IBM TS625G - IBM SPECTRUM PROTECT 7.1.6 ADVANCED ADMINISTRATION, TUNING, AND TROUBLESHOOTING

Dauer: 5 Tage

Durchführungsart: Präsenztraining

Zielgruppe: This course is for storage administrators familiar with the daily management of IBM Spectrum Protect/Tivoli Storage Manager.

Voraussetzungen: Complete IBM Tivoli Storage Manager 7.1.1 Implementation and Administration (TS614G) or IBM Tivoli Storage Manager 7.1.4 Implementation and Administration (TS615G) prior to attending this course.

Nr.: 38438

Preis: 3.650€ netto / 4.343,50 € inkl. 19 % MwSt.

Schulungsmethode: presentation, discussion, hands-on exercises, demonstrations on the system.

IBM Spectrum Protect, formerly known as IBM Tivoli Storage Manager, is a data backup and recovery solution designed to help you manage your data retention, reduce the cost of storage, and provide appropriate recovery point objectives to meet any service level agreement. IBM Spectrum Protect offers improved efficiency and flexibility through the use of object-based data management, policy driven retention, and an easy to use interface, the Operations Center.

In this advanced-level course, you will streamline your daily operations by implementing new features, such as inline data deduplication, storage pool directory containers, and node replication. You will use the Operations Center and administrative command line to manage multiple Spectrum Protect servers and nodes. The hands-on exercises are performed on two Windows 2012 R2 virtual machines.

Programm

Key topics
Unit 1 - Managing a multi-server Spectrum Protect 7.1.6 environment:

- Basic Spectrum Protect concepts

- Spectrum Protect Operations Center

- Benefits of a multi-server Spectrum Protect environment

- The IBM Spectrum Protect storage family

Unit 2 - Storage pool management:

- Managing storage pool hierarchies

- Data movement

- Using policy to determine storage destination

- Container storage pools

- Client-side deduplication

- Inline deduplication

Unit 3 - Multi-site management:

- Overview of multi-site management

- Create a server pair

- Configure servers for multi-site management

Unit 4 - Replication and disaster recovery:

- Configure replication

- Configuring automatic client failover

- Audit and repair damage in a container storage pool

- Additional disaster recovery methods

Unit 5 - Client Functions and management:

- Backup and restore overview

- Journal-based backups

- Backup group

- Image/snapshot backups

- Decommission a client node

Unit 6 - Daily maintenance:

- Daily maintenance

- Daily storage pool maintenance tasks; legacy disk to tape

- Daily storage pool maintenance tasks; multi-site

- Database backups

Unit 7 - Automation and scripting:

- Spectrum Protect SQL queries

- Macros

- Server scripts

- Daily maintenance scripts

Unit 8 - Reporting and monitoring:

- Reviewing events and messages

- Configure Operations Center alerts

- Client Management Services

- Creating reports in the Operations Center

Unit 9 - Tuning the server and client for optimization:

- Performance tuning overview

- Optimized planning considerations

- Tuning options

- Server tuning

- Optimizing the Spectrum Protect database

- Client tuning

- Server and client instrumentation

Unit 10 - Troubleshooting and recovery:

- Problem determination

- Database recovery

- Storage pool recovery

- Trace functions

- Reporting an issue

- Where to find more information

Objectives

After completing this course, you should be able to:

- Describe a multi-server Spectrum Protect storage environment

- Manage storage pools

- Configure a multi-server environment

- Improve data protection and recovery with replication

- Enable advanced client functions

- Protect the Spectrum Protect environment

- Use scripting to automate daily processing

- Explore monitoring and reporting

- Optimize the Spectrum Protect server and client

- Troubleshoot common problems

Düsseldorf

15 Jul - 19 Jul 2019