



EXAM DESCRIPTION

Hitachi Data Systems Certified Expert - Mainframe Replication Solutions Architect HCE-3720 Exam

Description:	This test is designed for Hitachi Data Systems employees and partners who architect HDS replication solutions for mainframe. This exam certifies that the successful candidate has advanced knowledge, skills and abilities to assess, plan and design HDS replication solutions for mainframe environments and to develop proposals that meet the business needs of HDS customers. This includes strong knowledge of the HDS mainframe replication solutions and software portfolio, how systems integrate into customer environments and how they can best satisfy the customers' needs and meet their expectations. This test covers data replication software products for mainframe including Hitachi Universal Replicator, Hitachi ShadowImage In-System Replication software bundle, Hitachi TrueCopy Remote Replication bundle and Hitachi Business Continuity Manager.
Audience:	Hitachi Data Systems employee and partner solutions architects. HDS mainframe replication solutions architects examine customer-related data and information to assess requirements from a business perspective and respond with solutions, defined as a hardware and software architecture that meets the customer's business needs. In a pre-sales engineering role, they define the technical architecture and components of the solution according to solution-design best practices in the context of the client's infrastructure, and they apply the most recent technologies. In a storage-engineering role and in association with implementation personnel, they present and propose initial deployment and support plans for the solutions. Mainframe replication solution architects have broad and in-depth knowledge of IBM mainframe concepts, they are familiar with IBM z/OS, IBM zHPF channel architecture and IBM mainframe replication features and technologies such as FlashCopy.
Supporting material:	TSI1090 Implementing Hitachi Universal Replicator for Mainframe (5-d ILT) TSI0165 Hitachi Business Continuity Manager for Mainframe (4d ILT)
Exam type:	Certification
Format:	Proctored, closed-book exam
Credential:	Hitachi Data Systems Certified Expert - Mainframe Replication solutions architect
Delivery:	The exam is available through the Kryterion Webassessor system.
Questions:	60
Passing score:	68%
Duration:	90 minutes; 120 minutes for non-English-speaking countries
Cost:	US\$225

Test Objectives

Section 1	Mainframe Fundamental Concepts
1.1	Describe concepts of IBM mainframe operating systems.
1.2	Describe advanced IBM mainframe features.
1.3	Describe replication objectives.
Section 2	Configuring Mainframe Storage for Replication
2.1	Demonstrate knowledge of hardware configuration in an IBM mainframe environment.
2.2	Describe I/O definition concepts.
2.3	Describe channel architecture design.
Section 3	HDS External Replication Design
3.1	Demonstrate knowledge of how to assess business requirements for replication.
3.2	Describe IBM HyperSwap concepts.
3.3	Describe the capabilities of Hitachi TrueCopy for Mainframe.

3.4	Describe the capabilities of Hitachi Universal Replicator for Mainframe.
Section 4	HDS Internal Replication Design
4.1	Describe HDS in-system replication technologies.
Section 5	Replication Control Software Recommendations
5.1	Describe PPRC concepts.
5.2	Describe command control interface for mainframe.
5.3	Demonstrate knowledge of Hitachi Business Continuity Manager capabilities.
Section 6	Replication Solution Sizing and Optimization
6.1	Demonstrate knowledge of how to design replication solutions to meet customer performance requirements.
6.2	Demonstrate knowledge of how to design replication solutions to meet customer bandwidth requirements.
6.3	Demonstrate knowledge of Hitachi Dynamic Provisioning and Hitachi Dynamic Tiering as it relates to replication.
6.4	Describe tiered storage management software concepts.
Section 7	Data Migration Planning and Design
7.1	Describe 3rd-party mainframe software migration products.
7.2	Describe hardware replication products for mainframe migration.



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T/Pankievich_March_2017