



JAVA™ COMPILER

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About Peter

- <http://blogs.sun.com/ahe/>

History of the Compiler

- Based on GJ (Pizza)
- Acquired by Sun (JDK 1.3)
 - > Generics disabled before shipping
- JDK 1.4 (asserts)
 - > Generics still disabled
- JDK 5.0 (Generics and more)
 - > Generics enabled
- JDK 6 (Compiler API, new class file format)
 - > No new language features
- Open sourced in November

Future of the Compiler

- Language features
 - > Modularity, JSR 294
 - > Annotations on types, JSR 308
 - > More to come...
- Compiler API
 - > Improve IDE integration (NetBeans 6)
 - > Static code analysis
 - > Code reengineering (The Jackpot Project)

How to Help

- Report bugs
- Translate diagnostics
- Write documentation
- Sample code
- Prototype language feature proposals
- Profile, improve speed
- API improvements
- Suggestions welcome!

Java™ Community Process

- One common language used by millions
- Help keep it that way
 - > Only ship products that adhere to the JLS
- Work within the JCP
 - > Participate in a JSR
- Prototypes are great!
 - > Clearly state it is experimental and not Java technology (yet)

Kitchen Sink Language

- Experimental branch of the compiler
- Place to experiment
 - > Not only on language features
- Create your own language
 - > Source files that does not end in .java ;-)

Resources

- Community
 - > <https://openjdk.dev.java.net/compiler/>
 - > <https://ksl.dev.java.net/>
 - > <http://jcp.org/>
- Peter's Blog
 - > <http://blogs.sun.com/ahe/>
- Compiler Archeology
 - > <http://pizzacompiler.sourceforge.net/>
 - > <http://lamp.epfl.ch/pizza/gj/>



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