DB2 HealthCheck Optimized for use with SAP Software
IBM Software Services

The database is the heart of SAP application software, and is critical to overall performance and availability. The IBM SAP Alliance has led to tighter integration of DB2 and SAP software. Utilizing autonomic technologies, DB2 is specifically tuned to help Database Administrators (DBAs) better manage their own database environments.

Highlights

■ *Increase business-critical productivity and competitiveness by achieving maximum DB2 database performance in your SAP NetWeaver environment*

■ *Get expert advice and gain skills to exploit new features of DB2 related to SAP software*

■ *More than just a system review, a HealthCheck is tailored to meet your individual business needs*

■ *Available for all DB2 platforms including Linux, Unix, Windows, IBM System i, and IBM System z*

Today's leading organizations require more from their database environments to accommodate growth and capitalize on new market opportunities. Since the overall health of these database systems are critical, thousands of customers leverage IBM Software Services to ensure their database environment is running efficiently in the shortest possible time frame.

What is a DB2 HealthCheck optimized for use with SAP software?

This health check service is designed to maximize the benefits of running SAP software on a DB2 database, increasing business-critical productivity and competitiveness. In addition, an extensive review of your DB2 environment will be conducted to assess the overall health of your system. You can rely on IBM Information Management Software Services to help your organization get the most from your SAP software.

What's Involved

When engaging Software Services, you can be confident you are working with the industry's leading database experts. This offering is more than just a system review. It's tailored to meet the identified needs of the business and is also an ideal opportunity to mentor your staff on the latest SAP software on DB2 best practices.

Our consultants will provide recommendations to keep your DB2 database running smoothly and achieve greater performance gains, while avoiding potentially costly issues in the future. This offering provides excellent value and a solid foundation for companies to achieve their SAP software and DB2 performance objectives. This offering will take advantage of the latest improvements of DB2 related to SAP software. It will then leverage the consolidated lessons learned from DB2 consulting field experience to propel your DB2 database to better performance.

Gain DB2 skills for use with SAP software quickly and efficiently with expert advice and knowledge transfer directly from our mentors on the administration and operational procedures required to support DB2 software in your unique environment.

Our consultants will work closely with your DBAs and SAP System Administrators to analyze the system, determine and troubleshoot the key issues, and identify opportunities for improvement. Consultants will offer changes that are most suited towards your SAP environment.

The primary activities undertaken in this HealthCheck offering include:

DB2 Engagement Objectives and Scope Setting

- Identify the objectives of the DB2 and SAP engagement

DB2 Environment Assessments

- Review and document the current state of the DB2 installation
- Review and document DB2 performance including operating system behaviour
- Review the software environment level on DB2 servers (e.g. DB2 fixpacks, SAP software kernel, support packages and OS level)
- Review the DB2 configuration with a focus on SAP software-related configuration parameters
- Review DB2 backup, database layout and recovery procedures on DB2 servers
- Review operating system error logs on DB2 servers and DB2 error logs
- Review and document any DB2 outages and action taken
- Review and document DB2 Administration Tools for use with SAP software
- Review and document partitioning strategy and use of Multi-Dimensional Clustering tables
- Review and document a reorganization strategy

SAP Environment Assessments

- Document the current SAP software System Performance
- Review SAP software System Configuration (e.g. memory management, SAP software buffers, work processes, logon groups, and table buffering)
- Review and document SAP software System error logs (e.g. system log, short dumps, developer trace files)
- Review and document SAP software database load (e.g. cursor/statement cache analysis, customer programs analysis)

Recommendations

- Identify and recommend changes to operating system, DB2 and SAP software configuration parameters and operating procedures that can improve or enhance DB2 performance and stability in the SAP NetWeaver environment
- Identify and provide optimization hints for expensive SQL statements
- Identify the use of cost-effective DB2 techniques, tools and features
- Recommend best practices to optimize administration efforts
- Identify and document short-term and long-term recommendations to improve the overall DB2 environment
- Summarize and present findings and recommendations along with performance benefits in a formal engagement report

For more information:
Please contact your local IBM sales representative or send an e-mail to dmskills@us.ibm.com.

Visit our web site at:
ibm.com/software/data/services