Application Assessment with MongoDB and Clarity Business Solutions

Periodically assessing applications for performance and security is of paramount importance in today's digital landscape. Application downtime can have significant effects on organizations, users, and even the broader ecosystem in which they operate. With the increasing reliance on technology and the ever-evolving threats posed by cybercriminals, organizations must prioritize regular assessments to ensure their applications meet the needs of the user community as well as to safeguard and protect sensitive data.

An application assessment done by Clarity Business solution can ensure that your MongoDB environment is properly architected, meets the requirements of security technical implementation guides (STIGs), is properly tuned and queries are optimized for operational efficiency. Our team of engineers will utilize a proven approach, leveraging the Application Qualification Scorecard (AQS) to evaluate the suitability of MongoDB for both new applications and application migrations. The AQS scores MongoDB and other databases against multiple criteria.

Clarity brings its functional knowledge and mission-oriented consulting expertise to define the expectations and goals of the consulting session.

Clarity leverages a strategic process for analyzing MongoDB installations in order to identify optimizations and security measures for your system.

We work with your system administrators and engineers to implement mitigation measures, optimizations or document a strategy for applying these in the future.

Develiver comprehensive consulting report that details all the findings, recommendations and mitigation strategies as well as documents answers to questions that work asked during the sessions.

Four-Step Assessment for Improved Performance

Architecture Assessment

MongoDB is designed to handle large volumes of data, making it an excellent choice for modern applications with dynamic data requirements. However, without a well-thought-out architecture, organizations may face various challenges that could hinder their ability to scale, ensure data integrity, and maintain optimal performance.

Our certified MongoDB consulting engineers will review your current architecture and ensure that it meets the availability, durability and scalability requirements for your organization.

Implementation of Security Technical Implementation Guides (STIGs)

We understand the critical importance of deploying hardened and secure systems within government agencies in order to protect valuable and highly sensitive data. Our consulting engineers have experience of deploying MongoDB on secure and air-gapped networks as well as adhering to STIGs. We can help your organization implement and identify gaps within your environment when applying these guides.

Tuning Your Environment for Maximum Performance

Tuning the environments that run MongoDB is crucial for achieving optimal performance, scalability and stability of the database. MongoDB relies heavily on the underlying operating system to manage system resources efficiently and handle various I/O operations. Properly tuned environments allow MongoDB to make the most of system resources, deliver faster response times, handle increasing workloads and provide a seamless user experience for users and applications that rely on the database. Experienced consulting engineers will review your environments to ensure MongoDB is tuned for your specific needs.

Optimize for Efficiency

Improperly tuned queries are the leading cause of performance issues in MongoDB environments. Our consulting engineers are experienced and review diagnostic information to ascertain inefficiencies causing performance bottlenecks. We help discover queries and data structures that have a negative impact on performance and recommend and help implement strategies for maximizing performance.

Ready to get started?

Connect with us at mongodb@claritybizsol.com

Want to learn more?

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