



# dotTRACE 2.0

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## The Fast And Efficient Profiler for .NET

JetBrains dotTrace is a comprehensive profiling solution for .NET developers. It offers fast and efficient performance and memory profiling of .NET applications, including ASP.NET applications running on Internet Information Server, as well as Windows Services. dotTrace Profiler lets you locate the performance bottlenecks in your application, optimize memory usage, or find memory leaks – faster than you could ever imagine. Detailed profiling results are conveniently stored in snapshots for easy inspection at any time – not just when you are profiling. Multiple snapshots can be taken and opened at the same time, letting you compare performance snapshots and/or application memory states. The friendly program interface features effective navigation, easy filtering, smart search options and a handy source view.

## Key benefits

### Speed and Intelligence

- Save your time profiling with the fastest tool in the market
- Quickly discover the root of the problem with dotTrace's analysis and powerful filtering, searching and navigation features

### Usability and Clarity

- Examine any aspect of your application with the help of multiple helpful views
- Don't spend time switching back-and-forth between the keyboard and mouse – simply use dotTrace's search and navigation shortcuts

### Versatility

- Profile performance OR memory to get an inside look at your application's behavior
- Open dotTrace right from Visual Studio and easily navigate to opened source files
- Control dotTrace and its powerful features from within your application by using its Profiling API
- Integrate automated profiling into your daily build process with simple command line options

## Testimonials

*I have tried many performance tuning tools over the years, including many for .NET... JetBrains' .NET profiler is the most intuitive and useful tool for finding the slowest part in your .NET application. Every developer should do themselves a favor and run their application through this tool at least once to see the slowest part of their application. It has no problem making it into my Top 10 most valuable .NET utilities <http://www.ssw.com.au/ssw/standards/DeveloperGeneral/netTools.aspx>*

**Adam Cogan**, SSW Chief Architect and Microsoft Regional Director, Australia

### System requirements

**Processor:**

IA32 or X64 architecture

**Memory:**

Minimum: 512 Mb

Recommended: 1 Gb

Disk space: 40 Mb

**Operating System:**

Microsoft Windows 2000,  
XP or 2003 Server

**Software installed:**

Microsoft .NET  
Framework 1.1 or 2.0

Internet Explorer 6

Memory profiling works  
only with Microsoft  
.NET Framework 2.0  
applications

## Features

### Memory profiling

dotTrace offers several ways to profile memory. You can dump memory at any time while profiling or take a “difference” snapshot to compare two application memory states at different times. Garbage operations are fully recorded, making sources of excessive GC operations plain to see.

### Performance profiling

dotTrace’s extremely low overhead and helpful views such as Call Tree and Hot Spots make for much easier and faster performance profiling. Performance optimization is facilitated with an automatic snapshot comparison feature.

### Multiple snapshots

You can view any number of snapshots side-by-side to compare and contrast function timings or memory dumps.

### Integration with Visual Studio

With a click of a button you can profile the executable project opened in your solution in Visual Studio. JetBrains ReSharper[™] users are also able to profile unit tests right from Visual Studio.

### Filtering

dotTrace helps you look at everything you want to and nothing you don’t. Focus on subsystems, apply predefined and customized filter patterns, collapse recursive call chains, and much more.

### Search

Find any function, object, class or namespace with handy Search features. Locate all occurrences of a function or object within the current view and walk between them by pressing F3/Shift+F3.

### Source view

dotTrace automatically locates the underlying source code, and lets you quickly navigate to a selected function. You can manually specify the appropriate source code location, or navigate to available source files in Visual Studio.

### Command line options

You can profile applications, open snapshots and generate reports from any batch script, using command line options

### Profiling API

Use advanced profiling scenarios by controlling the profiler from within the application being profiled, with the help of our Profiling API