

# Client Server

The client-server model is a network architecture in which clients send requests for resources or services, and servers process these requests, returning the required responses. The OS is designed to manage resources and provide services to multiple users or client across ~~and~~ network. This model shifts the OS from being a standalone manager of one computer to a provider of shared services. The Architecture is divided into two distinct roles:

**The Server.** A powerful central computer that runs a specialized Network Operating System. It manage shared resources like files, printers, databases, and security protocols.

**The Client:** Individual workstations or devices that run their own local OS but request-specific tasks or data from the server.

Example windows server (2019/2022)

linux

macOS server