

# End-to-End Performance Monitoring for Microsoft .NET Applications



## Key Benefits

- ✓ **Deliver great user experience and peak performance** for Microsoft .NET applications
- ✓ **Pinpoint complex .NET application problems** and code latency in seconds
- ✓ **Ensure successful application rollout** from code to deployment
- ✓ **Eliminate finger-pointing** between developers, DBAs and IT ops
- ✓ **Reduce service-level impact** by monitoring business transactions in real time
- ✓ **Troubleshoot fast** with automatic root cause diagnosis

*“eG Enterprise delivers a robust, reliable and extremely valuable solution to deliver maximum uptime and user satisfaction. Pre-emptive alerting helps us to address performance issues immediately before they affect system and application availability.”*

**Mike Montano**  
Senior Manager, Allscripts

Microsoft .NET is one of the top technologies powering business-critical web applications in enterprises today, so any slowness in the application affects user experience and, subsequently, impacts business productivity. Therefore, it is critical to monitor the performance of the Microsoft .NET stack. With the shift to service-oriented architectures and cloud-native deployments, IT administrators now must continually manage distributed applications and dynamically changing infrastructures. When slowness is detected, administrators need to determine what exactly is causing the slowness: is it the application code, or an SQL query, or an external web service call, or an API call, etc.?

## Microsoft .NET Performance Management Simplified

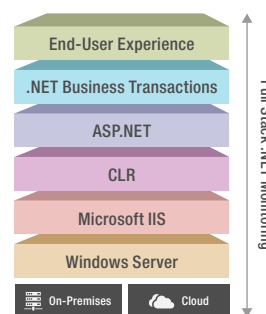
eG Enterprise is a full stack application performance monitoring (APM) solution that provides holistic performance visibility for .NET applications: from code to SQL statements, CLR to IIS, and across the supporting infrastructure (Active Directory, network, virtualization, storage, databases and cloud).

With eG Enterprise, application owners and developers can:

- Measure the digital experience of users in real time
- Trace business transactions across distributed tiers of .NET application components, and diagnose slowdowns
- Get .NET method-level visibility to fix application code issues
- Understand application dependencies with the underlying infrastructure
- Auto-correlate alerts & isolate the root cause of performance problems

eG Enterprise offers a converged approach to .NET monitoring, providing application and infrastructure performance, business transaction, and user experience metrics from a single pane of glass. Automated dependency mapping and performance correlation help pinpoint the root cause of application slowdown, thereby speeding up troubleshooting and increasing development productivity.

Using built-in AIOps and machine learning capabilities, eG Enterprise establishes performance baselines and automatically identifies anomalies. Intelligent alerts, farm-wide views, aggregated metrics and customizable dashboards make it easy for any stakeholder – application/LOB owner, IT ops, DevOps, and developers – to use eG Enterprise for performance monitoring and troubleshooting. Out-of-the-box reports provide actionable insights for performance tuning and optimization.



### Broad Coverage for Microsoft Applications

eG Enterprise offers native support to monitor a wide range of Microsoft applications and technologies

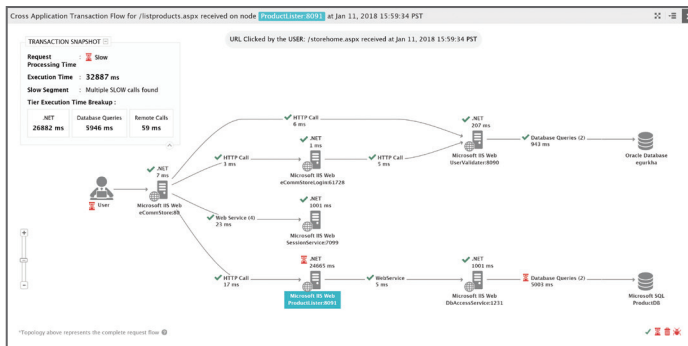
- .NET
- SQL Server
- IIS
- Active Directory
- SharePoint
- Exchange
- Microsoft Dynamics
- Microsoft Message Queuing
- Windows Server
- Hyper-V
- Azure
- Office 365



# Key Capabilities of eG Enterprise for Monitoring Microsoft .NET Applications

## Measure Users' Digital Experience on .NET Applications

- Use built-in real user monitoring (RUM) capabilities to measure the real-time customer journey on web applications
- Understand which geographical regions are slow, which users are affected, and when
- Measure Apdex score and keep track of end-user satisfaction 24x7
- Diagnose if application slowdown is due to the client browser, network, server, or content download

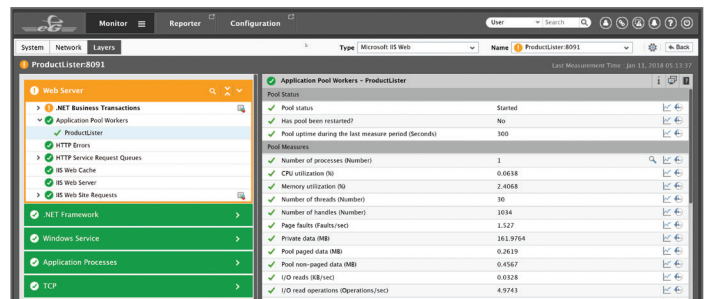


## Transaction Profiling and Code-Level Diagnostics

- Monitor business transaction execution in real time and visualize the transaction flow from browser to backend
- Quickly identify which server tier is causing slowness: IIS, database or external service calls
- Drill down to get .NET method-level and SQL query-level visibility, and identify the exact line of code having a problem
- Compare the performance of .NET applications before and after code deployments

## In-Depth Visibility of IIS and CLR Dependencies

- Understand CLR dependencies with .NET applications
- Track critical metrics about the IIS sites, application pools, worker processes, HTTP errors, and web server resource utilization
- Monitor the .NET framework KPIs, such as cache, compilation errors, request timeout, SQL connections, application sessions, and more



## Accelerate Troubleshooting Using Analytics and Automation

- Auto-discover application-to-infrastructure dependencies and visualize topology with intuitive maps
- Automatically correlate performance insights across the infrastructure – physical, virtual, and cloud – and pinpoint the root cause of issues
- Leverage a wide range of built-in reports for historical data analysis, and get actionable insights for performance tuning and capacity planning

## About eG Innovations

eG Innovations is dedicated to helping businesses across the globe transform IT service delivery into a competitive advantage and a center for productivity, growth and profit. Many of the world's largest businesses use eG Enterprise to enhance IT service performance, increase operational efficiency, ensure IT effectiveness and deliver on the ROI promise of transformational IT investments across physical, virtual and cloud environments.

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