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Profiling

dynamic program analysis that measures the space or time complexity of a program

Snippet from [Wikipedia](#): **Profiling (computer programming)**

In software engineering, **profiling** ("program profiling", "software profiling") is a form of dynamic program analysis that measures, for example, the space (memory) or time complexity of a program, the usage of particular instructions, or the frequency and duration of function calls. Most commonly, profiling information serves to aid program optimization, and more specifically, performance engineering.

Profiling is achieved by instrumenting either the program source code or its binary executable form using a tool called a *profiler* (or *code profiler*). Profilers may use a number of different techniques, such as event-based, statistical, instrumented, and simulation methods.

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[method](#), [programming](#), [devopsverify](#)

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