

HotSwap

- HotSwap is the technology in HotSpot JVM that is tailored at updating class definitions at runtime
- HotSwap adds functionality to the Java Platform Debugger Architecture (JPDA) to allow a class to be updated while under the control of a debugger
- Once an application is started in a debug mode, the IDE can trigger class redefinition in a running JVM by utilizing JPDA.

HotSwap is not a feature of an IDE, it is the ability of a JVM that you use

Limitations of HotSwap

It is limited only to updating statements of code inside methods.

Can't change method signatures, can't add new methods, fields, etc.

HotSwap examples

1. Locally: in running method
2. Locally: in separate method
3. Remotely: in separate method

Remote debug

`-Xdebug -Xrunjdw:server=y,transport=dt_socket,address=4000, suspend=n`