

# Database Network Interview Questions And Answers Guide.



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## Database Network Job Interview Preparation Guide.

### Question # 1

What is network database?

#### Answer:-

Network database is a collection of object-oriented, network and semi structured models or as some kind of object database.

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### Question # 2

Explain What is meant by Asymmetrical protocols?

#### Answer:-

There is a many-to-one relationship between clients and server. Clients always initiate the dialog by requesting a service. Servers are passively awaiting for requests from clients.

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### Question # 3

Explain What are TP-Lite and TP-Heavy Monitors?

#### Answer:-

TP-Lite is simply the integration of TP Monitor functions in the database engines. TP-Heavy are TP Monitors which supports the Client/Server architecture and allow PC to initiate some very complex multiserver transaction from the desktop.

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### Question # 4

Explain What are the two types of OLTP?

#### Answer:-

TP lite, based on stored procedures. TP heavy, based on the TP monitors.

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### Question # 5

Explain What are called Fat clients and Fat servers?

#### Answer:-

If the bulk of the application runs on the Client side, then it is Fat clients. It is used for decision support and personal software.

If the bulk of the application runs on the Server side, then it is Fat servers. It tries to minimize network interchanges by creating more abstract levels of services.

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### Question # 6

Explain What are Triggers and Rules?

#### Answer:-

Triggers are special user defined actions usually in the form of stored procedures, that are automatically invoked by the server based on data related events. It can perform complex actions and can use the full power of procedural languages.

A rule is a special type of trigger that is used to perform simple checks on data.

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### Question # 7

Explain a TP Monitor?

#### Answer:-

There is no commonly accepted definition for a TP monitor. According to Jeri Edwards' a TP Monitor is "an OS for transaction processing".



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### Question # 8

What is building blocks of Client/Server?

#### Answer:-

The client side building block runs the client side of the application.  
The server side building block runs the server side of the application.

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### Question # 9

Explain What are Super servers?

#### Answer:-

These are fully-loaded machines which includes multiprocessors, high-speed disk arrays for intensive I/O and fault tolerant features.

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### Question # 10

Explain What are the types of Transparencies?

#### Answer:-

The types of transparencies the NOS middleware is expected to provide are:-

- \* Location transparency
- \* Namespace transparency
- \* Logon transparency
- \* Replication transparency
- \* Local/Remote access transparency
- \* Distributed time transparency
- \* Failure transparency and
- \* Administration transparency.

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### Question # 11

Explain What are Service-specific middleware?

#### Answer:-

It is needed to accomplish a particular Client/Server type of services which includes:-

- \* Database specific middleware
- \* OLTP specific middleware
- \* Groupware specific middleware
- \* Object specific middleware
- \* Internet specific middleware and
- \* System management specific middleware.

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### Question # 12

Explain a Database Server?

#### Answer:-

With a database server, the client passes SQL requests as messages to the database server. The results of each SQL command are returned over the network. The server uses its own processing power to find the request data instead of passing all the records back to the client and then getting it find its own data. The result is a much more efficient use of distributed processing power. It is also known as SQL engine.

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### Question # 13

Explain meant by 3-Tier architecture?

#### Answer:-

In 3-tier Client/Server systems, the application logic (or process) lives in the middle tier and it is separated from the data and the user interface. In theory, the 3-tier Client/Server systems are more scalable, robust and flexible.

Example: TP monitor, Web.

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