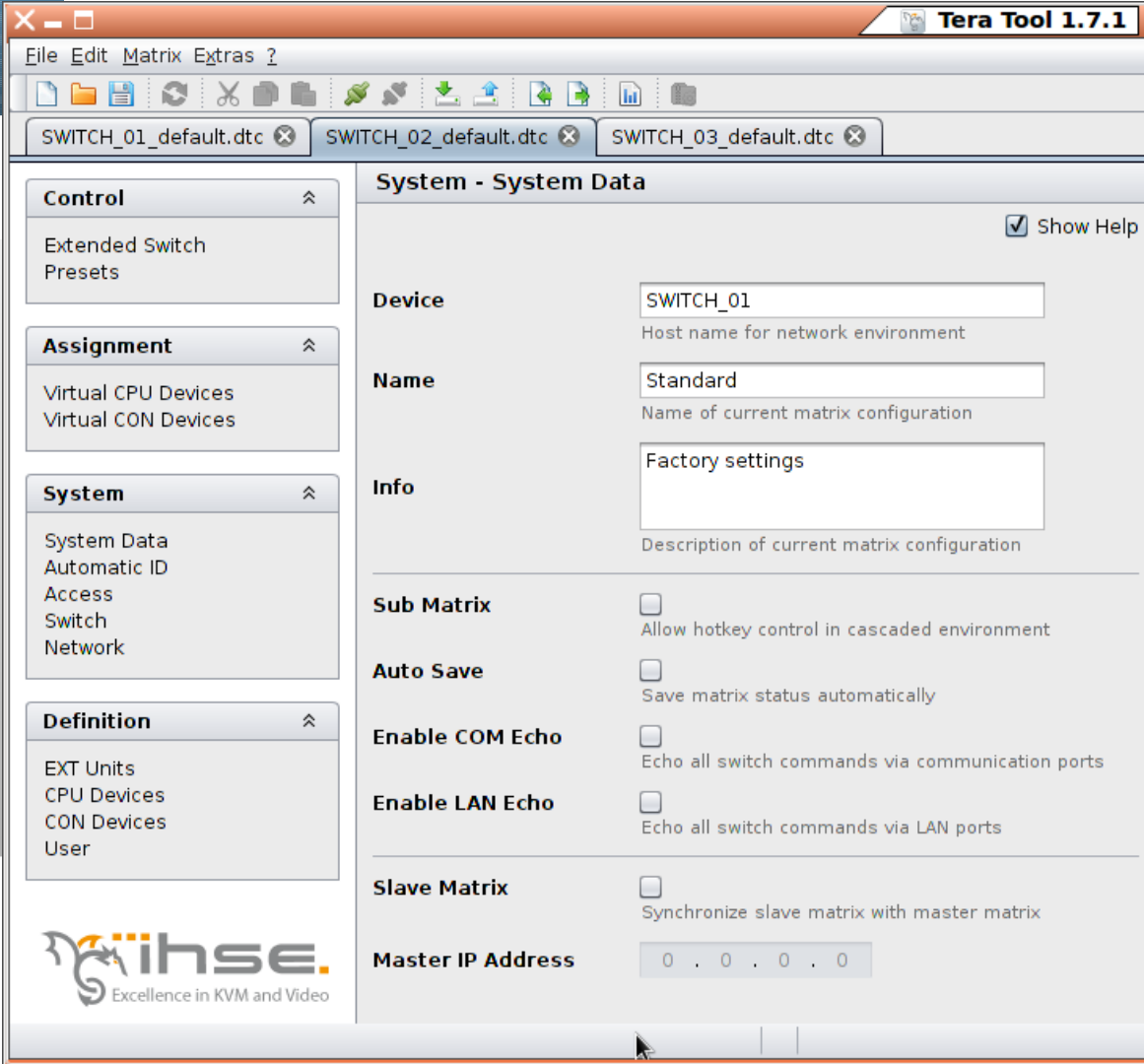
How My Life Would Have Been So Much Better If We Had Used the NetBeans Platform

MAKE THE
FUTURE
JAVA

ORACLE®

Program Agenda

- Introduction to the Application
- Architecture
- Missing Architecture
- Next Steps
- Related Presentations @ JavaOne



<http://www.ihse.de>

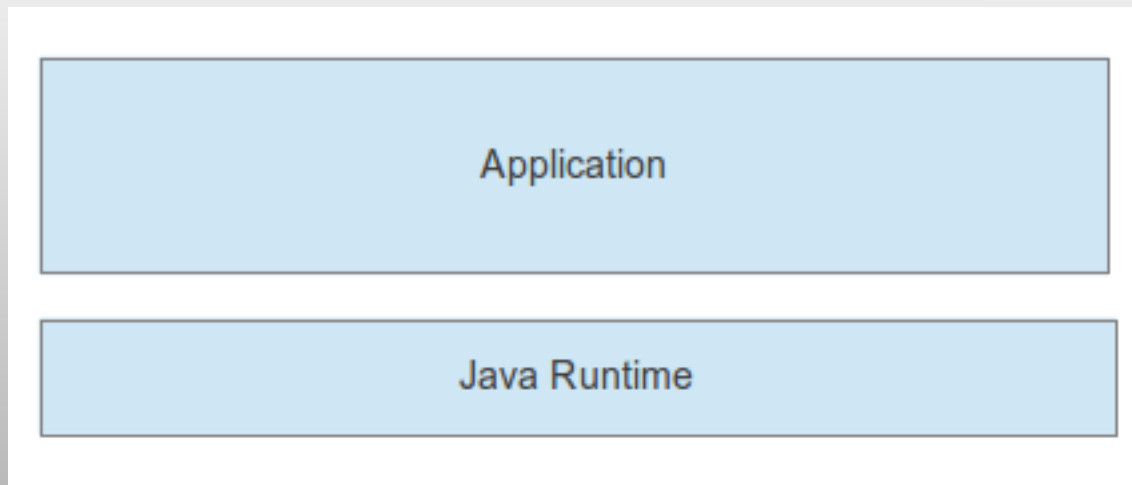
- Device Configuration
- Multiple configurations
- Create/Store/Open
- Cross operating system



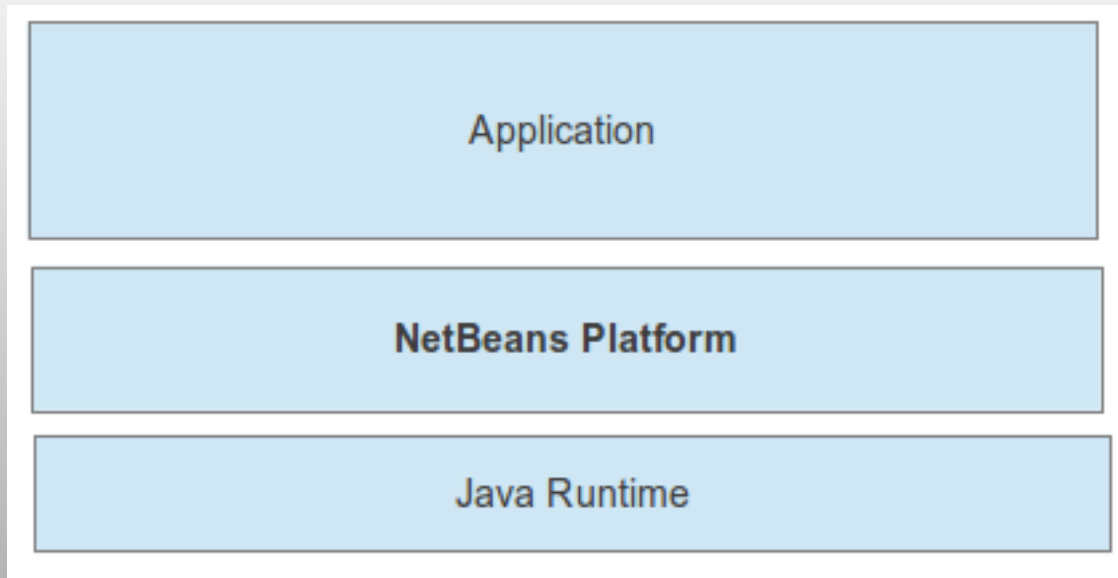
JavaOne™

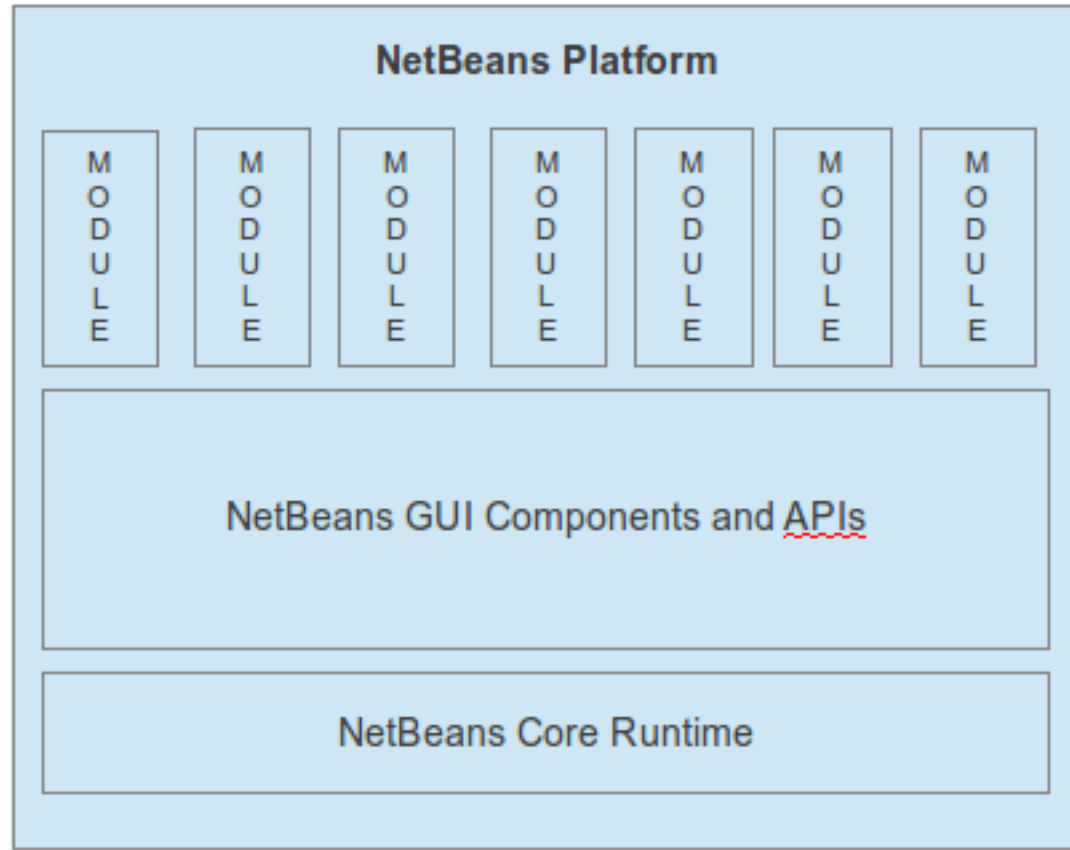
ORACLE®

Architecture

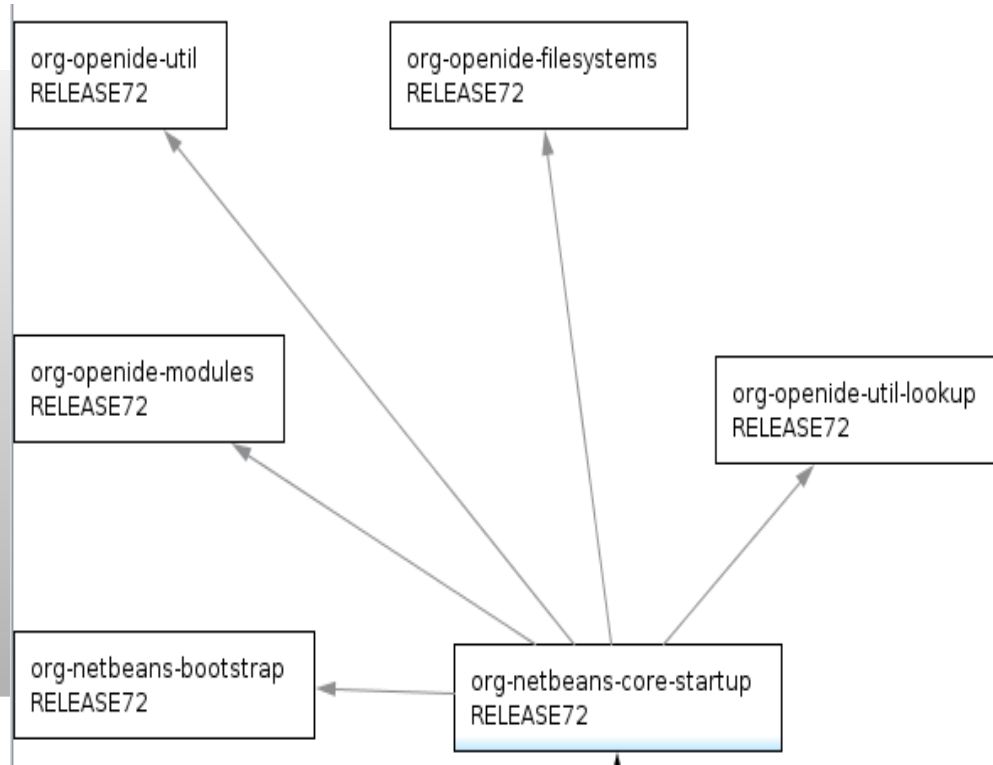


Missing Architecture





NetBeans Core Runtime



The only mandatory pieces of the NetBeans Platform.

NetBeans Core Runtime

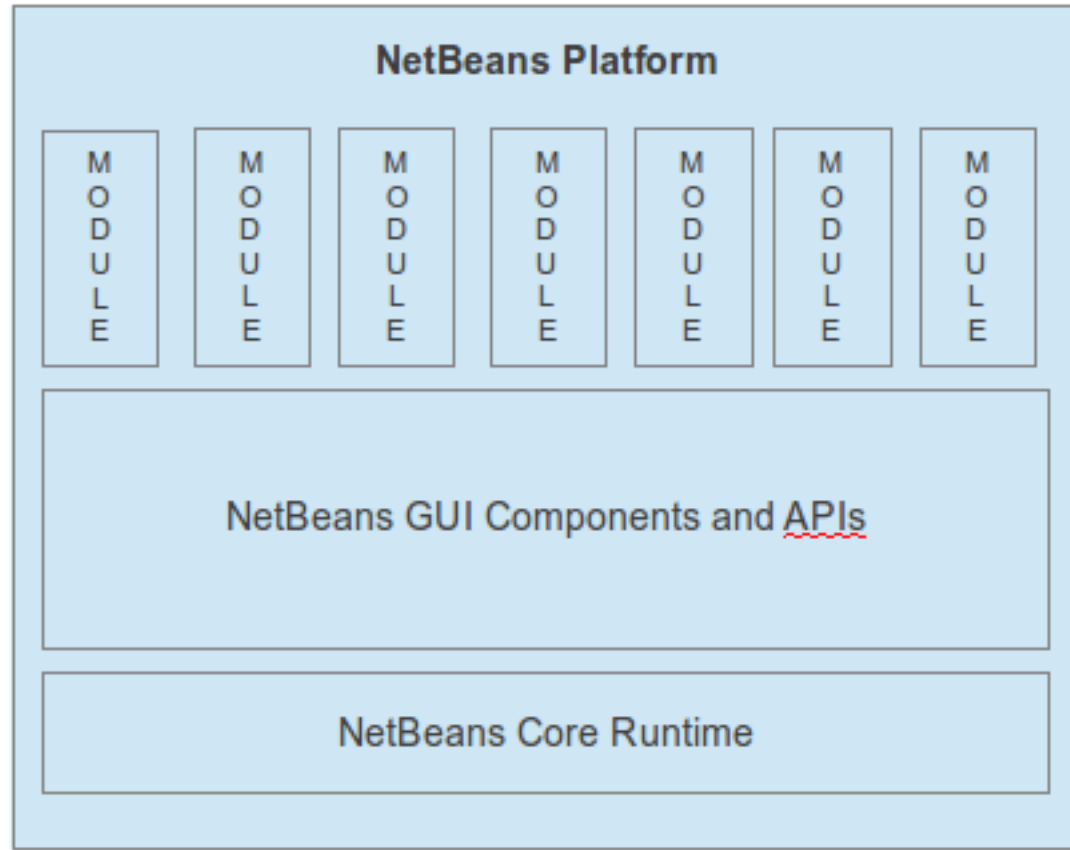
- Startup sequence
- Module system
- Application virtual file system
- Loosely coupled communication mechanism



Advantages of NetBeans Core Runtime

- Organize features into modules.
- Provide different distributions to different users.
- Version each feature, simpler to track change in application.
- Possibility to create clean APIs and extension points.
- Mechanisms for listening to events across modules.
- No need to write startup/shutdown sequence.





NetBeans GUI Components and APIs

- **Windowing framework.** Undockable/Resizable/Persistent window components.
- **Selection management.** Mechanism to synchronize multiple views on common data.
- **Business object visualizers.** Very quickly work on domain level of application.
- **Action framework.** Mechanism for displaying menu items and toolbar buttons consistently.
- **Supporting mechanisms.** Customization dialogs, JavaHelp support, Update mechanisms, Installer generators



Demos

- **Windowing framework.**
- **Selection management.**
- **Business object visualizers.**
- **Action framework.**
- **Supporting mechanisms.**

JavaFX

- Natively NetBeans Platform is a Swing application framework.
- JFXPanel from JavaFX can be embedded in NetBeans Platform windows.
- Integrate JavaFX charts, JavaFX WebView, etc...
- CSS Stylesheet support for JavaFX interesting for NetBeans Platform apps.
- Using JavaFX together with Swing, migrate components as needed.
- JavaFX is icing on an application, but an application needs more than icing.



Conclusion

- NetBeans Platform is an application framework for the Java desktop.
- Very widely used in large applications and organizations.
- Stable and free, used in several Oracle products too.
- Many books, tutorials, training courses, support options.
- NetBeans Platform courses in-house or in general courses.
- Use it today!

Next Steps

- <http://platform.netbeans.org>
- <http://platform.netbeans.org/screenshots.html>
- geertjan.wielenga@oracle.com

Related Presentations @ JavaOne

- Today:
 - 15:00 CON5784: Rich Clients with JavaFX and the NetBeans Platform
- Tomorrow:
 - 11:30 CON6139: Lessons Learned in Building Enterprise and Desktop Applications with the NetBeans IDE
- Wednesday:
 - 13:00 CON3826: Patterns for Modularity: What Modules Don't Want You to Know
- Thursday:
 - 12:30 CON4952: NetBeans Platform Panel Discussion

