

INFORMIX

COURSE SYLLABUS

Introduction to IBM Informix Dynamic Server

IBM Informix Dynamic Server

Architecture of Informix

Components of Informix

Installation & Configuration

Configuring the Operating System and Windows Memory

Modifying UNIX Kernel Parameters

Allocating Disk Space

Creating Chunk Files on UNIX

Raw or Unbuffered Disk Access

Cooked Files

Setting Environment Variables on Windows

Network-Configuration and Network-Security Files

The sqlhosts Registry on Windows

Configuring Connectivity Using ISA

Connectivity in between Client and Server

[Client/Server Architecture](#)

[Network Protocol](#)

[Network Programming Interface](#)

[Connections That the Database Server Supports](#)

[Local Connections](#)

[Shared-Memory Connections](#)

[Connectivity Files](#)

[Network-Configuration Files](#)

[TCP/IP Connectivity Files](#)

[Multiple TCP/IP Ports](#)

Working in Database Server

[Preparing space for data storage](#)

[Raw Chunks](#)

[Cooked Chunks](#)

[Setting Environment variables](#)

[Server initialization](#)

[Server status](#)

[Server Message Log](#)

Database Server Monitoring

[Monitoring Utilities](#)

[SMI](#)

[Sysmaster database](#)

[Sysmaster tables and Views](#)

[Onstat syntax](#)

[Onstat Options](#)

[Oncheck syntax](#)

[ISA](#)

Virtual Processors, Threads and Disk Architecture

[Virtual Processor](#)

[Thread](#)

[Types of Virtual Processors](#)

[Advantages of Virtual Processors](#)

[Sharing Processing](#)

[Saving Memory and Resources](#)

[Processing in Parallel](#)

[Adding and Dropping Virtual Processors](#)

[On-Line Mode](#)

[Binding Virtual Processors to CPUs](#)

[Physical Disk Spacial Disk Space](#)

[Logical Log Files and Physical Log Files](#)

Disk Space Monitoring

[Creating a Dbspace with onspaces](#)

[Creating a Blobspace with onspaces](#)

[Dropping Spaces with onspaces](#)

[Adding a chunk to dbspace](#)

[Dropping a chunk from dbspace](#)

[Adding a chunk to dbspace](#)

[Dropping a chunk from dbspace](#)

[Renaming Dbspace](#)

[Managing Spaces with ISA](#)

Physical and Logical Logging

[Log Initialization](#)

[Changing the Physical Log](#)

[Adding, Dropping and Switching Logical Log](#)

[Changing Database Logging Modes and Monitoring Logs](#)

[Dynamic Allocation of Locks](#)

Backup and Restore methods

[Backup and Recovery System](#)

[Manual and Continuous Logical-Log Backups](#)

[Warm, Cold, and Mixed Restores](#)

[Physical and Logical Restores](#)

[Data Loss Scheduling Backups and Recovery Strategy](#)

[Hardware and Memory Resources](#)

[Evaluating Backup and Restore Time](#)

[Physical and Logical Backup Methods](#)

Troubleshooting

[Shared Memory Allocation](#)

[Consistency Check errors](#)