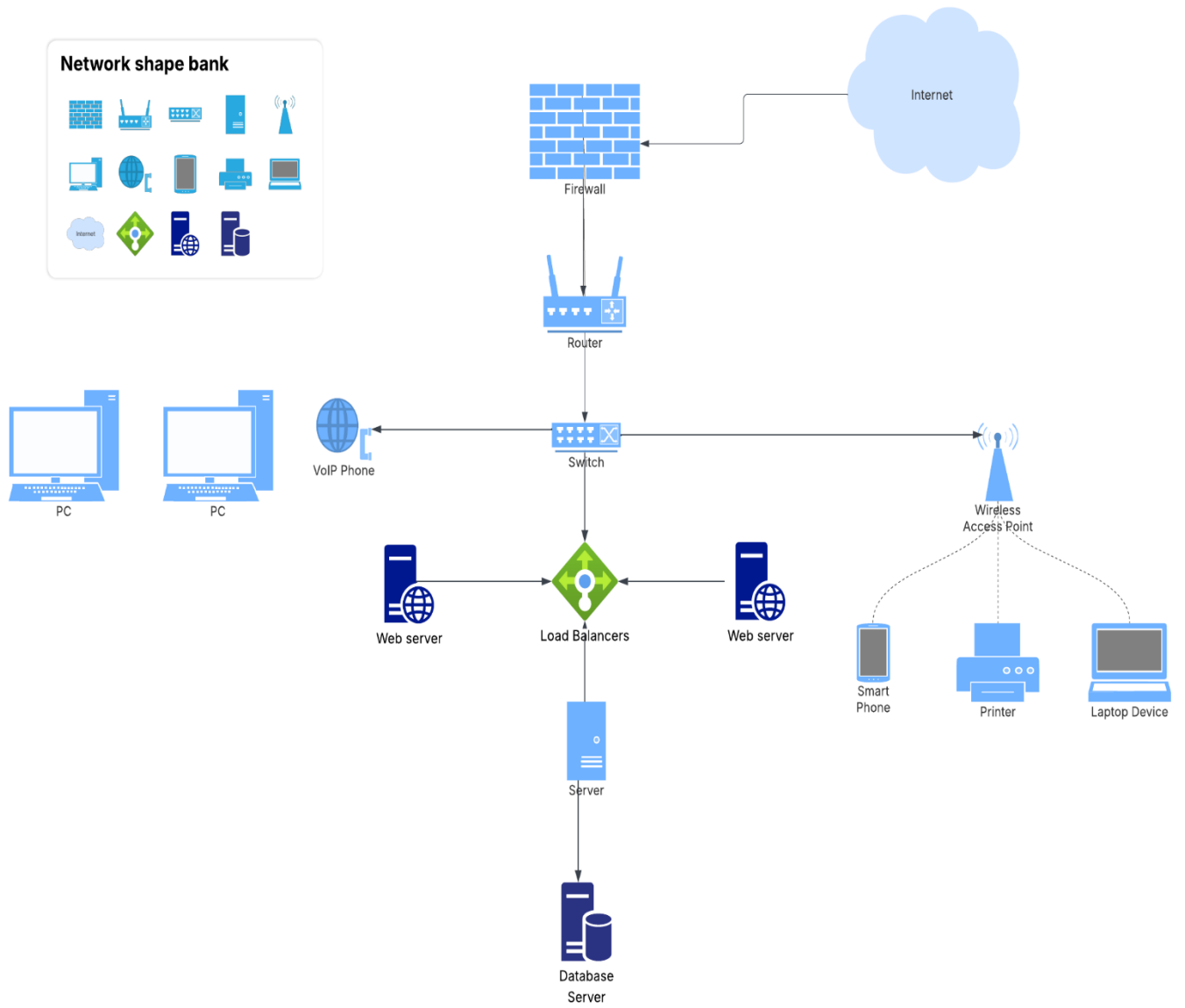


Network shape bank



Why did you construct your network the way that you did?

I designed my network with the firewall positioned between the Internet and the router to filter incoming traffic before it enters the LAN. The switch was placed after the router to serve as the central connection point for all internal devices, including PCs, VoIP phones, and wireless access points. A load balancer was added between the switch and the web servers to ensure efficient distribution of traffic, while the database server was placed behind the web servers to protect sensitive data from direct external access. This design reflects a layered security approach that balances functionality and protection.

What did you learn about constructing a secure network?

I learned that a secure network requires careful placement of devices and segmentation of resources. Firewalls should sit between the outside world and the internal network to block unwanted traffic. Load balancers increase availability and performance for web services, while database servers must remain hidden from direct access. Creating a logical diagram also made it easier to visualize how devices connect and communicate, which is essential when designing for both usability and security.