

## **IBM Spectrum Protect 7.1.6 Advanced Administration, Tuning, and Troubleshooting**

### 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

### 2. Storage Pool Management

- Managing storage pool hierarchies
- Data movement
- Using policy to determine storage destination
- Container storage pools
- Client-side deduplication
- Inline deduplication

### 3. Multi-Site Management

- Overview of multi-site management
- Create a server pair
- Configure servers for multi-site management

### 4. Replication and Disaster Recovery

- Configure replication
- Configuring automatic client failover
- Audit and repair damage in a container storage pool
- Additional disaster recovery methods

### 5. Client Functions and management

- Backup and Restore Overview
- Journal-based backups

- Backup group
- Image/snapshot backups
- Decommission a client node

## 6. Daily Maintenance

- Daily maintenance
- Daily storage pool maintenance tasks; legacy disk to tape
- Daily storage pool maintenance tasks; multi-site
- Database backups

## 7. Automation and Scripting

- Spectrum Protect SQL queries
- Macros
- Server scripts
- Daily maintenance scripts

## 8. Reporting and Monitoring

- Reviewing events and messages
- Configure Operations Center alerts
- Client Management Services
- Creating reports in the Operations Center

## 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

## 10. Troubleshooting and Recovery

- Problem determination
- Database recovery
- Storage pool recovery

- Trace functions
- Reporting an issue
- Where to find more information