QMF02   QMF For Application Developers

Course description   This course is intended for those personnel who are already familiar with the basic QMF facilities and who wish to extend that knowledge. The course provides detailed information in developing QMF applications, and administering the QMF environment. The course places specific emphasis to performance)

Who Should Attend   Programmers, analyst programmers and developers intending to develop and maintain QMF applications or support the QMF environment.

Pre-Requisites   Existing knowledge of DB2, SQL and basic QMF facilities (Forms, Reports, Procedures etc.) is assumed. A basic understanding of the TSO/ISPF environment is also assumed.

Duration   3 Days

Batch QMF

Why Batch QMF ?
The Batch QMF Environment
JCL Requirements
DSQQMFE & Associated Parameters
Batch Restrictions

Canned QMF

Functional Overview
Hiding QMF
CLIST & File Requirements
DSQQMFE & Associated Parameters
IMPORT / EXPORT
Parameter Driven Queries & Procedures

QMF Applications

What Is a QMF Application ?
The Command Interface
        (DSQCCI)
The Run Time Environment
The RUN Command
Comand Synonyms
Application Support Commands
QMF System Variables
ISPF Variable Pools
Interface Return Codes
Passing Parameters

Access Mechanisms

Access Path Types
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 ...
Explain

SQL Optimisation

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

Integrity & Locking

Logging
Commit / Rollback
Locking
Indexes / Types
Performance Guide-Lines

Security & Authorisation

The Run-Time Environment
Secure DB2 Resources
Authorisation Id's (P/S)
Grant/Revoke Overview
With Grant Option
Public Privileges
Group Privileges & RACF
Views
Special Authorities

Dynamic Object Ownership
Set Current SQLID
Static Object Ownership
QMF Access Control
The QMF Profile Table

CLIST Overview

The PROC Statement
The ALLOC Statement
The FREE Statement
The OPENFILE / CLOSEFILE Statements
The GETFILE / PUTFILE Statements
ISPEXEC
Variables
String Functions

The QMF Resource Governor

Functional Overview
QMF Profile & Resource Tables
Resource Groups
Resource Control Options
Resource Administration

QMF Administration

Command Synonyms
PF Key Customisation
The QMF Profiles
Adding & Removing Users