

Borland® Optimizeit™ Profiler

for the Microsoft® .NET Framework

Frequently Asked Questions

General Questions

What is Borland® Optimizeit™ Profiler for Microsoft® .NET Framework?

Borland® Optimizeit™ Profiler for Microsoft® .NET Framework is designed to help developers efficiently pinpoint performance and reliability issues in .NET managed code. An essential for managing performance risks throughout the development process and for producing fast and reliable applications, Optimizeit Profiler makes it easier for developers to efficiently find, prioritize, and fix performance challenges such as memory leaks, excessive object allocations, and performance bottlenecks.

Why is performance management so critical for .NET applications?

The .NET framework is built on a multilayered technology stack that provides many benefits including language independence and interoperability, managing Microsoft C#,® Visual C++,® and Visual Basic.NET written code through the Common Language Runtime (CLR). This technology layer is built to shield developers from the components of .NET, reducing the time, cost, and expertise required to build and deploy applications.

Because .NET provides a higher level of abstraction, developers are afforded only a limited understanding of—and control over—the way their code gets executed. The regular use of performance tools throughout the development process is critical for keeping performance and reliability issues under control as well as for producing fast, scalable applications on the .NET framework.

What performance hazards do I need to look out for when developing .NET applications?

When developing applications for the .NET Framework, the higher level of abstraction of the CLR can cause code to behave in unexpected ways at runtime. In particular, developers should be aware of the certain performance issues that may impact their code. Performance bottlenecks, memory leaks, and excessive temporary object allocation are key examples of issues that can cause application slow-downs and even deployment disasters.

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When will Optimizeit Profiler be available?

Optimizeit Profiler is available for purchase directly from <http://www.borland.com>. ISVs, OEMs, VARs, and other volume buyers should contact Borland sales. To find the Borland office nearest you, please visit:

<http://www.borland.com/company/contact/where-to-buy.html>

How do I try Optimizeit Profiler?

Optimizeit Profiler is available for evaluation by downloading a 5-day trial from http://www.borland.com/opt_profiler/. The download will be available at the end of February 2003.

Where can I find more information on Optimizeit Profiler?

More information about Optimizeit Profiler is available on the Borland Web site at:

http://www.borland.com/opt_profiler/

The Borland .NET community supports several widely used newsgroups that may be accessed through the developer community site at: <http://bdn.borland.com>

Are product manuals available for Optimizeit Profiler?

Optimizeit Profiler includes complete electronic documentation that is available with the product.

How do I receive training for Optimizeit Profiler and other Borland products?

The global Borland Professional Services organization helps drastically reduce time to deployment by focusing the full strength and value of our specialized knowledge and experience onto the challenges facing development and deployment. Borland delivers a variety of superior training, mentoring, and consulting options designed to expand your skills and help you rapidly leverage the technologies shaping professional development today. Ensure that the investments you make in Borland technology meet your business objects: for more information, please visit <http://www.borland.com/services/index.html>.

Can Borland Professional Services provide onsite consultation to analyze the performance of my .NET applications?

Yes. Borland Professional Services organization offers .NET performance management services to enterprise clients around the world. The services provided are customized to meet your needs. Verify that your .NET applications meet your business objects: for more information, please visit

<http://www.borland.com/services/index.html>

Technical Questions

What are the key capabilities that Borland® Optimizeit™ Profiler for Microsoft® .NET Framework provides?

The key capabilities of Optimizeit Profiler includes:

- High-level CLR performance overview
- Real-time monitoring of object allocations
- Garbage collection control
- CPU profiling
- Data saving and report generation

Can Optimizeit Profiler be used to profile any .NET managed code?

Yes. Optimizeit Profiler fully supports the Common Language Runtime (CLR) for comprehensive performance profiling. This allows you to test the performance and reliability of any .NET managed code such as C#, Visual C++ and Visual Basic.NET.

Which operating systems does Optimizeit Profiler support?

Optimizeit Profiler supports Windows® 2000 (SP3) and Windows XP™ (SP1)

Which programming languages does Optimizeit Profiler support?

Optimizeit Profiler supports all languages that produce managed code to be run with Common Language Runtime (CLR) of the Microsoft .NET Framework. The supported languages include Visual Basic.NET, Visual C++.NET, Visual C#.NET and Visual J#.NET, ASP.NET and JScript.NET.

Can Optimizeit Profiler help me to track down memory leaks?

Yes. Optimizeit Profiler is built to provide a comprehensive memory profiler that allows you to quickly pinpoint objects that have not been garbage-collected.

Do I need to recompile my code to run my application with Optimizeit Profiler?

No, recompilation or code modification is not required to run your application with Optimizeit Profiler.

Do I need the source code to use my application with Optimizeit Profiler?

Optimizeit Profiler enables you to test the performance and reliability of any .NET code without the need for source code, although this is useful to highlight specific lines of code.

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Can Optimizeit Profiler be used to test third-party libraries for which I don't have the source code?

Yes. Optimizeit Profiler provides the information for any non-filtered classes of the CLR.

What is the overhead of running Optimizeit Profiler?

Optimizeit Profiler is designed to incur very low overhead to have a minimum impact on the performance of the application. Overhead can be further reduced by modifying settings in the Preferences Panel to achieve a minimum overhead that allows you to use Optimizeit Profiler throughout the development cycle and even in production.

What are the minimum system requirements for Optimizeit Profiler?

- 128 MB RAM recommended minimum
- 256 MB RAM recommended
- 60 MB hard disk space recommended minimum (includes space required during installation)
- CD-ROM drive
- SVGA or higher resolution monitor (800x600, 256 color)

Windows

- Intel® Pentium® II/233 MHz or compatible
- Microsoft® Windows® 2000 (SP3), Windows XP™ (SP1)
- Microsoft .NET Framework 1.0 (SP2)

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