

**EXAM DESCRIPTION**

# Hitachi Vantara Certified Expert Replication and Migration Solutions Implementation HCE-5711 Exam

**Exam Type**

Certification

**Format**

Proctored, closed book exam

**Credential**

Hitachi Vantara Certified Expert - Replication and Migration Solutions Implementation

**Validity** 3 years

**Delivery**

[Kryterion Webassessor System](#)

**Questions** 60

**Passing Score** 60%

**Duration** 90 minutes

**Cost**

US \$225 or equivalent in local currency (plus local tax, depending on location)

**Supporting Material**

See the Replication and Migration stripes (under construction) on the [Services Technical Training](#) page in the Learning Center.

This test is designed for Hitachi Vantara employees and partners who deploy Hitachi replication solutions and perform data migrations in customer environments. The test will validate that the successful candidate has knowledge, skills and abilities to plan, prepare and conduct successful migrations, and that they can implement, integrate and maintain Hitachi local and/or remote replication solutions that run on Hitachi storage systems. This includes thorough understanding of solution design, deployment and integration procedures, and of the tools, techniques and best practices related to implementing and maintaining the solutions. This exam covers data migration and replication products including Hitachi ShadowImage, Thin Image Advanced, TrueCopy, Universal Replicator, Global-Active Device, Universal Volume Manager, Non-Disruptive Migration, Volume Migration, three-data center (3DC), Delta Resynch, Virtual Storage Platform (VSP), Common Control Interface (CCI).

**Audience: Hitachi Vantara Employee and Partner Implementation Professionals**

Hitachi Vantara migration and replication solutions implementation personnel should have strong knowledge and skills in the use of data migration tools and techniques, and in the deployment and support of Hitachi replication solutions. As systems integrators, they provide pre-installation services, and following Hitachi Vantara recommended practices, they perform data migrations and/or deploy, configure and test the software products included in the replication solutions. They provide post-installation support services including solutions maintenance, updates and upgrades, and they have thorough knowledge of problem determination and incident resolution tools and techniques. They support all related administrative activities, and should also be able to perform knowledge transfer tasks by communicating needed information to allow clients to assume responsibility for operation of the solutions deployed.

| Test Objectives  |                                                                                          |
|------------------|------------------------------------------------------------------------------------------|
| <b>Section 1</b> | <b>Replication and Migration Planning</b>                                                |
| 1.1              | Describe the preparation for initial migration planning.                                 |
| 1.2              | Describe the difference between GAD/NDM and NDM/UVM-based migrations.                    |
| 1.3              | Demonstrate knowledge of different use cases of TC, HUR, GAD, or 3DC.                    |
| 1.4              | Demonstrate knowledge of migrating older storage systems or third-party storage systems. |
| 1.5              | Describe the process used to size a replication solution.                                |
| 1.6              | Describe the migration or replication coverage tools.                                    |
| 1.7              | Demonstrate knowledge of use cases for HTI/HTIA or SI clone.                             |
| <b>Section 2</b> | <b>Replication and Migration Design</b>                                                  |
| 2.1              | Describe the components needed for Remote Replication.                                   |
| 2.2              | Describe the components needed for In-system Replication.                                |

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|                  |                                                                                                                                                    |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 2.3              | Demonstrate knowledge of the processes of Hitachi controller-based migration methods.                                                              |
| 2.4              | Demonstrate knowledge of how to group servers into migration events.                                                                               |
| 2.5              | Describe VSM design considerations.                                                                                                                |
| <b>Section 3</b> | <b>Replication and Migration Implementation</b>                                                                                                    |
| 3.1              | Demonstrate knowledge of how to configure remote replication.                                                                                      |
| 3.2              | Demonstrate knowledge of how to configure in-system replication.                                                                                   |
| 3.3              | Demonstrate knowledge of how to prepare a migration event.                                                                                         |
| 3.4              | Demonstrate knowledge of how to implement the different settings of System Option Modes, Host Mode Options, functions switches, or timeout values. |
| 3.5              | Demonstrate knowledge of replication software tools.                                                                                               |
| <b>Section 4</b> | <b>Replication and Migration Support</b>                                                                                                           |
| 4.1              | Describe common problems during a migration implementation.                                                                                        |
| 4.2              | Describe common problems during a replication implementation.                                                                                      |
| 4.3              | Describe replication management concepts.                                                                                                          |
| 4.4              | Demonstrate knowledge of how to troubleshoot replication or migration errors.                                                                      |

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