CS10147 - Hitachi Enterprise In-System and TrueCopy Remote Replications

Course Highlights
- Reviews Hitachi In-System Heterogeneous Replication and Hitachi TrueCopy features, architecture and commands for Hitachi Virtual Storage Platform (VSP) Family and Hitachi Unified Storage VM (HUS VM)
- Introduces new Hitachi Thin Image snapshot replication feature
- Uses Hitachi Storage Navigator, RAIDCOM, and Command Control Interface (CCI) commands to create and manage complex configurations

Course Description
This 5 day course provides information on in-depth specifications, operations, and troubleshooting of the Hitachi In-System Heterogeneous Replication bundle and the Hitachi TrueCopy Heterogeneous Remote Replication bundle. In-System Replication software includes Hitachi ShadowImage, Hitachi Copy-on-Write Snapshot, and Hitachi Thin Image.

Emphasis is placed on managing replications with Command Control Interface (CCI) software. Additional material covers Hitachi High Availability Manager (HAM), data transport methods, planning and implementing data protection configurations, basic Three Data Center (3DC) configurations, and Hitachi Replication Manager (HRpM) features.

The classroom sessions are supported by lab exercises. You will practice using Hitachi Storage Navigator and RAID Manager CCI, and RAIDCOM commands to build several in-system and remote replication configurations.

Course Objectives
Upon completion of this course, you should be able to:
- Describe key features and internal operations of Hitachi ShadowImage Heterogeneous Replication
- Use Hitachi Storage Navigator and Command Control Interface (CCI) for ShadowImage pair operations
- Describe the key features and internal operations of Hitachi Copy-on-Write Snapshot and Hitachi Thin Image (HTI)
- Configure Copy-on-Write Snapshot and HTI pools and virtual volumes
- Use CCI for Copy-on-Write and HTI snapshot pair operations
- Describe the use of Microsoft® Volume Shadow Copy Services (VSS) environment
Course Description

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- Describe the key features and operations of Hitachi TrueCopy Remote Replication bundle
- Configure and operate a TrueCopy replication using Storage Navigator
- Use CCI for TrueCopy pair operations
- Use RAIDCOM configuration setting commands to make changes to replication configurations
- Describe Hitachi High Availability Manager (HAM) concepts and operations
- Describe Global-Active Device
- Configure and operate TrueCopy and Hitachi Universal Replicator software in Three Data Center (3DC) environments
- Describe data protection concepts and practices
- Discuss data transport methods and supported topologies for replication links
- Describe Hitachi Replication Manager interface and operations

Course Outline

Content Modules

- ShadowImage Internal Operations Overview
- ShadowImage Operations with Storage Navigator
- ShadowImage Operations with Command Control Interface (CCI) Software
- Hitachi Thin Image and Copy-on-Write Internals and Operations
- Hitachi Volume Shadow Service (VSS) Provider (optional)
- TrueCopy Internals and Storage Navigator Operations
- TrueCopy Configuration, Performance, and Command Control Interface (CCI) Operations
- Hitachi High Availability Manager and Global-Active Device Overview
- Three Data Center (3DC) Operations
- Data Protection
- Data Transport
- Hitachi Replication Manager Overview

Learning Activities — Labs

- ShadowImage Operations
- Copy-on-Write and Thin Image Configuration and Operations
- TrueCopy Configuration and Operations
- 3 Data Center Configuration and Operations (Optional)
- RAIDCOM Configuration Setting Operations (Optional)

To register or for more information, go to https://learningcenter.hds.com