IBM Storage Protect 8.1.13 Advanced Administration, Tuning, and Troubleshooting

Course code: TS629G

IBM Storage Protect is an enterprise data protection solution designed to help you streamline your data protection processing, reduce the cost of storage, and provide the flexibility and security to meet any service level agreement. IBM Storage Protect optimizes storage utilization by using incremental forever as well as block-level backup and replication, policy-based data management, and an intuitive interface, the Operations Center. In this course, you learn how the use of two or more Storage Protect servers provides more options for data movement in the environment, like replication to multiple targets. You also use IBM Cloud Object Storage to create a storage pool for backups and long-term retention. The bulk of the administrative tasks are performed using the Operations Center and Command Builder which provides a command line interface for all servers configured in the Operations Center. This course also includes scripting, performance tuning, protecting, and recovering the database and storage pools, and an introduction to IBM Storage Protect Plus. The hands-on exercises are performed on three different IBM Storage Protect servers, two on Windows, and one on Linux, with additional systems added to provide the IBM Cloud Object Storage environment. This course is the second in a two-course series. It is for Storage Protect administrators who are familiar with the daily management tasks on a single server, and focuses on incorporating more advanced features, including replication and use of cloud object storage. Basic concepts and installation are not covered in this course. TS619G, the first course in the series, IBM Storage Protect 8.1.12 Implementation and Administration, covers installation and basic administration of a single server.

Who is the course for

Implementers and administrators who have experience with IBM Spectrum Protect.

What we teach you

- Describe the expanded functions of a multi-server IBM Storage Protect storage environment
- Manage storage pools and data movement across devices, containers, and cloud
- Implement server-to-server communications and replication
- Configure long-term data management using retention rules and retention sets
- Employ advanced client backup and recovery functions to enhance performance
- Perform daily maintenance and monitor activities to improve security and recoverability
- Automate daily processing using macros and scripts
- Work with tuning parameters for the Storage Protect server and client
- Troubleshoot common problems and perform disaster recovery operations
- Describe IBM Storage Protect Plus and additional products in the Storage portfolio

Required skills

You should be able to perform the following skills managing an IBM Spectrum Protect environment before taking this course:

- Explain the primary components of IBM Storage Protect
- Install a Storage Protect server, backup-archive client, Client Management Services, and Operations Center
- Complete initial configuration of the server and client
- Configure and manage client options
- Define and manage storage pools in a single server environment
- Launch and navigate the administrative and client interfaces
- Manage the IBM Storage Protect database and recovery log
- Create and manage storage pools and storage pool volumes
- Configure a media library and manage tape media
- Create policy to meet business requirements
- Back up, restore, archive, and retrieve client data
- Protect the IBM Storage Protect environment
- Schedule basic administrative tasks

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- Monitor server and client messages and events

Course outline

- Unit 1 IBM Storage Protect in a multi-server environment
- Unit 2 Storage pool management overview
- Unit 3 Multi-server management
- Unit 4 Long-term retention
- Unit 5 Client functions and management
- Unit 6 Daily maintenance and monitoring
- Unit 7 Automation and scripting
- Unit 8 Performance tuning
- Unit 9 Troubleshooting and recovery
- Unit 10 IBM Storage Protect additional products

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