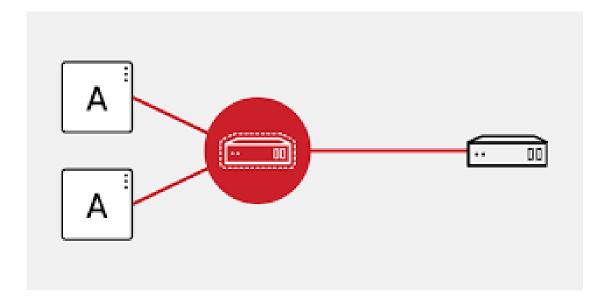


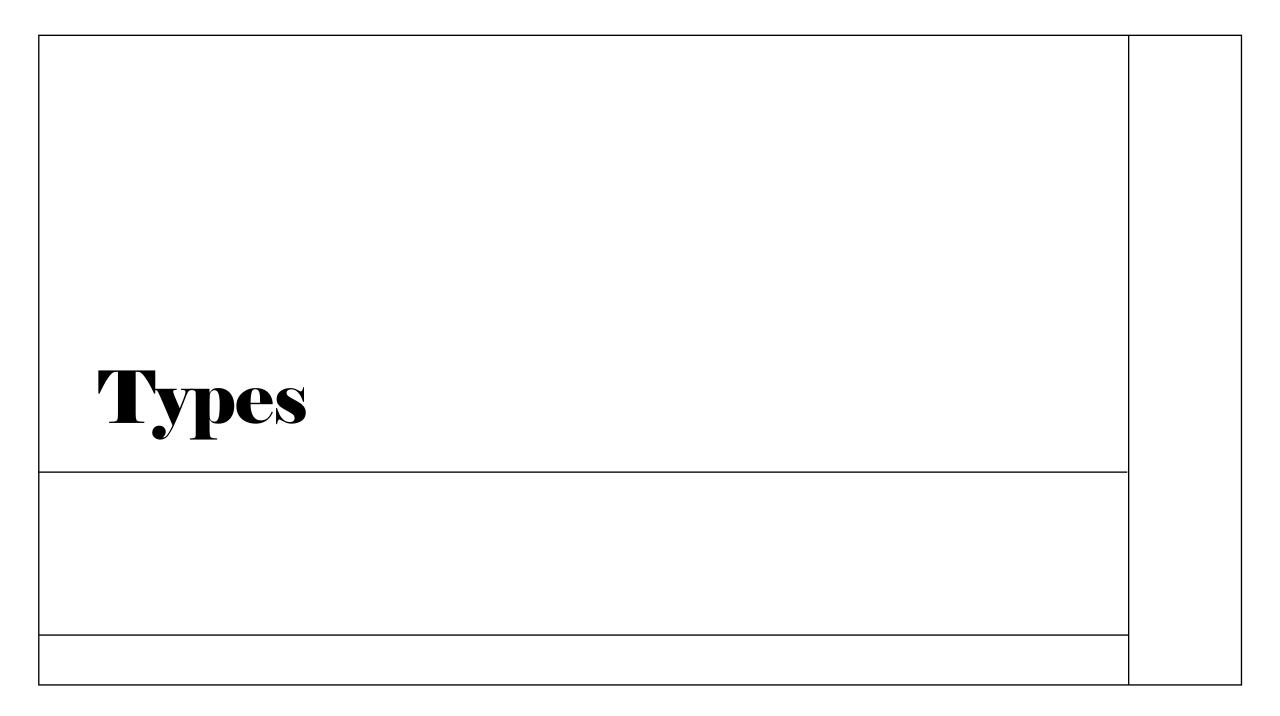
### What is Middleware

Is software that lies between an operating system and the applications running on it.



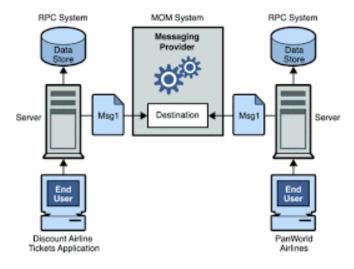
### How Middleware works

Enables developers to build applications without having to create a custom integration every time they need to connect to application components. It does this by providing services that enable different applications and services to communicate using common messaging frameworks



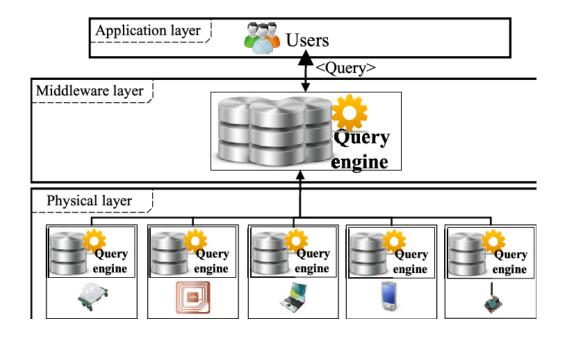
## Message oriented middleware (MOM)

Enables application components using different messaging protocols to exchange messages in distributed applications and services.



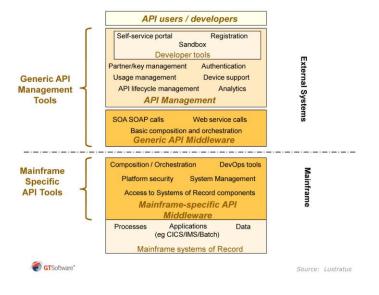
## Data or database middleware

Simplifies access to, and interaction with, back-end databases.



## API middleware

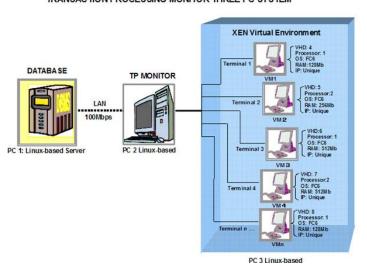
Provides tools that developers can use to create, expose and manage APIs for their applications, so that other developers can connect to them.

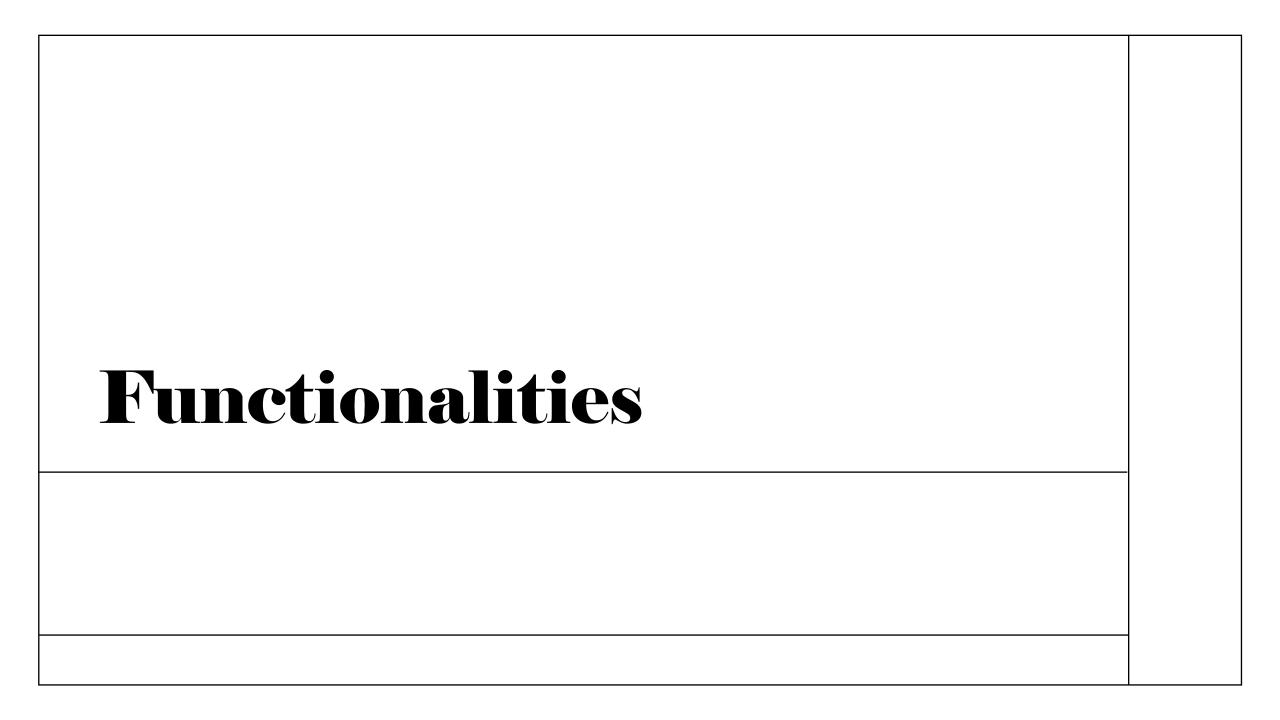


### Transactional middleware

Provides services to support the execution of data transactions across a distributed network.

### TRANSACTION PROCESSING MONITOR THREE PC SYSTEM





# Configure and control connections and integrations

Based on information in a client or front-end application request, middleware can customize the response from the back-end application or service.

## Secure connections and data transfer

Middleware typically establishes a secure connection from the front-end application to back-end data sources using Transport Layer Security (TSL) or another network security protocol.

# Manage traffic dynamically across distributed systems

When application traffic spikes, enterprise middleware can scale to distribute client requests across multiple servers, on premises or in the cloud.

## References

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- https://azure.microsoft.com/en-us/resources/cloud-computing-dictionary/what-is-middleware/
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