



IBM Tivoli Storage Manager 5.5 Advanced Admin, Tuning and Troubleshooting (WIN) (TM522GB)

Format: Classroom
Duration: 5.0 Day(s)

Description

This five-day course is designed to provide in-depth administration training with IBM Tivoli Storage Manager 5.5 Extended Edition, at a skill level that is beyond the Implementation and Administrator Part One course. Through the use of reporting tools, administrators will be able to control their TSM environment, and determine which actions to take. These tasks will vary according to the action we are trying to accomplish. The classroom setup for this training includes installing and configuring multiple servers, server-to-server and virtual volumes. The students will participate in group problem determine exercises, and be presented with options for a tapeless backup, optimal data management, and tuning the backup-archive client and the TSM 5.5 server for optimal performance.

Audience

This course is intended for Senior System Administrators and Business Partners who are experienced with IBM Tivoli Storage Manager Implementation.

Prerequisites

The following list contains the prerequisite knowledge and Tivoli product knowledge an attendee must have prior to taking the course:

Tivoli product knowledge:

Students must have either taken a recent (current or one level back) version of the Tivoli Storage Manager Implementation course, or have hands-on experience administering IBM Tivoli Storage Manager.

General skills:

Ability to navigate through applications on the OS being used for the course (Windows)

Ability to use the OS command line on the OS being used for the course (Windows) Experience working with storage devices

Ability to work with an Internet browser

Thorough understanding of client-server concepts

Basic understanding of network architecture including WAN, LAN and SAN Recommended courses

IBM Tivoli Storage Manager 5.5 Implementation and Administration (Classroom)

Objectives

After completing this course, students will be able to:

- Backup and restore IBM Tivoli Storage Manager Databases and storage pools.
- Write and use macros and scripts to automate operations.
- Optimize IBM Tivoli Storage Manager with performance tuning parameters.
- Prepare reports with Operational Reporting.
- Use client and server trace functions.
- Configure and use server-to-server virtual volumes.
- Configure and use backup sets, subfile backup and online image backup.
- Configure and use multi-session backup and move node data.
- Enable and use file grouping and open file support.
- Configure single administrative logon.

Content

Macros and Scripts

-In this unit you will see how writing macros and scripts can help with the automation of common tasks. You will also see that scripts can be scheduled thus reducing the number of schedules required.

Network Configuration and TSM Performance Issues

-Performance and tuning parameters and options will be covered in this unit. Guidelines will be presented and you will also work with network backup capabilities when there are nodes that exist across the WAN environment from the TSM Server installation.

Reporting

-Reporting tools are covered in the unit. The SQL interface along with the ODBC driver and connectivity are reviewed. The Operational Reporting Manager is also presented so you see the capabilities of this included utility.

Problem Determination Concepts

-Since there may be times when TSM support will need you to run a trace, this unit covers what traces are and how to run them. Tracing will be examined from the server and client perspective.



Backup and Restore Methodology

-This unit covers many backup and restore methods not presented in the pre-requisite course. Some of the items examined will be multi-session backup and restore, open file support, image backup (static and online snapshot), backup groups and moving data by node to name a few.

Enterprise Administration

-This unit establishes a good foundation in how to configure multiple instances of TSM servers in support of enterprise administration. Also covered in this unit is the establishment of a configuration manager server for propagation of objects in a controlled methodology from the manager to other TSM servers.

Server-to-server Virtual Volumes

-The capability to store backup and archive data for a TSM server on another TSM server is studied in this unit. This capability is available through the use of virtual volumes. The exploitation of these virtual volumes database backups and disaster recovery is explored.

Appendix A: Related TSM Products

The add-on products for TSM, such as, the Data Protection for Mail, Data Protection for Database and others are overviewed in this closing unit