

# Knowledge Check 7: Why Distribution?

<b>Due</b> No due date	<b>Points</b> 0	<b>Questions</b> 4
<b>Time Limit</b> None	<b>Allowed Attempts</b> Unlimited	

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## Attempt History

	Attempt	Time	Score
LATEST	<u>Attempt 1</u>	2 minutes	0 out of 0

Submitted Feb 7 at 7:53pm

Not Answered

Question 1

0 / 0 pts

What does transparency refer to in database terminology?

The ability of users to see where pieces of data are stored in a distributed database system.

This is not correct. Users do not need to see location of data in a distributed database system.

The ability of users to manage the details of lower level database implementation.

The ability of users to see the details of how a database system works.

**Correct Answer**

Separation of higher level semantics of a database system from the lower level implementation issues.

**Question 2****0 / 0 pts**

What does scalability refer to in database terminology?



The ability of a database system to provide faster access speed.



The ability of a database system to expand and serve more users.

Scalability refers to expansion of a database system in terms of both volume and the number of users served.



The ability of a database system to provide better access with a minimum quality of service guarantee.



The ability of a database system to provide the same level of service with a lower cost.

**Correct!****Question 3****0 / 0 pts**

Assume you have a database that serves users globally. Why would you choose a Distributed setup?



Reliability

If a db instance in one location goes down, the others are still working

**Correct!**

Latency

**Correct!**

The latency will be much lower, thats a good thing!

☐ Initial Cost

☐ Data Integrity

#### Question 4

0 / 0 pts

On a high level, what are the two processes that ensure that the distributed databases remain up-to-date and current

Correct!

☒ Replication

Correct!

☒ Duplication

☐ Centralization

☐ Routing