Just-in-time compilation (JIT)

In computing, **just-in-time (JIT) compilation** (also **dynamic translation** or **run-time compilations**) is a way of executing computer code that involves compilation during execution of a program (at run time) rather than before execution. This may consist of source code translation but is more commonly bytecode translation to machine code, which is then executed directly. A system implementing a JIT compiler typically continuously analyses the code being executed and identifies parts of the code where the speedup gained from compilation or recompilation would outweigh the overhead of compiling that code.[1]

[1]
https://en.wikipedia.org/wiki/Just-in-time_compilation

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