



CSI0147 - Hitachi Enterprise Storage Replication

Details:

Format / Delivery Type:

Instructor-led

Duration:

5 Days

Location / Date :

Fast Lane AG

Glatt Com (1. Etage/P12),
 8301 Glattzentrum
 (Wallisellen/Zürich)
 Phone +41 (0)44 832 50 80

27.9. – 1.10.2010

Monday	09:00 – 17:00
Tuesday	09:00 – 17:00
Wednesday	09:00 – 17:00
Thursday	09:00 – 17:00
Friday	09:00 – 17:00

Price:

6.000 CHF or 5 Training Units

Registrations:

Please send your requests to
education.switzerland@hds.com

Prerequisites:

Either one of the following is recommended:
 CSI1560 – Hitachi Enterprise Storage Fundamentals OR
 TSI1315 – Hitachi Enterprise Storage Software



Course Description:

This five day instructor-led course provides information on replication fundamentals and key tasks necessary to implement in-system and remote replication on Hitachi enterprise storage systems. It covers specifications, operations, and troubleshooting. In addition, Wide Area Network (WAN) configurations and the three data center (3DC) concept are also covered. The classroom sessions are supported by lab exercises involving installation, configuration and implementation of replication software running on a specific Hitachi enterprise storage system.

Course Objectives:

Upon completion of the course, the learner should be able to:

- ❖ Describe key features and specifications of Hitachi ShadowImage® Heterogeneous Replication software
- ❖ Describe key commands and operations of ShadowImage software
- ❖ Install, configure, and use ShadowImage software
- ❖ Describe Hitachi Command Control Interface (CCI) software operations and commands
- ❖ Describe the steps to configure CCI software
- ❖ Describe the key features, commands, and operations of Hitachi Copy-on-Write Snapshot software
- ❖ Identify the steps to install and configure Copy-on-Write Snapshot software
- ❖ Identify requirements of in-system replication for Hitachi Universal Storage Platform® V and VM
- ❖ Describe troubleshooting scenarios and corrective actions for ShadowImage Heterogeneous Replication software and Copy-on-Write software
- ❖ Describe the key features, architecture, commands, and operations of Microsoft® Volume Shadow Copy Services
- ❖ Describe the key features of Hitachi Remote Replication software
- ❖ Identify Hitachi TrueCopy® Remote Replication software commands and operations
- ❖ Describe key specifications and performance factors
- ❖ Install, configure, and use TrueCopy software
- ❖ Configure TrueCopy CCI



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Course Objectives (cont.):

- ❖ Describe TrueCopy link requirements for replication at any distance
- ❖ Identify TrueCopy operational differences with Universal Storage Platform V and VM
- ❖ Describe troubleshooting scenarios, and corrective actions
- ❖ Identify WAN integration of TrueCopy replication over Fibre Channel links and supported topologies
- ❖ Identify typical WAN integration best practices
- ❖ Describe TrueCopy disaster recovery operations, concepts and practices
- ❖ Install and configure Hitachi Universal Replicator software for Three Data Center (3DC)
- ❖ Describe the use of TrueCopy and Universal Replicator software in 3DC environments

Content Modules:

- ❖ In-System Replication (CSI0148)
- ❖ Introduction to Hitachi In-System Replication
- ❖ Hitachi ShadowImage Heterogeneous Replication Software Overview
- ❖ ShadowImage Heterogeneous Replication Software Operations
- ❖ Hitachi Command Control Interface Software Overview
- ❖ Hitachi Copy-on-Write Snapshot Software Operations
- ❖ Microsoft Volume Shadow Copy Services
- ❖ Remote Replication (CSI0149)
- ❖ Hitachi Remote Replication Software Overview
- ❖ Hitachi TrueCopy Remote Replication Software Overview
- ❖ TrueCopy Remote Replication Configuration
- ❖ WAN Integration with TrueCopy Remote Replication Software
- ❖ Disaster Recovery
- ❖ Three-Data-Center Operations

Learning Activities/Labs:

- ❖ ShadowImage Software Operations with Storage Navigator
- ❖ ShadowImage Software Operations with CCI: Solaris
- ❖ ShadowImage Software Operations with CCI: Windows
- ❖ Copy-on-Write Software: Windows
- ❖ TrueCopy Software Configuration
- ❖ TrueCopy Operations with CCI
- ❖ CCI Swap Takeover for Solaris
- ❖ Configuring Hitachi Universal Replicator Software
- ❖ Universal Replicator Software Operations