

INFOSOFT IT SOLUTIONS

Training | Projects | Placements

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BM Tivoli Course

INTRODUCTION TO TIVOLI

- Introduction
- Objectives
- IBM Tivoli
- TSM platform support
- IBM Tivoli Storage Manager
- Backup /Restore
- Archive/Restore – Long Term Storage Functionality
- Tivoli Products
- Installing Tivoli on AIX
- Prerequisites Required by the ITSM Server
- Basic Components Installed by IBM Tivoli Storage Manager
- Install IBM Tivoli License on AIX
- Registering and Querying Licenses from the Command Line
- Backup/Archive Client Prerequisites

- Backup archive client Installation Steps

MANAGING STORAGE POOLS AND STORAGE POOL VOLUMES

- Introduction
- Objectives
- Storage Pools, Storage Pool Hierarchies & Storage Pool Volumes
- Storage Pool Hierarchies
- Device Classes
- Device Class and Storage Pool
- Defining Storage pools
- Update / query storage pools
- Defining storage pool volumes
- Deleting Storage Pools and Volumes
- Automatic Data Movement
- Storage Pool Migration
- Reclamation
- Collocation

INSTALL AND CONFIGURE TAPE LIBRARY ATTACHED TO THE IBM TIVOLI SERVER

- Introduction
- Objective
- Install and Configure Tape Library Attached to the IBM Tivoli Server

- Prepare Tape Cartridges for Use in an IBM Tivoli Tape Library
- Checking in Volumes
- Create Scratch Tapes by Using the LABEL LIBV Command
- Checking Out Volumes
- Auditing a Library
- Managing Storage Pools and Storage Pool Volumes

SCHEDULER

- Introduction
- Objectives
- Overview of Schedules
- Central Scheduling Mode – Client Polling
- Central Schedule Mode – Server Prompted
- Selecting Schedule Methods
- Additional Scheduling options
- Additional Client Polling Options
- Additional Server Prompted Options
- Identify Tasks/Actions that can be scheduled for Clients
- Consistent Client Return Codes
- Managing Client/Server Sessions
- Defining Schedules
- Define the schedule using Command Line
- Schedule Example

- Define Association using Command Line

CLIENT CONFIGURATION

- Introduction
- Objectives
- Identify the types of Clients
- Using the command line
- Using the web client
- Using GUI
- Administrative Control of Access
- Configuring Client Access to Server
- Define include/exclude option
- Include/exclude processing

DATABASE & RECOVERY LOG

- Introduction
- Objectives
- Database and Recovery Log
- Transactions
- Recovery Log Transaction Modes
- Normal Mode
- Roll Forward Mode
- Space Allocation
- Database and Recovery Log Space

- Estimating the size of the database
- Cached and copy Storage pool sizes
- Overhead
- Estimating the Size of the Recovery Log
- Reducing the Database and Recovery Log Space

BACKUP-ARCHIVE CLIENT FUNCTIONS

- Introduction
- Objectives
- Types of Backups Available from the GUI
- Incremental (Complete) and Journal-based Backup
- Journal-based Backup
- Incremental by date (only)
- Incremental (without journal)
- Always backup selective
- Snapshot image backup
- Restore operation
- Point-in-time restore
- Archive Process

MONITORING AND LOGGING EVENTS

- Introduction
- Objectives
- Monitoring and Logging Events

- Client Message Candidates
- Client Event Formatting
- Message Formatting
- Client Event Processing

ENABLING CLIENT EVENTS FOR THE STORAGE MANAGER CONSOLE

- Storing Clients in the Activity Log
- Querying Client Events in the Activity Log

POLICY MANAGEMENT

- Introduction
- Objectives
- Policy Management
- Policy Specification
- Copy Group Attributes
- Policy set
- Command line to define policy set
- Validating a policy set
- Management class
- How are files bound to management class

BACKING UP THE DATABASE

- Introduction

- Objectives
- Backing up the database
- Full Backup versus Incremental Backup
- Database (out-of-band) snapshot Backup
- Database Backup Command

PRIVILEGE CLASSES

- System privileges
- Storage privileges
- Unrestricted Storage Privileges
- Restricted Storage Privilege
- Policy Privileges
- Operator privilege
- Analyst privilege