

EXAM DESCRIPTION

Hitachi Vantara Certified Specialist Pentaho Data Integration Implementation HCE-5920 Exam

Exam Type

Certification

Format

Proctored, closed book exam

Credential

Hitachi Vantara Certified Specialist – Pentaho Data Integration Implementation

Validity 3 years

Delivery

[Kryterion Webassessor System](#)

Questions 60

Passing Score 63%

Duration 90 minutes; 120 minutes for non-English-speaking countries

Cost

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

Supporting Material

• [Certified Specialist – Pentaho Data Integration Learning Path](#)

This test is designed for Hitachi Vantara employees, partners, and customers. It validates that the successful candidate has knowledge, skills, and abilities to implement and support Pentaho Data Integration solutions. This includes thorough understanding of deployment and integration procedures and best practices. This test covers installation, solution design, database connectivity, PDI development, Big Data, error handling and logging, and performance tuning.

Audience: Hitachi Vantara Customers, Partners and Employees who implement Pentaho Data Integration Solutions

Pentaho Data Integration implementation personnel should have strong knowledge and skills in using, deploying, and supporting Pentaho Data Integration solutions. They assist with architecture, design, development, implementation, integration, performance tuning, rollout, and optimization of the deployed Pentaho solution. Typical audiences include ETL and Big Data developers, system integrators, implementation consultants and database designers.

Attaining the knowledge necessary to pass this exam can be gained through a mix of experience and education. Hitachi Vantara provides a range of courses which can help students along this path. Click [here](#) for information about supporting courses.

Test Objectives	
Section 1	Installation and Configuration
1.1	Demonstrate knowledge of Pentaho Server installation and configuration.
1.2	Describe how to manage the repository.
Section 2	Solution Design
2.1	Describe the Data Integration client and server components.
2.2	Describe how data flows within PDI jobs and transformations.
2.3	Describe methods to execute PDI jobs or transformations.
2.4	Describe usage of metadata injection.
Section 3	Database Connectivity
3.1	Demonstrate knowledge of how to manage data connections in PDI.
Section 4	PDI Development
4.1	Demonstrate knowledge of the steps used to create a PDI job.
4.2	Describe the steps to create a PDI transformation.
4.3	Describe how to use streaming steps.
4.4	Describe the use of property files.

The Lumada Learning portal provides easy access to instructor-led and self-paced training content for our Lumada and Pentaho software solutions.

Hitachi Vantara Partners and Customers can browse our training offerings but course enrollment requires an account. New visitors can request an account via the login page.

Hitachi Vantara employees can login using SSO.

The portal can be accessed at: [Lumada Learning](#)

Section 5	Big Data
5.1	Identify key aspects of working with data and Hadoop.
5.2	Describe how to create Big Data PDI jobs and transformations.
5.3	Demonstrate knowledge of how to configure PDI and Pentaho server to integrate with Hadoop.
Section 6	Error Handling and Logging
6.1	Describe error handling concepts in PDI.
6.2	Demonstrate knowledge of logging concepts.
Section 7	Performance Tuning
7.1	Describe how to monitor and tune the performance of a job or a transformation.

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