IBM Power Systems
Quick Reference Guide

Db2 for i Database Engineer (DBE) Enablement – SQL Performance Analysis & Tuning

Overview

This service will help you develop the SQL performance analysis and tuning skills needed as an IBM i database engineer (DBE). It will help you gain a deeper understanding of how the SQL optimizer and engine works, best practices for optimal SQL implementation, and how to use the integrated SQL performance tooling to identify and resolve performance issues, enabling your organization to develop more efficient and scalable IBM i applications.

IBM Systems Lab Services

Target Audience

– IBM i developers and administrators or DBAs / SQL developers new to the platform.

Why Use This Service?

– Have you experienced performance slowdowns after changing your programs from native record level access to SQL data access?

– Are you struggling to figure out which indexes to create to improve SQL performance?

– Is your team uncertain about which Db2 for i tools to use to identify poor performing queries?

Benefits

– Establish yourself as a more efficient DBE after hands-on experience with the Db2 for i SQL performance toolset

– Enhanced understanding of SQL coding performance best practices

– Methodologies for proactively and reactively tuning SQL query performance.

Service Provided

– Advise and mentor database administrators SQL performance analysis & tuning

– Plan customized technical sessions and hands-on labs to be taught by IBM consultants with deep experience in Db2 for i.

– SQL Performance skills transfer including:

  • Science of SQL query optimization

  • Indexing & Statistics strategies

  • Helping the query optimizer make better decisions

  • SQL application design & coding performance considerations

  • Integrated tools and services that are available for managing and tuning SQL & query workloads

Deliverables

– Comprehensive skills transfer materials including presentation and lab materials.

Contacts

– Contact us at ibmsls@us.ibm.com or your local Lab Services team

– Principal Lab Services Consultant: Doug Mack mackd@us.ibm.com

– For more information about this and other Db2 for i services, see http://ibm.biz/DB2iWiki

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