

Ensure end-to-end performance of complex distributed .NET applications

Complex .NET web applications often contain frustrating blind spots and mysterious, recurring problems. Only AppDynamics delivers the simplicity, visibility, and deep diagnostics that Ops and Dev teams require.

The new world of distributed web applications has created a whole new set of challenges for those tasked with ensuring application performance. With the shift toward service-oriented architectures (SOA), applications now operate in rapidly changing environments. As a result, performance problems surface that are often difficult to identify, diagnose, and fix.

As these applications become increasingly critical to the business, it's more important than ever to have a simple yet fast way to monitor, diagnose, and resolve application problems before they affect revenue.

The AppDynamics Application Performance Management provides business transaction-centric management of most complex and distributed .Net applications. The solution is extremely easy to configure and deploy, automatically discovers business transaction, consumes little production overhead, monitors every line of code, and dynamically baselines performance to proactively identify and resolve .Net application performance issues before they impact customers and the business.

The root causes of performance problems can be very different and complex to locate, while the result is usually simple - a slow or unavailable web site. AppDynamics reveals the internals of your application through application flow mapping and infrastructure through .NET business transaction level visibility and proactive monitoring enabling detailed analysis, fast troubleshooting, performance and capacity optimization. We allow companies to monitor, troubleshoot, and diagnose their production applications, gaining 10x their current level of visibility and getting to root cause 90% faster.

KEY BENEFITS

- Visualize your entire application, from browser to backend database
- Troubleshoot bottlenecks 90% faster with deep code-level diagnostics
- Automate common fixes with Application Run Book Automation
- Complete visibility into real user experience across both web and mobile applications, with real-time information on browser, network and server performance

"With AppDynamics we were able to solve complex problems that had been in our application for years."

Kevin Siminski, Director of Infrastructure Operations, ExactTarget/Salesforce



The benefits to you:

- Machine snapshots give visibility into machine level activity for root causing infrastructure issues.
- Identify potential performance problems before they impact end-users
- Establish performance baselines and automatically identify anomalies
- Create capacity to meet demand – scale up and scale down applications as needed in real-time
- Deploy in a matter of a few hours or a few days – not weeks
- Business transaction snapshots provide visibility into code-level performance

Key features

Wide and deep visibility for production

- Object Instance Tracking (OIT) allows you to find memory leaks in production
- Service endpoints help understand the performance of specific services by creating custom endpoints.
- End-to-end browser to backend visibility
- Built for production environments: < 2% overhead
- Designed for highly-distributed/ SOA architectures
- Business transaction-centric

Auto-discovers application map and transaction flows

- Short Mean-time-to-Resolution
- Complete code-level diagnostics when you need them
- Analytics reveal business impact in seconds
- Comprehensive coverage of common application performance issues
- Insight into database performance and SQL execution
- Automated response with Application Run Book Automation
- Enhanced support of Asynchronous transactions measuring end-to-end latency
- Toggle to Developer Monitoring to see diagnostics and call stacks from all transactions

Intelligent

- Self-learning baselines to automate threshold configuration
- Automatic scoring of business transaction performance
- Best fit for agile environments dynamic code instrumentation
- Ability to analyze metrics based on percentiles: 90%, 95%, 99% to get a better understanding of the distribution of metrics.

Fast and easy

- Fast time-to-value (measured in minutes)
- Easy to use for Development and Operations

Cost effective

- A fraction of the cost of legacy APM solutions
- Simple subscription pricing model

Try it FREE at appdynamics.com

WHO IS IT FOR?

- IT Operations
- Production support
- Developers
- Architects
- Anyone whose phone rings when the application is having problems

PROBLEMS SOLVED

- Uptime & availability
- Slow response time
- Memory leaks & thrash
- Stalls
- Deadlocks
- Slow database response
- Database connection pool areas
- End-User monitoring
- Mobile APM

SUPPORTED ENVIRONMENTS

.NET framework version:
2.0, 3.0, 3.5, 4.0, 4.5, 4.6

OS:
MS Windows Server 2003 (32 bit & 64 bit), MS Windows Server 2003 R2 (32 bit & 64 bit), MS Windows Server 2008 (32 bit & 64 bit), MS Windows Server 2008 R2, MS Windows Server 2012, MS Windows Server 2012 R2, MS Windows Server 2016

Runtime environments:
MS IIS 6.0, 7.0, 7.5, 8.0, 8.5, 10 MS Sharepoint 2010, 2013 as services running inside IIS, Managed Windows Services, Managed Standalone Applications

MS Windows Azure Cloud Services:
(Web Roles and Worker Roles)

Automatically discovered BTs:
ASP.NET, ASP.NET MVC (MVC 2, MVC 3, MVC 4, MVC 5), .NET Remoting, WCF, Web Services including SOAP

Message queues:
Apache Active MQ NMS and related MQs, IBM WebSphere MQ, RabbitMQ, TIBCO Enterprise Message Service, TIBCO Rendezvous

ADO.NET clients:
Oracle (ODP.NET 10, 11, 12), Microsoft Provider for Oracle (10, 11, 12), MySQL 5.x, Microsoft SQL Server* 2005, 2008, 2012

Supported loggers:
Log4Net, NLog, System Trace, Windows Event Log