Day 1: Introduction to PowerScale and Basic Concepts

1.1. Course Overview 1.1.1. Welcome and Course Objectives 1.1.2. About PowerScale

1.2. PowerScale Architecture 1.2.1. Hardware Components 1.2.2. Networking and Storage Architecture

1.3. Initial Setup and Configuration 1.3.1. PowerScale Deployment Options 1.3.2. Initial Hardware Configuration 1.3.3. Networking Configuration

Day 2: PowerScale Administration Essentials

2.1. PowerScale Management Interfaces 2.1.1. GUI-based Management 2.1.2. Command Line Interface (CLI)

2.2. User and Group Management 2.2.1. Creating and Managing User Accounts 2.2.2. Group Management

2.3. File System and Data Management 2.3.1. Creating File Systems 2.3.2. Data Ingestion and Migration

Day 3: Data Protection and Replication

3.1. Data Backup and Recovery 3.1.1. Backup Strategies 3.1.2. Performing Data Backups 3.1.3. Restore Procedures

3.2. Data Replication 3.2.1. Replication Concepts 3.2.2. Configuring Data Replication

Day 4: Performance Optimization and Monitoring

4.1. Performance Monitoring 4.1.1. Performance Metrics and Monitoring Tools 4.1.2. Troubleshooting Performance Issues

4.2. Storage Efficiency and Optimization 4.2.1. Thin Provisioning 4.2.2. Deduplication and Compression

4.3. Capacity Planning 4.3.1. Predicting Growth 4.3.2. Scaling the Environment

Day 5: Advanced Topics and Troubleshooting

5.1. High Availability and Failover 5.1.1. Clustering and Redundancy 5.1.2. Failover Strategies

5.2. Security and Access Control 5.2.1. Access Control Lists (ACLs) 5.2.2. Security Best Practices

5.3. Troubleshooting Common Issues 5.3.1. Identifying and Resolving Problems 5.3.2. Troubleshooting Resources

5.4. Exam Preparation and Course Conclusion 5.4.1. Review of Key Concepts 5.4.2. Certification Exam Information