ΛRROW

Enterprise Computing Solutions - Education Services

TRAINING OFFERING

You can reach us at:

Arrow ECS, Nidderdale House, Beckwith Knowle, Harrogate, HG3 1SA

Email: educationteam.ecs.uk@arrow.com
Phone: 0870 251 1000

SAN Volume Controller (SVC) Planning and Implementation Workshop

CODE:	LENGTH:	PRICE:
ZL1_SNV1	4 day(s)	£2,600.00

Description

Plan and implement IBM SAN Volume Controller in your data center! After completing this course, you should be able to:
• Distinguish the concepts of IBM Spectrum virtualization• Recall the history for IBM SAN Volume Controller
• Classify the characteristics and components of the IBM SAN Volume Controller system and SAS attached expansion enclosures
• Outline setups required to integrate an SVC system solution
• Summarize the SVC systems' ability to scale for capacity and performance
• Summarize the virtualization process converting physical storage space into virtual resources
• Recall the process to create host access storage on an SVC system
• Differentiate the advanced software features designed to simplify data management, reclaim storage space, and preserve storage investments
• Differentiate methods in which to migrate data to and from the virtualized system environment
• Summarize the methods of remote data replications to improve availability and support for disaster   recovery
• Employ administrative operations to manage, monitor, and troubleshoot the system environment
• Summarize the characteristics of IBM Storage Insights' ability to identify, troubleshoot and minimize potential system downtime
• Summarize 3-Site Replication and Safeguarded Copy **Agenda**:

- Day 1:
- Unit 1: Introduction to IBM SAN Volume Controller
- Unit 2: IBM SAN Volume Controller Hardware Architecture
- Unit 3: IBM SVC SAS-Attached Storage
- Unit 4: IBM SVC System Scaling
- Unit 5: IBM SVC System Installation and Management Access
- Exercise 0: Lab environment overview
- Exercise 1: System user authentication

- Day 2:
- Unit 6: IBM Spectrum Virtualize: Storage Provisioning
- Unit 7: IBM Spectrum Virtualize Volume Allocation
- Unit 8: IBM Spectrum Virtualize Host Integration
- Unit 9: IBM Spectrum Virtualize Data Reduction Technologies
- Exercise 2: Manage external storage resources
- Exercise 3: Provision external storage resources
- Exercise 4: Windows host definitions and volume allocations
- Exercise 5: AIX host definitions and volume allocations
- Exercise 6: iSCSI host definitions and volume allocations
- Exercise 7: Thin Provisioning and Volume Mirroring

- Day 3:
- Unit 10: IBM Spectrum Virtualize Easy Tier
- Unit 11: IBM Spectrum Virtualize Data Migration
- Unit 12: IBM Spectrum Virtualize FlashCopy and Consistency Groups
- Unit 13: IBM Spectrum Virtualize Remote Data Mirroring
- Exercise 8: Data pool migration
- Exercise 9: Migrate existing data with Import Wizard
- Exercise 10: Migrate existing data with Migration Wizard
- Exercise 11: Migrate existing data with Import Wizard CLI
- Exercise 12: System scripting

- Day 4:
- Unit 14: IBM Spectrum Virtualize Administration Management
- Unit 15: IBM Storage Insights
- Unit 16: IBM Spectrum Virtualize 3-Site Replication
- Unit 17: IBM Spectrum Virtualize Safeguarded Copy
- Exercise 13: IBM Real-time Compression and IBM Comprestimator
- Exercise 14: FlashCopy and consistency groups
- Exercise 15: Volume expansion
- Exercise 16: Monitoring user roles and access

Objectives

- Distinguish the concepts of IBM Spectrum virtualization
- Recall the history for IBM SAN Volume Controller
- Classify the characteristics and components of the IBM SAN Volume Controller system and SAS attached expansion enclosures
- Outline setups required to integrate an SVC system solution
- Summarize the SVC systems' ability to scale for capacity and performance
- Summarize the virtualization process converting physical storage space into virtual resources
- Recall the process to create host access storage on an SVC system
- Differentiate the advanced software features designed to simplify data management, reclaim storage space, and preserve storage investments
- Differentiate methods in which to migrate data to and from the virtualized system environment
- Summarize the methods of remote data replications to improve availability and support for disaster   recovery
- Employ administrative operations to manage, monitor, and troubleshoot the system environment
- Summarize the characteristics of IBM Storage Insights' ability to identify, troubleshoot and minimize potential system downtime
- Summarize 3-Site Replication and Safeguarded Copy

Audience

This intermediate lecture and exercise-based course is for individuals who are assessing and/or planning to deploy networked storage virtualization solutions.

Training Development

Roadmaps that reference this course are:

Storage Area Network (SAN), Virtualization and Consolidation Techniques

Prerequisites

Programme

- Day 1:
- Unit 1: Introduction to IBM SAN Volume Controller
- Unit 2: IBM SAN Volume Controller Hardware Architecture
- Unit 3: IBM SVC SAS-Attached Storage
- Unit 4: IBM SVC System Scaling
- Unit 5: IBM SVC System Installation and Management Access
- Exercise 0: Lab environment overview
- Exercise 1: System user authentication

- Day 2:
- Unit 6: IBM Spectrum Virtualize: Storage Provisioning
- Unit 7: IBM Spectrum Virtualize Volume Allocation

- Unit 8: IBM Spectrum Virtualize Host Integration
- Unit 9: IBM Spectrum Virtualize Data Reduction Technologies
- Exercise 2: Manage external storage resources
- Exercise 3: Provision external storage resources
- Exercise 4: Windows host definitions and volume allocations
- Exercise 5: AIX host definitions and volume allocations
- Exercise 6: iSCSI host definitions and volume allocations
- Exercise 7: Thin Provisioning and Volume Mirroring

- Day 3:
- Unit 10: IBM Spectrum Virtualize Easy Tier
- Unit 11: IBM Spectrum Virtualize Data Migration
- Unit 12: IBM Spectrum Virtualize FlashCopy and Consistency Groups
- Unit 13: IBM Spectrum Virtualize Remote Data Mirroring
- Exercise 8: Data pool migration
- Exercise 9: Migrate existing data with Import Wizard
- Exercise 10: Migrate existing data with Migration Wizard
- Exercise 11: Migrate existing data with Import Wizard CLI
- Exercise 12: System scripting

- Day 4:
- Unit 14: IBM Spectrum Virtualize Administration Management
- Unit 15: IBM Storage Insights
- Unit 16: IBM Spectrum Virtualize 3-Site Replication
- Unit 17: IBM Spectrum Virtualize Safeguarded Copy
- Exercise 13: IBM Real-time Compression and IBM Comprestimator
- Exercise 14: FlashCopy and consistency groups
- Exercise 15: Volume expansion
- Exercise 16: Monitoring user roles and access

Options

 -

Further Information

Prior to enrolling, IBM Employees must follow their Division/Department processes to obtain approval to attend this public training class. Failure to follow Division/Department approval processes may result in the IBM Employee being personally responsible for the class charges.
GBS practitioners that use the EViTA system for requesting external training should use that same process for this course. Go to the EViTA site to start this process: http://w3.ibm.com/services/gbs/evita/BCSVTEnrl.nsf
Once you enroll in a GTP class, you will receive a confirmation letter that should show:The current GTP list price
The 20% discounted price available to IBMers. This is the price you will be invoiced for the class.

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
26 Sep 2022	London (Arrow)	BST	English	Classroom		£2,600.00

Additional Information

This training is also available as onsite training. Please contact us to find out more.