

# Data Access Manager

---

## Contents

About the Data Access Manager	12-5
The High-Level Interface	12-7
Sending a Query Through the High-Level Interface	12-8
Retrieving Data Through the High-Level Interface	12-9
The Low-Level Interface	12-9
Sending a Query Through the Low-Level Interface	12-10
Retrieving Data Through the Low-Level Interface	12-11
Comparison of the High-Level and Low-Level Interfaces	12-11
Using the Data Access Manager	12-12
Executing Routines Asynchronously	12-12
General Guidelines for the User Interface	12-13
Keep the User in Control	12-13
Provide Feedback to the User	12-13
Using the High-Level Interface	12-14
Writing a Status Routine for High-Level Functions	12-22
Using the Low-Level Interface	12-28
Getting Information About Sessions in Progress	12-36
Processing Query Results	12-37
Getting Query Results	12-37
Converting Query Results to Text	12-43
Creating a Query Document	12-47
User Interface Guidelines for Query Documents	12-47
Contents of a Query Document	12-49
Query Records and Query Resources	12-52
Writing a Query Definition Function	12-52
Data Access Manager Reference	12-55
Data Structures	12-55
The Asynchronous Parameter Block	12-56
The Query Record	12-57
The Results Record	12-59

Data Access Manager Routines	12-60
Initializing the Data Access Manager	12-61
High-Level Interface: Handling Query Documents	12-62
High-Level Interface: Handling Query Results	12-66
Low-Level Interface: Controlling the Session	12-69
Low-Level Interface: Sending and Executing Queries	12-77
Low-Level Interface: Retrieving Results	12-83
Installing and Removing Result Handlers	12-87
Application-Defined Routines	12-90
Resources	12-91
The Query Resource	12-91
The Query String Resource	12-92
The Query Definition Function Resource	12-93
Summary of the Data Access Manager	12-94
Pascal Summary	12-94
Constants	12-94
Data Types	12-95
Data Access Manager Routines	12-97
Application-Defined Routines	12-99
C Summary	12-99
Constants	12-99
Data Types	12-101
Data Access Manager Routines	12-102
Application-Defined Routines	12-104
Assembly-Language Summary	12-104
Trap Macros	12-104
Result Codes	12-105