DB203   DB2/SQL Performance

Course description   This course is designed to give existing DB2 personnel a thorough understanding of the performance issues relating to SQL. The course discusses access mechanisms, predicate selection and optimisation techniques. Practical sessions are used to consolidate theory.

Who Should Attend   Development and support personnel responsible for SQL performance and standards.

Pre-Requisites   Previous knowledge of SQL and DB2 objects.

Duration   2 Days

DML Performance Issues

DML Issues Which May Affect
Performance
DML Top Tips

Index Usage

The Function Of An Index
Index Types (type1, type2)
The Index Structure
Index Scans Overview
Index Requirements
Advantages / Disadvantages
Supported Features

Access Mechanisms

Indexes
Tablespace Scans
Matching Index Scan
Non-Matching Index Scan
Clustered / Non-Clustered Indexes
Index Only Access
Multi-Index Access
Sequential Prefetch
List Prefetch
Merge Scan Join
Nested Loop Join
Hybrid Join
Optimize For ...
Predicate Types
Explain Introduction

SQL Optimisation

DB2 Sub-System Components
Predicate Evaluation
Stage 1 Predicates
Stage 2 Predicates
Indexable Predicates
Filter Factors
Optimize For ...
The DB2 Catalog
Runstats

Explain

Functional Overview
The PLAN_TABLE
Interpreting Explain Results
Optimiser Hints