

Chapter 1: IMS Overview

IMS Database 1
 Hierarchical Database 2
 IMS Components 3
 Database 4-5
 IMS Access Methods 6
 HSAM: Hierarchical Sequential Access Method 7
 HISAM: Hierarchical Indexed 8-10
 Sequential Access Method 11-15
 Hierarchical Direct Access Methods 16-17
 HDAM 18-21
 HIDAM 22-23
 Pointers 24
 Hierarchical Pointers 25-26
 Physical Child Pointers 27-29
 Physical Twin Pointers 30

Chapter 2: Database Description

Control Blocks 1
 DBD Generation 2-3
 DBD Macro Statements 4
 DBD Example 5-6

Chapter 3: Program Specification Block

Program Specification Block 1

Chapter 4: Application Control Block

ACB: Application Control Block 1-2
 ACB Macros 3

Chapter 5: Database Reorganization

Database Reorganization 1-2
 When to Reorganize 3
 Database Monitoring 4
 What is Involved in Reorganization? 5
 Available IMS Utilities 5
 Writing a Program 6
 Types of Reorganizations 7

Chapter 8: IMS Database Solution Pack for z/OS

IMS Database Reorganization Expert 1-2
 IMS High Performance Load 3
 IMS Index Builder 4-5
 IMS High Performance Image Copy 6-7
 IMS High Performance Pointer Checker 8-9
 Validate, Compare, Map, and Report IMS Databases 10-12

Partial Reorganization 8
 Utilities for Performing Partial Reorganization 9
 Database Surveyor Utility 10-11
 Partial Database Reorganization Utility 12-15
 Full Database Reorganization 16
 Databases with No Secondary Indexes 17-18
 Databases with Secondary Indexes or Logical Relationships 19-20
 HISAM 21
 HISAM Database Reorganization Utility 21-22
 HISAM Reorganization Reload Utility 23-24
 Hierarchical Direct Reorganization Unload Utilities 25-26
 HD Reorganization Reload Utility 27-28
 Prereorganization Utility 29-31
 Database Scan Utility 32-33
 Database Prefix Resolution Utility 34

Chapter 6: Space Management Utility

Overview - IMS Space Management Utility-II: SMU-II 1
 Detecting HD Database Pointer Problems 2
 Print Statistics 3
 Additional Ways the Utilities are Helpful 4
 SPACE Management Utilities 5
 HD Pointer Checker Utility 6
 How Databases Get Damaged 7
 Functions Performed by this Utility 8
 Type of Problems Identified 9
 Utility Lists 10
 Utility Does Not Correct the Pointer 11
 Utility Can Work with the Image Copy 12
 When to Run Pointer Checker Utility 14
 Pointer Checker Reports 15-22
 HD Tuning Aid Utility 23-25
 Data Space Monitor 26
 Segment Restructure Utility 29-31
 HDAM Physical Block Reload Utility 32

Chapter 7: Performance Reporting

Database Monitor 1-3
 Database Print Report Program 4-5
 Program I/O Report 6
 IWAITS 6-8
 VSAM Buffer Pool Report 9