

Course Code: TS101DGS

Course Title: Fundamentals of IBM Spectrum Protect

## Description:

The IBM Spectrum Protect (formerly Tivoli Storage Manager or TSM) suite of products includes the Spectrum Protect Server and many add-on products and components for providing enterprise class data protection and disaster recovery. In this Fundamentals of Spectrum Protect course we provide a simple, easy-to-understand introduction to many of the components and technologies associated with Spectrum Protect along with a series of videos to help better understand the content.

## Objectives:

1. Understand the core data storage and protection concepts that IBM Spectrum Protect is based on
2. Navigate the main IBM Spectrum Protect command line and GUI interfaces
3. Perform basic data backups and differentiate between backup types, such as incremental backups and complete backups

## Duration:

16 Hrs

## Topics:

Day 1

- Unit 1: Concepts and Components

- Unit 2: User Interface Introduction

> Exercise Part 1: Administrative Command Line > Exercise 1 Basic Queries > Exercise 2 Use the help command > Exercise 3 Start a Console Mode window for monitoring > Exercise 4 Open the administrative command line using the dsmadm command

> Exercise Part 2: Operations Center > Exercise 5 Navigating the Operations Center > Exercise 6 Use the Operations Center Command Builder

> Exercise Part 3: Backup-archive client > Exercise 7 Backup-archive command line introduction > Exercise 8 Backup-archive GUI introduction > Exercise 9 Examine current options in the backup-archive GUI > Exercise 10 Restore and replace files > Exercise 11 Archive selected files > Exercise 12 Retrieve files from archive

## Day 2

- Unit 3: Daily Operations

> Exercise 1 Perform an incremental, complete backup > Exercise 2 Perform a selective backup with client-side compression > Exercise 3 Send archive data to the storage pools > Exercise 4 Define a container storage pool > Exercise 5 Change policy to send backup data to container storage pool > Exercise 6 Back up files to DEDUPCONTAINER using inline deduplication > Exercise 7 Perform storage pool backups > Exercise 8 Perform a database backup > Exercise 9 Review the configuration of the database and recovery log > Exercise 10 Back up the database again using multiple streams and compression > Exercise 11 Initiate a storage pool migration > Exercise 12 Review the maintenance tasks in the Operations Center

- Unit 4: Reporting and Monitoring

> Exercise 1 Review security notification > Exercise 2 Configure a mail server for reports > Exercise 3 Review the default reports > Exercise 4 Create a new report and work with report templates > Exercise 5 Review and assign alerts in the Operations Center > Exercise 6 Review the default maintenance tasks in the Operations Center > Exercise 7 Use the Operations Center to review the completed maintenance

### **Audience:**

This course is intended for students who otherwise have had no prior experience with IBM Spectrum Protect.