Device Manager

Contents

Introduction to Devices and Drivers 1-3
About the Device Manager 1-5
The Device Control Entry 1-6
The Unit Table 1-8
The Driver I/O Queue 1-10
Driver Routines 1-12
Driver Resources 1-12
Using the Device Manager 1-14
Opening and Closing Device Drivers 1-18
Communicating With Device Drivers 1-20
Controlling and Monitoring Device Drivers 1-22
Writing a Device Driver 1-24
Creating a Driver Resource 1-24
Responding to the Device Manager 1-28
Entering and Exiting From Driver Routines 1-29
Writing Open and Close Routines 1-31
Writing a Prime Routine 1-33
Writing Control and Status Routines 1-34
Handling Asynchronous I/O 1-37
Installing a Device Driver 1-38
Writing a Chooser-Compatible Device Driver 1-40
How the Chooser Works 1-40
Creating a Chooser Extension File 1-43
Creating a Device Package 1-45
Responding to the Chooser 1-46
Allocating Private Storage 1-48
Writing a Desk Accessory 1-49
How Desk Accessories Work 1-49
Creating a Driver Resource for a Desk Accessory 1-50
Opening and Closing a Desk Accessory 1-51

Responding to Events 1-51
Device Manager Reference 1-53
Data Structures 1-53
Device Manager Parameter Block 1-53
Device Control Entry 1-56
Device Manager Functions 1-58
Opening and Closing Device Drivers 1-59
Communicating With Device Drivers 1-69
Controlling and Monitoring Device Drivers 1-75
Writing and Installing Device Drivers 1-82
Resources 1-89
The Driver Resource 1-89
Summary of the Device Manager 1-91
C Summary 1-91
Constants 1-91
Data Types 1-92
Functions 1-94
Pascal Summary 1-95
Constants 1-95
Data Types 1-97
Routines 1-98
Assembly-Language Summary 1-99
Data Structures 1-99
Trap Macros 1-100
Result Codes 1-101