

Five reasons why you need Database Visibility by AppDynamics

AppDynamics Database Visibility delivers agentless heterogeneous database monitoring capabilities in the context of applications that they serve. Here are the top five reasons why your organization needs Database Visibility:

1. Business impact: AppDynamics can be installed and monitoring within minutes, which means that the information can be used right away to solve real business issues and deliver immediate value. This deep visibility can help companies not only quickly identify and resolve any database performance bottlenecks but also understand its impact on the application and end-user experience, so you gain:

- Reduced MTTR
- Increased Application Performance
- Increased Brand Loyalty
- Reduced debate among teams

2. Complete the APM picture: AppDynamics Database Monitoring can monitor any combination of supported database platforms from a single central installation, which means that database performance management can be standardized using a best-of-breed performance monitoring methodology. Software is inclusive of the Database, so why only monitor software and not the DB? With a unified view, you can:

- Correlate bad performance calls from the application to the offending database.
- Context and actionable information, not just DB metrics.
- End-to-End Visibility, all in the context of a business transaction

3. Accurate diagnostics: Answer questions such as: “What caused the slowdown in the application yesterday after lunch?” or “Why is the overnight batch job still running at 9 am this morning?” This historical data can also be used in a proactive manner; for example, to assess upward trends in SQL response time or resource consumption or to tune and fix issues before they become end-user problems. This will result in:

- No more finger pointing
- Understanding beyond simply what Database call is bad and where, to also why it is bad and how to solve it.
- Insight into popular database performance issues, such as:
 - Bad query performance
 - Bad indexes
 - Users/queries conflicts
- Capacity issues
- Inefficient configuration parameters

4. Unite teams on DB issues: Now with a single pane of glass for all your AppDynamics products, you can achieve faster problem resolution from fully integrated data, correlation, and analytics. No need for separate infrastructure. AppDynamics Database Monitoring does not require any software agents on your monitored database servers; instead, agentless technology is used to monitor from a remote central server, which negates deployment issues and monitoring overhead.

- No more data silo between teams
- Who is it for?
 - Database administrators
 - Production support
 - Developers
 - Performance testers
- Anyone whose phone rings when the application is having problems!

5. Know the “why” with actionable information: AppDynamics continuously monitors test or production database instances 24x7 and stores detailed historical data about the resource consumption and wait events in a repository. This data is correlated, aggregated and sorted so that it can be easily displayed in the intuitive web-based user interface. With this historical data, you can diagnose problems such as:

- Slow database response times
- Unpredictable performance spikes
- Internal database contention
- Database load issues
- Locking problems

“The best thing about AppDynamics for Databases in production is the amount of time it saves us when investigating performance problems. This means we fix problems faster and keep our customers happy. It automated our approach to performance tuning and removed the need for manually reviewing data from different tools.”

– Unai Basterretxea, DBA Engineering Manager, Betfair



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