

Monitor NetApp Storage Performance with AppDynamics

Challenges

Companies today are challenged with getting visibility into performance issues that are impacting their business. These issues manifest themselves in ways that have a huge impact to the business in terms of revenue, efficiencies and higher infrastructure and labor costs. E-commerce shopping sites, banking systems, and B2B order management systems are just a few of the many types of applications that must perform well for the business. When there are problems, finger pointing between storage and database teams drives up labor costs due to inefficiencies during the troubleshooting process. Finger pointing also slows down mean time to restore service (MTTR) further impacting the bottom line. This scenario leaves companies with the negative impacts of revenue erosion, poor customer satisfaction and higher costs due to lost productivity and the purchase of expensive hardware as a short-term fix.

Additional Challenges

Silo'd monitoring tools lack end to end performance management capabilities and do not provide a consolidated view across the whole stack. This lack of collaborative tooling leads to an inefficient root cause analysis process.

- No ability to correlate diagnostic information into one clear view across the server, database and storage environments.
- No ability to quickly correlate database performance with NetApp storage performance.
- Lack of historical trends and performance metrics necessary for more effective reporting and storage diagnostics (analytics).

Solution

AppDynamics is an easy-to-use performance management solution designed to monitor NetApp storage, relational and NoSQL databases, and the associated servers.

AppDynamics for NetApp and Databases combines and correlates performance information for storage, servers, and databases, making it easy to quickly find the cause of a problem without introducing excessive overhead or requiring complex and costly installation and maintenance.

Performance monitoring capabilities are especially valuable when introducing NetApp into an existing customer's infrastructure that includes Oracle or a heterogeneous database environment, whereby customers gain the visibility and ability to correlate and resolve performance issues across their infrastructure stack.

Key Benefits

By having full visibility and correlation between environments you get the following benefits:

- MTTR of minutes instead of hours or days
- Real-time and historic monitoring of NetApp® controller latency
- Proactive alerting to identify I/O bottlenecks and hotspots
- Correlate NetApp, database, and server performance
- Drill-down capabilities to troubleshoot storage latency in seconds
- Real-time and historic storage capacity analysis

"The best thing about AppDynamics in production is the amount of time it saves us when investigating performance problems."

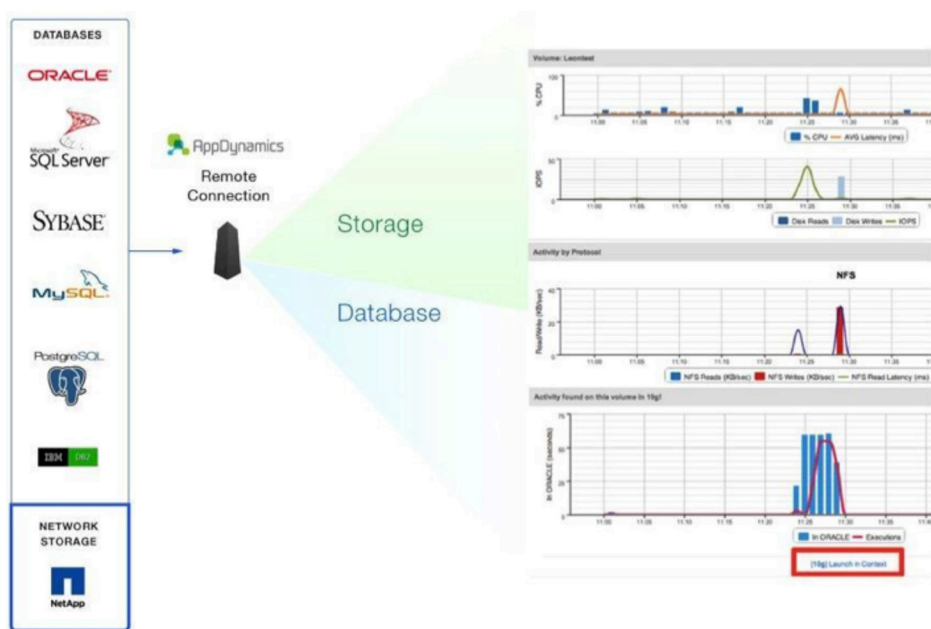
- Unai Basterretxea, DBA Engineering Manager

AppDynamics continuously monitors NetApp storage and keeps a detailed history of activity and latency in a performance repository. This data is correlated, aggregated, and sorted so that it can be easily displayed in an intuitive web-based user interface, making it simple to isolate and resolve performance bottlenecks.

AppDynamics for Databases also provides comprehensive database monitoring for Oracle®, Sybase ASE, Sybase IQ, SQL Server®, MySQL, PostgreSQL, IBM DB2 LUW and MongoDB. If you have database files stored on your NetApp volumes, AppDynamics offers a powerful visual representation of I/O from the database perspective correlated with the I/O of your NetApp storage.

Easily installed and running in minutes, AppDynamics is designed from the ground up for cloud, virtual, and physical architectures. It has been battle-tested in the world's most demanding high-volume production environments.

All of AppDynamics capabilities combine to provide unmatched visibility into your application and infrastructure performance.



SOLUTION COMPONENTS

Supported Databases

- Easy to deploy, use, and maintain
- Highly scalable—monitor hundreds of NetApp controllers and/or Databases
- Single pane of glass for application, database, and storage performance
- Works across 7-Mode and clustered NetApp Data ONTAP® environments as well as NetApp E-Series data storage systems

Supported Databases

- Oracle 8i, 9i, 10g, 11g & 12c
- SQL Server 2000 – 2012
- Sybase ASE 12.5-15.5
- Sybase IQ 12+
- MySQL 4+
- PostgreSQL 8+
- MongoDB
- IBM DB2 LUW 9+

All Hardware/OS Supported

AppDynamics for Databases Platform OS

- Windows
- Linux

Client Support

- Any browser

Try it FREE at
www.appdynamics.com