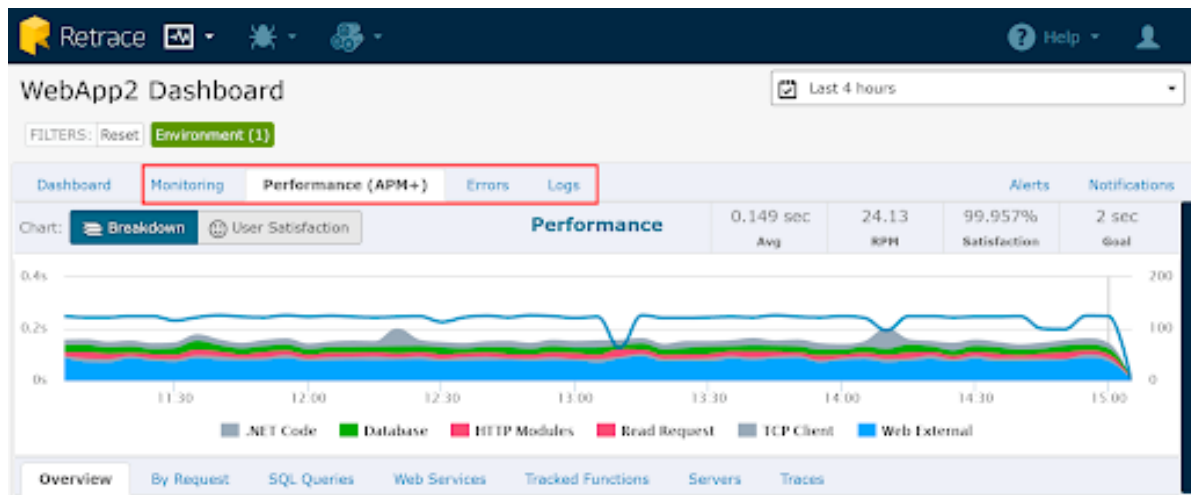


Retrace - The Full Lifecycle APM Solution

Catching application performance issues in production environments is necessary, but can be too little, too late. Your ideal full lifecycle APM solution should be flexible enough to provide value well before prospects, customers and internal users are relying on your applications to further business objectives. Retrace is the high-value full lifecycle APM solution that helps DevOps keep applications humming with end-to-end observability in production environments and is ideal for troubleshooting, debugging and optimizing applications in staging, QA and even development.



With key performance metrics at your fingertips, Retrace proactively identifies more issues in QA and helps you continuously improve application performance in production environments

What is Retrace?

A comprehensive yet easy-to-use SaaS application monitoring solution, Retrace combines full-featured APM capabilities with the top tools and capabilities your IT team needs most to help eliminate bugs and performance issues before impacting users. Retrace provides end-to-end application visibility and enhanced troubleshooting at the code level across hybrid, cloud and on-premises environments, plus:

Detailed App Tracing - code-level traces of what your code is doing

Centralized Logging - aggregation, searching and management

Application Error Tracking - aggregation, reporting and alerting

Critical Metrics Monitoring - server, application and user-defined metrics

Fully Integrated Alerts - robust monitoring and alert capabilities

Real User Monitoring - complete performance statistics on every request and response

Deployment Tracking - confirm application updates produce intended results

Why Retrace?

By extending usability beyond traditional APM functionality, Retrace provides greater value than competitive products. Retrace full lifecycle APM simplifies how DevOps teams optimize and manage applications from development through deployment, support and maintenance. By providing a single tool for ensuring high-performance applications in every stage, Retrace frees time for your IT team to engage in strategic business initiatives and satisfies the top business imperatives enterprise leadership constantly ask for from IT:

- Ensure a consistently great user experience - internally & externally
- Reduce recurring operational costs
- Extend the life of IT equipment while driving continuous improvements
- Minimize administrative burden and costs

Who Benefits?



IT Leadership - Retrace equips IT teams with a single, best-in-class tool that supports business objectives, increases efficiency and saves money. The combination gives IT leadership the peace of mind to focus on more strategic initiatives that further improve business results.



IT Operations - By tracking deployment outcomes, optimizing production application performance and reducing MTTR, Retrace simplifies how IT operations deliver a great user experience and reduces administrative burden.



Developers - Retrace consolidates the high-use tools developers need most, simplifying how developers proactively resolve issues in QA and continuously improving application performance in production environments and even in development.

How Retrace Works

Retrace collects huge amounts of data about application health and presents that data in easy-to-use, customizable dashboards for optimizing both application performance and IT productivity. By identifying bugs and performance issues before applications are released to production, Retrace removes the guesswork in application monitoring, troubleshooting and optimization, enabling IT teams to work more efficiently and effectively. Whether it's your first day on the job or you've been supporting the same applications for years, Retrace makes delivering a great user experience easy and simple.

Detailed Application Tracing

Retrace collects detailed performance data and provides the most detailed transaction traces for quickly identifying bugs and performance problems at the code level.

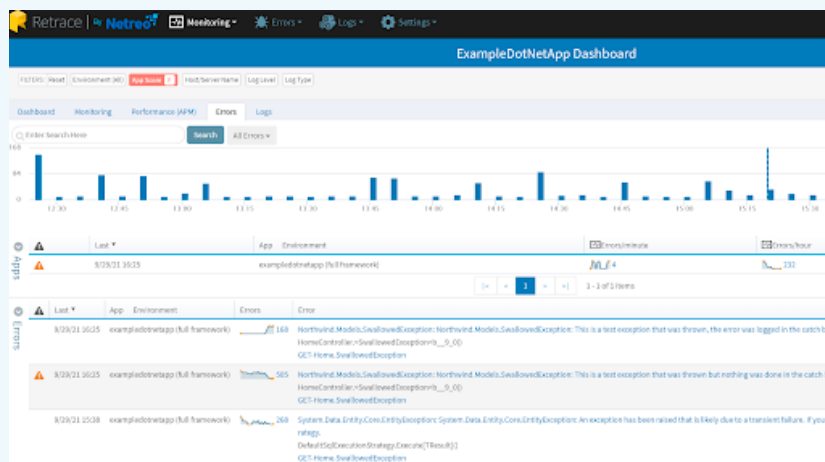
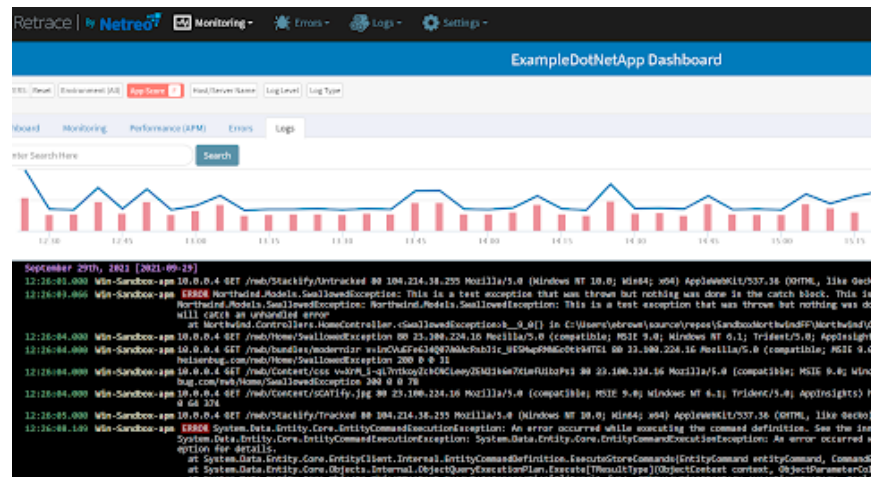
- Web request info like URL, resources, etc.
- Key methods in your code
- What dependencies did your code call (SQL, caching, HTTP calls, etc.)
- Application errors
- Logging statements

Took (ms)	From (ms)
0	0
0	0
0	0
0	1
32	1
SqlCommand.ExecuteReader SELECT Supplier, Records: 29	
<pre>SELECT [Extent1].[Id] AS [Id], [Extent1].[CompanyName] AS [CompanyName], [Extent1].[ContactName] AS [ContactName], [Extent1].[ContactTitle] AS [ContactTitle], [Extent1].[City] AS [City], [Extent1].[Country] AS [Country], [Extent1].[Phone] AS [Phone], [Extent1].[Fax] AS [Fax] FROM [dbo].[Supplier] AS [Extent1]</pre>	
0	33
11133	33
11132	33
HttpWebRequest.GetResponse https://sandboxapi.azurewebsites.net/api/values/SlowRequest	
0	11169
1	11169
0	11169
0	11169
3488	11169
Untracked Application Code	
1	14666
0	14666
0	14666
0	14666

Centralized Logging

Retrace aggregates logs, web requests, SQL queries and HTTP calls across all applications and servers and makes your logging smarter by capturing objects and searchable properties. From your Retrace centralized log, you can explore the context of suspicious logs within a request and jump directly from a log into a trace for effortless debugging. By adding structure to logs and presenting comprehensive data in a single view, Retrace eliminates searching through messy log files, improving efficiency and enabling your IT team to leverage additional functionality.

- View and search across all of your app and server logs
- Go from a log statement to a full transaction trace
- Analyze more efficiently with log tags and structured logging
- Configure and monitor automated log queries



Comprehensive error tracking provides quick access to viewing and analyzing related log messages to a particular error, detailed transaction traces for your applications, log statements, errors, SQL queries executed, external HTTP web service calls and more

Application Error Tracking

Troubleshooting application problems is easy when you can correlate all of your data together. Retrace monitors error rates, quickly identifies big spikes and sends notifications to IT via email, SMS, and messaging applications, so problems can be corrected before customers are impacted. Retrace also integrates error tracking and application logging with its APM code profiling to increase visibility into poor performing dependencies, legacy code, framework sections and hidden exceptions, as well as providing extended functionality.

Real User Monitoring

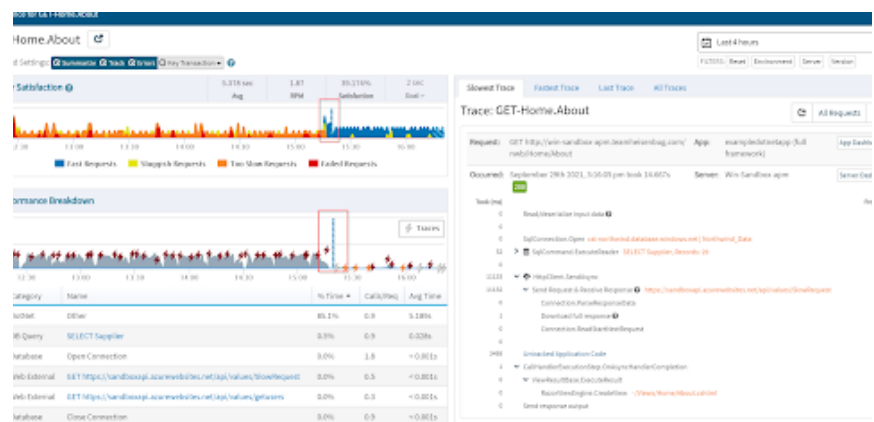
Retrace's Real User Monitoring (RUM) merges client-side traces with their server-side counterparts to give you complete performance statistics on each request and response for your application. If and when customers have a poor experience, RUM alerts you to the issues and points your UI engineers to where each issue can be fixed. Retrace RUM collects and dissects page load times into Network Time, DOM Loading and Page Rendering components, so you can pinpoint and resolve the exact stage during user sessions where bottlenecks are occurring.

- Merge client and server-side traces into one
- See how front end and back end stitch together
- Create a more engaging user experience
- Optimize resource performance with the resource breakdown report
- View User segments based on Browser, Device, and Region to determine where poor performance is occurring

Deploy with Confidence

With deployment tracking and application monitoring under one roof, your IT team gets the data they need when they need it to confirm application updates produce intended results, expedite troubleshooting and ensure the best outcomes when rolling out new applications.

- See exactly when, where and how deployments happen
- Click through deployment markers for actionable insight
- Automate deployment tracking integrations with your CI/CD tool of choice
- Directly attribute changes in application performance to specific deployments



What Customers Are Saying

"Retrace made identifying bottlenecks simple and we are able to quickly fix them. Stackify Retrace's pricing allows us to run diagnostics on more servers concurrently rather than having to constantly swap licenses around as needed."

Ernesto Pye, Technical Director, Americaneagle.com

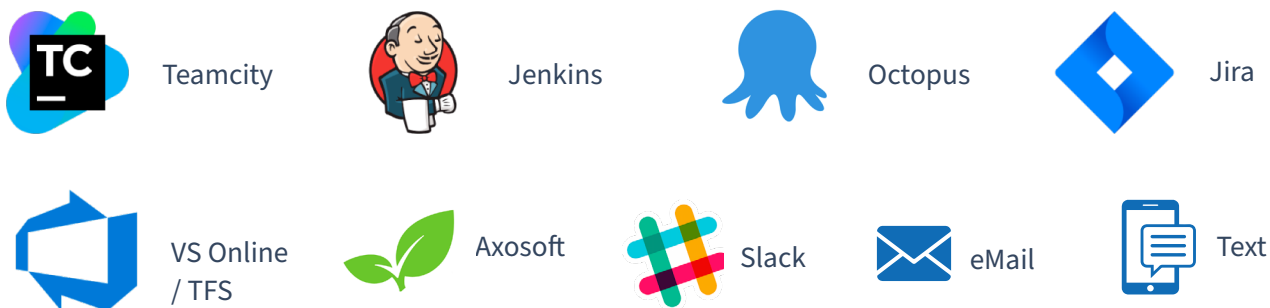
Automatic Instrumentation for Your Stack

Retrace works out of the box with your .NET, PHP, Node.js, Ruby, Python, and Java stack, plus dozens of common frameworks are supported, including:



Integrate With Your Favorite Tools

Retrace works out of the box with popular programming languages, containers and cloud providers. [View our complete list of supported integrations.](#)



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