



HITACHI VANTARA HCE-3700

Hitachi Vantara Performance Architect Certification Questions & Answers

Exam Summary – Syllabus – Questions

HCE-3700

[Hitachi Vantara Certified Expert - Performance Architect](#)

60 Questions Exam – 61% Cut Score – Duration of 90 minutes

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Know Your HCE-3700 Certification Well:

The HCE-3700 is best suitable for candidates who want to gain knowledge in the Hitachi Vantara Infrastructure - Architect Expert. Before you start your HCE-3700 preparation you may struggle to get all the crucial Performance Architect materials like HCE-3700 syllabus, sample questions, study guide.

But don't worry the HCE-3700 PDF is here to help you prepare in a stress free manner.

The PDF is a combination of all your queries like-

- What is in the HCE-3700 syllabus?
- How many questions are there in the HCE-3700 exam?
- Which Practice test would help me to pass the HCE-3700 exam at the first attempt?

Passing the HCE-3700 exam makes you Hitachi Vantara Certified Expert - Performance Architect. Having the Performance Architect certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

Hitachi Vantara HCE-3700 Performance Architect Certification Details:

Exam Name	Performance Architect Expert
Exam Code	HCE-3700
Exam Price	\$225 USD
Duration	90 minutes
Number of Questions	60
Passing Score	61%
Recommended Training	TSI2597 - Architecting Storage Performance with Hitachi Storage Using Hitachi Command Suite v8.x (5d ILT/vILT)
Exam Registration	Kryterion Webassessor
Sample Questions	Hitachi Vantara HCE-3700 Sample Questions

Practice Exam	<u>Hitachi Vantara Certified Expert - Performance Architect Practice Test</u>
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HCE-3700 Syllabus:

Section	Objectives
Storage Systems Architecture	<ul style="list-style-type: none"> - Describe common performance expectations and measurement criteria. - Describe storage media characteristics and features that influence performance. - Identify the performance characteristics of the different RAID levels available with Hitachi storage systems. - Identify the characteristics of Hitachi storage systems processing and path architecture that relate to performance optimization. - Identify the characteristics of Hitachi storage systems cache architecture that relate to performance optimization. - Demonstrate understanding of connectivity between the host and the storage array as it relates to performance.
Pools, Tiers and Workload Profiles	<ul style="list-style-type: none"> - Identify the performance-related data to be collected prior to a design. - Describe the characteristics and principles of tiering and non-tiering pools, and how to choose between them. - Demonstrate understanding of workload profiling for the design of storage pools and tiers. - Demonstrate knowledge of Hitachi Dynamic Provisioning and Hitachi Dynamic Tiering concepts as they relate to customer requirements. - Demonstrate how to define and apply Hitachi Dynamic Provisioning strategies, and how to monitor performance to meet customer needs and expectations. - Demonstrate how to define and apply Hitachi Dynamic Tiering strategies, and how to monitor performance to meet customer needs and expectations.
Storage Virtualization	<ul style="list-style-type: none"> - Describe Hitachi Vantara recommended practices for the deployment of virtualized storage solutions. - Describe the performance aspects of cache partitions as they relate to virtualized storage solutions. - Demonstrate the performance aspects of Hitachi Dynamic Provisioning with virtualized storage solutions. - Demonstrate the performance aspects of Hitachi Dynamic Tiering with virtualized storage solutions.
Performance Tools and Data Acquisition	<ul style="list-style-type: none"> - Identify industry-standard tools used for performance-data monitoring, data collection, data analysis and workload

Section	Objectives
	simulation. - Demonstrate how to apply workload profile information to industry-standard workload generators. - Describe the performance and configuration data that Hitachi Performance Monitor and Hitachi Tuning Manager collect. - Demonstrate how to review Hitachi Dynamic Tiering performance data from Hitachi Performance Monitor and Hitachi Tuning Manager. - Describe the data to be collected to size Hitachi storage solutions to meet customer performance requirements and utilization expectations. - Describe the data to be collected when planning for capacity growth and performance for Hitachi storage systems.
Solution Design and Deployment Planning	- Describe Hitachi Vantara recommended design practices when sizing and configuring Hitachi storage systems for industry-standard database applications. - Describe Hitachi Vantara recommended design practices when sizing and configuring Hitachi storage systems for non-database application workloads. - Demonstrate your ability to configure Hitachi storage system capacity for planned growth while maintaining the customer's performance requirements. - Describe how path management software load-balancing algorithms are used to optimize storage performance. - Describe concepts of logical devices, LUNs per port, and queuing as they relate to performance.
Monitoring and Troubleshooting	- Describe common, generic principles/concepts used to analyze performance data, isolate bottlenecks and troubleshoot performance-related problems. - Describe the Hitachi products and services that are available to investigate and identify performance problems. - Describe how to analyze performance data, isolate bottlenecks and troubleshoot performance-related problems of Hitachi storage systems. - Describe how to recognize a replication-related performance problem. - Describe how to troubleshoot performance issues outside of the storage array.

Hitachi Vantara HCE-3700 Sample Questions:

Question: 1

You are recommending RAID 6 to a customer for a non-database HDT pool. What are two reasons for this recommendation?

(Choose two.)

- a) RAID 6 minimizes exposure to double disk failure.
- b) RAID 6 provides the optimum overall performance of all RAID types.
- c) RAID 6 provides the most efficient use of system processor resources.
- d) When capacity is pooled; the whole pool is affected when one parity group fails.

Answer: a, c

Question: 2

A 10K RPM Small Form Factor 600 GB disk drive has a 3 ms average rotational latency and a 4 ms average seek time. How many random read IOPS would you expect from a 4D+4D RAID group using these drives before any consideration for cache hits or queuing optimization benefits?

- a) approximately 570 IOPS
- b) approximately 1,140 IOPS
- c) approximately 1,530 IOPS
- d) approximately 2,280 IOPS

Answer: d

Question: 3

You are evaluating storage system performance for an interactive workload. What are three appropriate criteria in this situation?

(Choose three.)

- a) customer requirements
- b) throughput (MBs)
- c) elapsed time
- d) storage system response time
- e) resource utilization (% busy)

Answer: b, c, d

Question: 4

How many back-end disk operations are normally required to complete a small block random write operation to a LUN on a RAID 5 group?

- a) 2
- b) 3
- c) 4
- d) 6

Answer: c

Question: 5

Which two environments are suitable for cost effective use of Hitachi Accelerated Flash disk media?

(Choose two.)

- a) Online Analytical Processing (OLAP) data warehouse
- b) Online Transaction Processing (OLTP) with HDT
- c) large scale Consumer Video on Demand (CVOD)
- d) Virtual Desktop (VDI)

Answer: a, b

Question: 6

A high level of writes to external storage is backing up into a VSP G1000 cache, creating a high write pending problem that is affecting other workloads. Which three actions will help to minimize this problem?

(Choose three.)

- a) Add more cache to the enterprise storage system.
- b) Add more cache in the external storage.
- c) Quarantine the LUNs in a separate cache partition.
- d) Set Cache Mode to "Disabled" for the external LUNs.
- e) Address the throughput constraints in the external storage.

Answer: a, b, d

Question: 7

In a VSP G200 system, what are two advantages of RAID 1+0 compared to RAID 5/6 for random write workloads? (Choose two.)

- a) RAID 1+0 provides more useable capacity per for the same number of drives.
- b) RAID 1+0 has less processing overhead.
- c) Disk virtualization is lower.
- d) RAID 1+0 has more efficient pre-fetch operation.

Answer: a, c

Question: 8

Which three functions are performed by a VSP G1000 Virtual Storage Director (VSD)? (Choose three.)

- a) It executes host I/O requests.
- b) It calculates parity.
- c) It manages cache segment usage.
- d) It moves data to/from cache.
- e) It executes software such as HDP or copy products.

Answer: a, c, d

Question: 9

What are two appropriate criteria for evaluating a batch job performance? (Choose two.)

- a) storage response time
- b) host initiators utilization
- c) elapsed time and/or throughput (MBs, IOPS)
- d) customer requirements

Answer: a, c

Question: 10

For which two purposes is the SVP Performance Monitor suitable? (Choose two.)

- a) Reporting by device owner
- b) Annual trend analysis
- c) Real time observations
- d) A reference for verifying the accuracy of other performance tools

Answer: b, c

Study Guide to Crack Hitachi Vantara Performance Architect HCE-3700 Exam:

- Getting details of the HCE-3700 syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the HCE-3700 exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the Hitachi Vantara provided training for HCE-3700 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the HCE-3700 sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on HCE-3700 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

Reliable Online Practice Test for HCE-3700 Certification

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