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.

Remote debug

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