

The background of the slide features a large, faint watermark of the seal of the Politecnico di Torino. The seal is circular and contains the text "POLITECNICO DI TORINO" around the perimeter. In the center, there is a depiction of a building, likely a university building, with a crest above it. The seal is rendered in a light blue color that blends with the dark blue background.

Data Center Architecture

Mario Baldi

**Politecnico di Torino
(Technical University of Turin)
Computer Engineering Department**

<http://www.mario-baldi.net>

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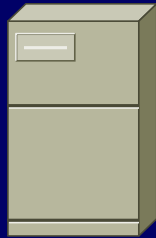
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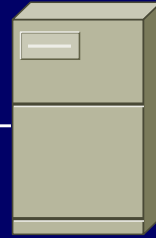
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Multi-tier applications

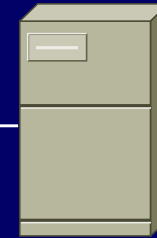
Web Server



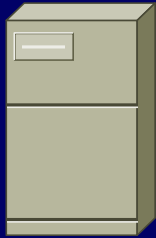
Application server



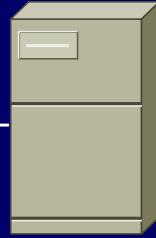
Data base server



Web Server



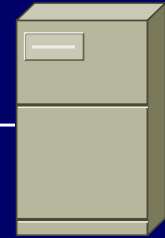
Java servlet



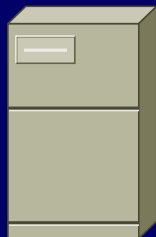
**Enterprise
Java Bean**



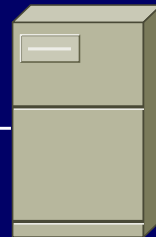
**Data base
server**



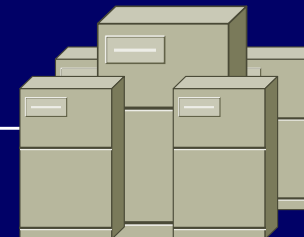
Web Server



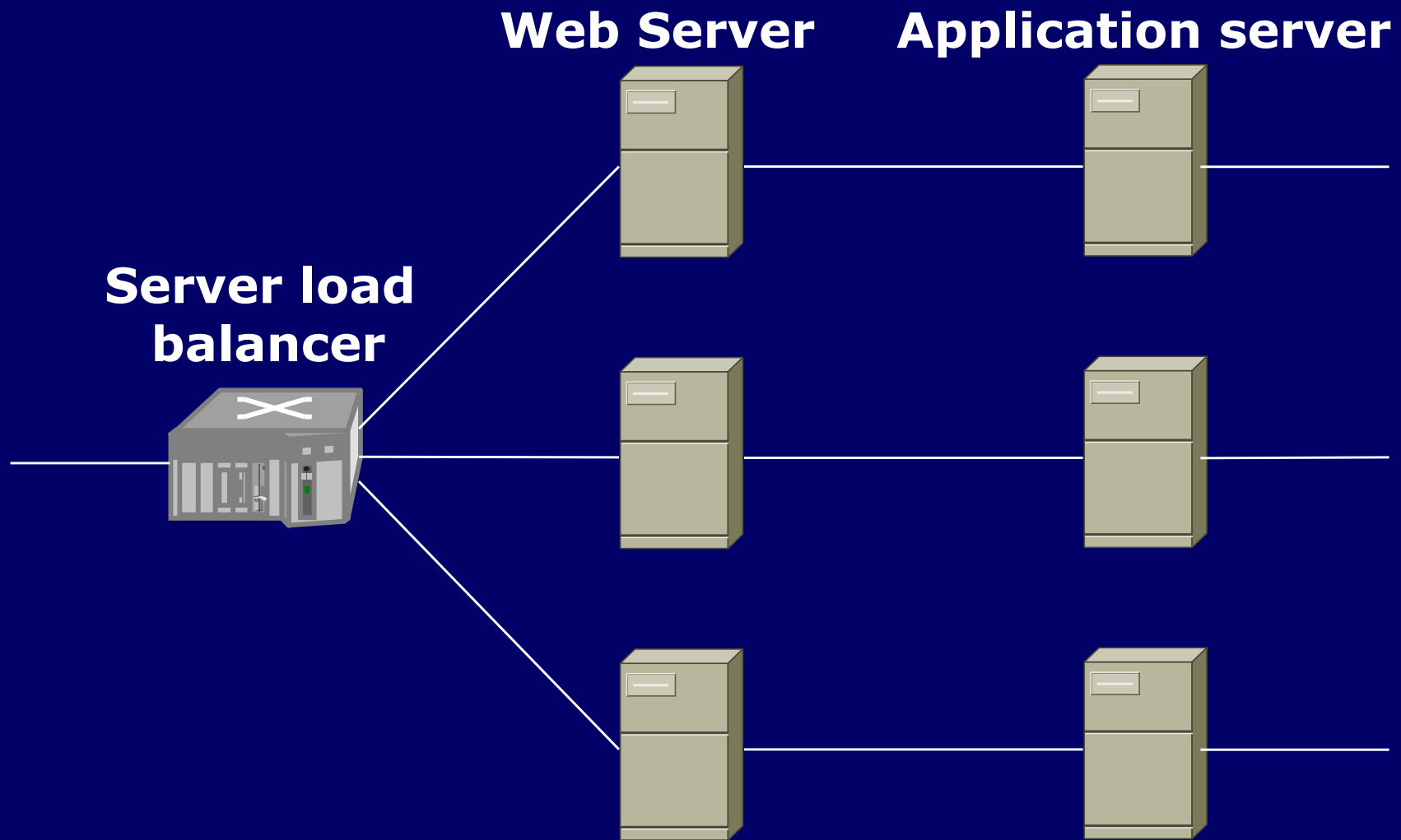
Application server



Mainframe

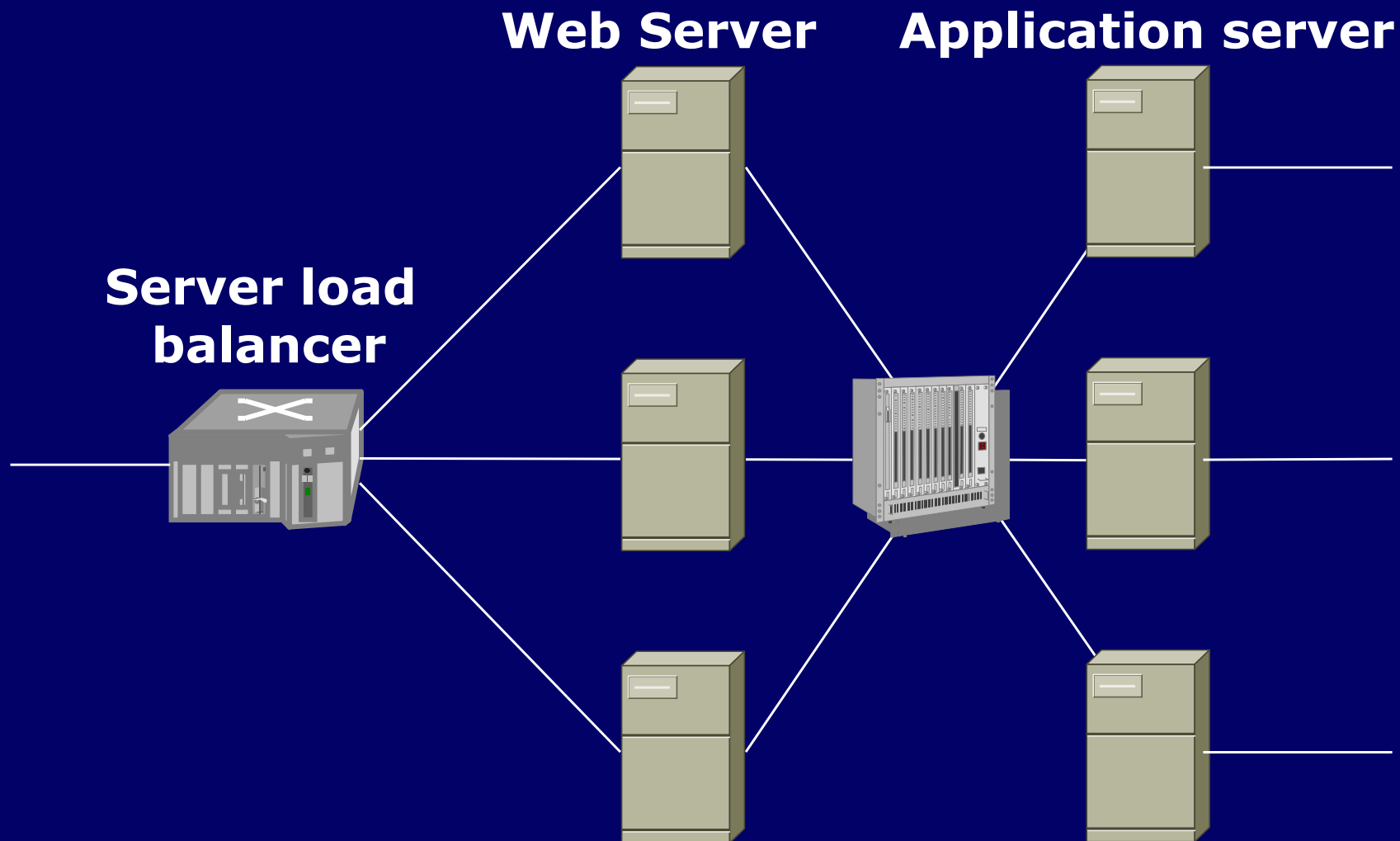


Load Balancing



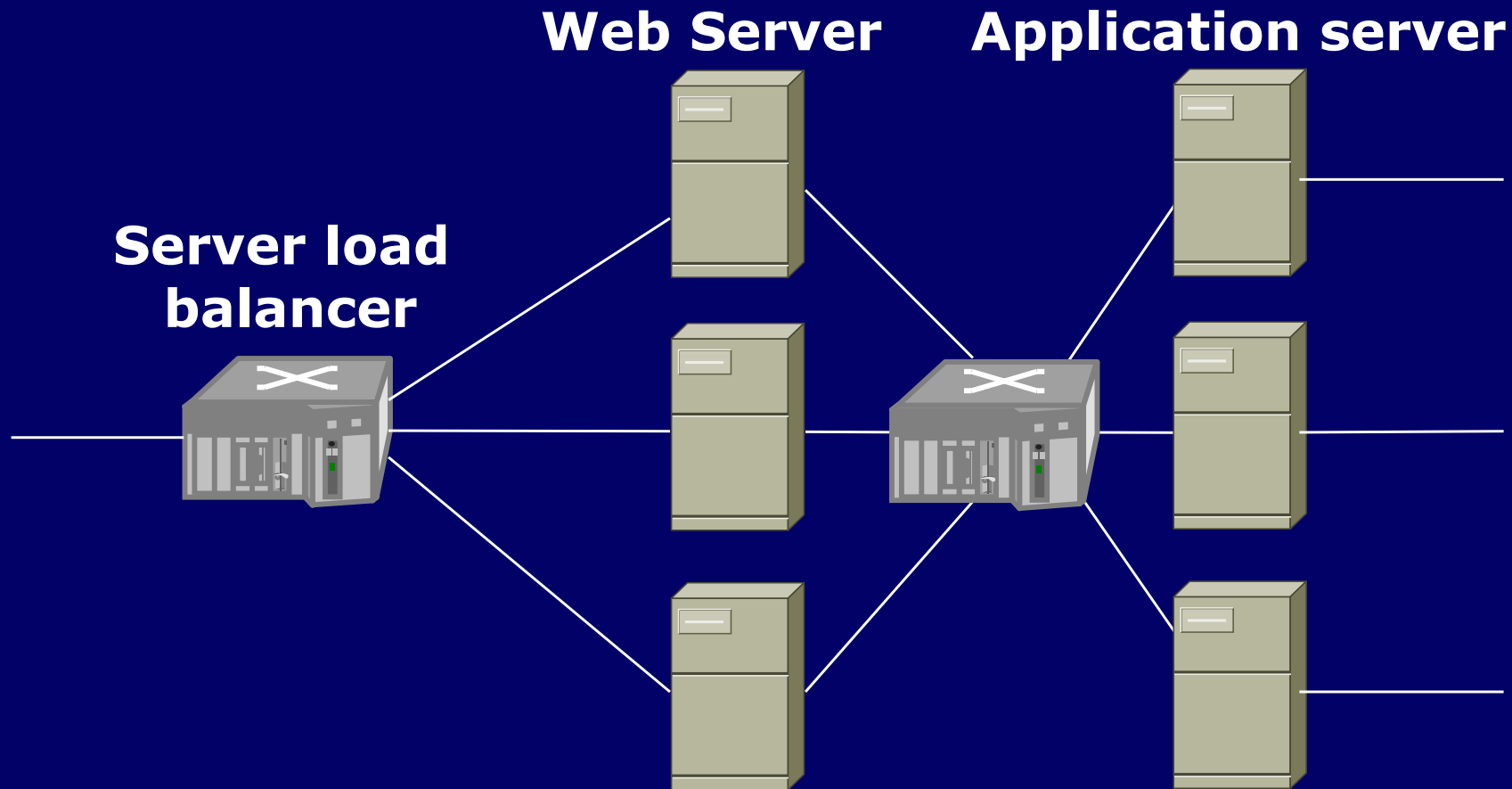
Load Balancing and Multi-Tier applications

Tier-2 server sharing

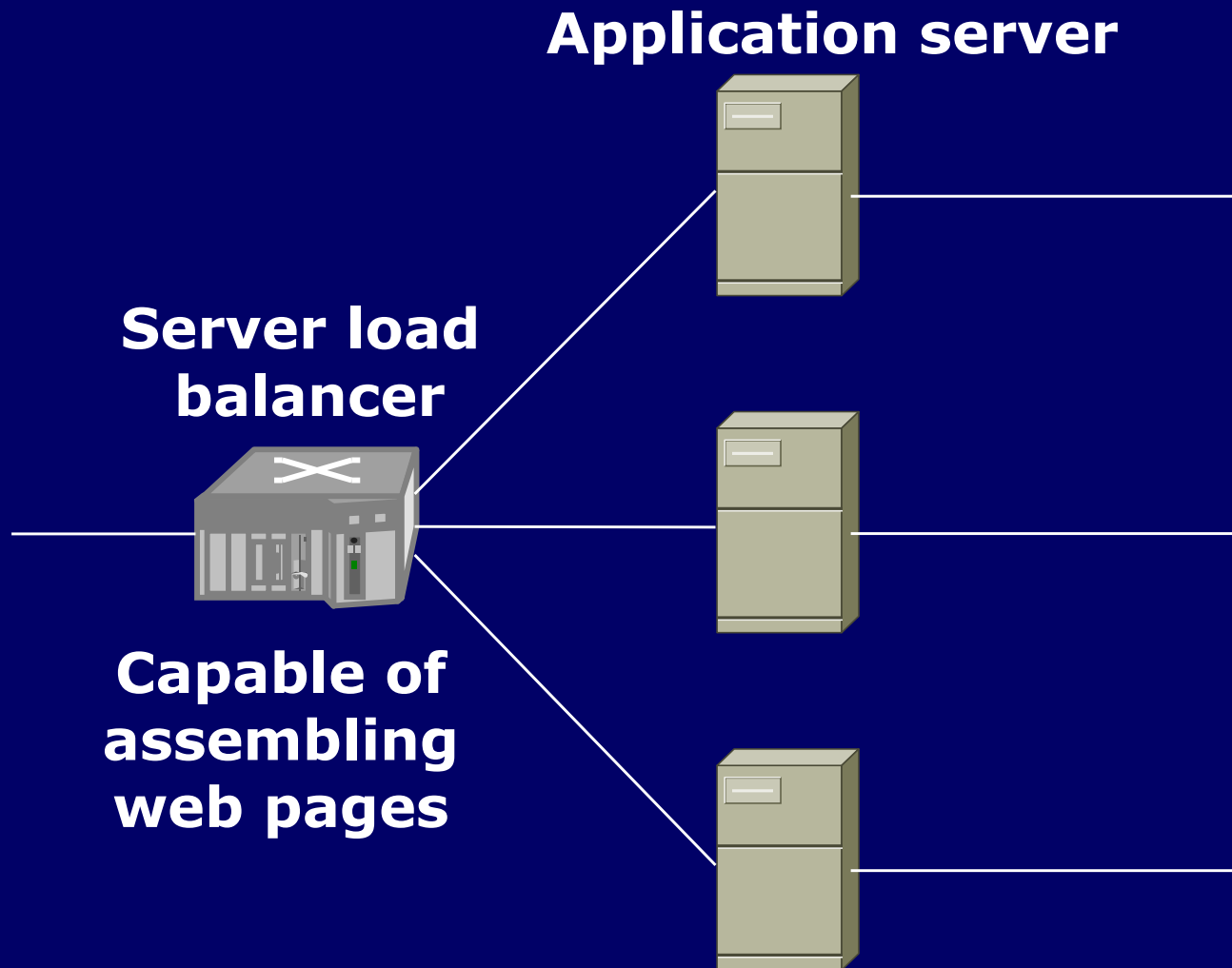


Load Balancing and Multi-Tier applications

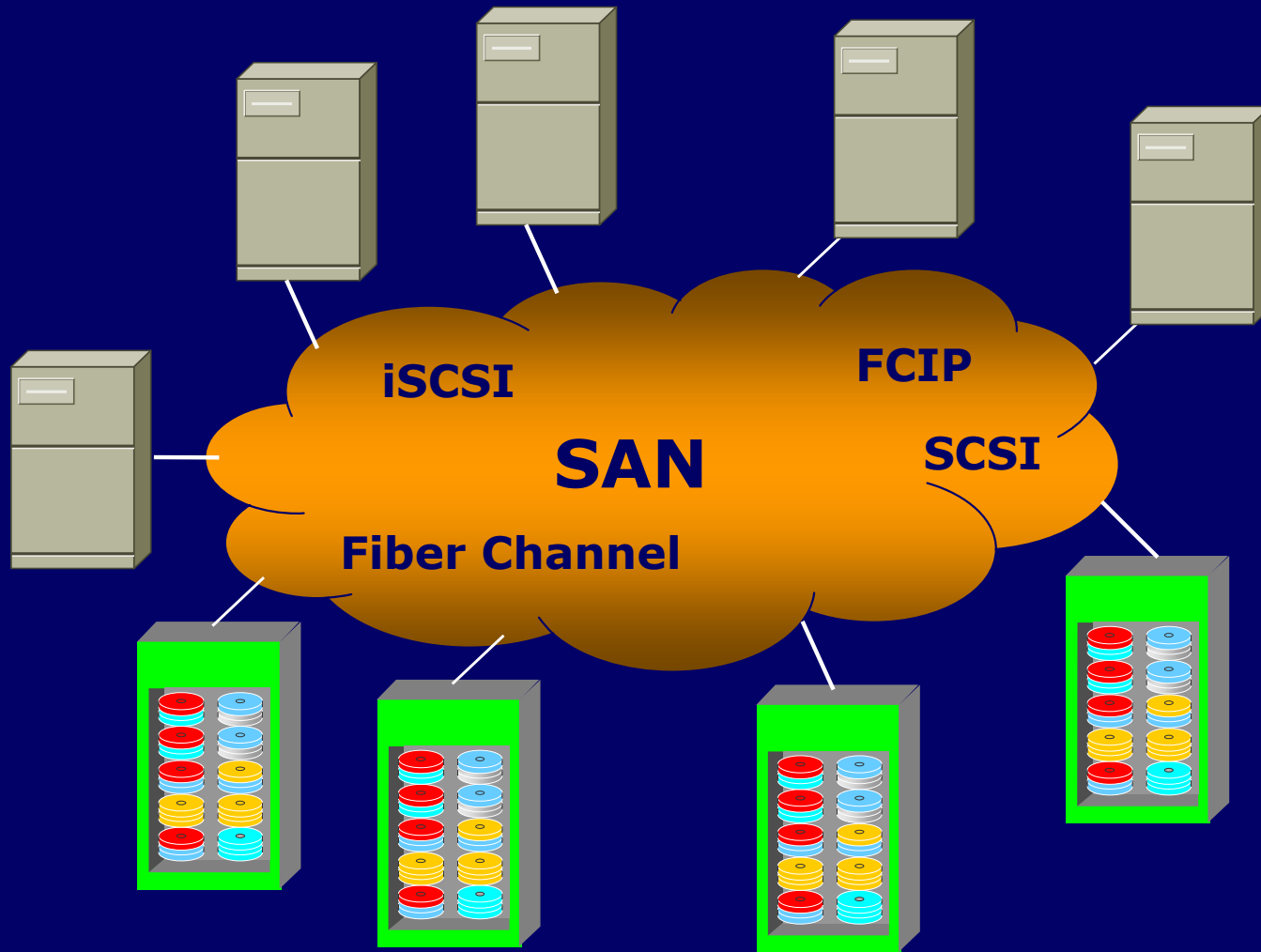
Load balancing on Tier-2 servers
(not recommended)



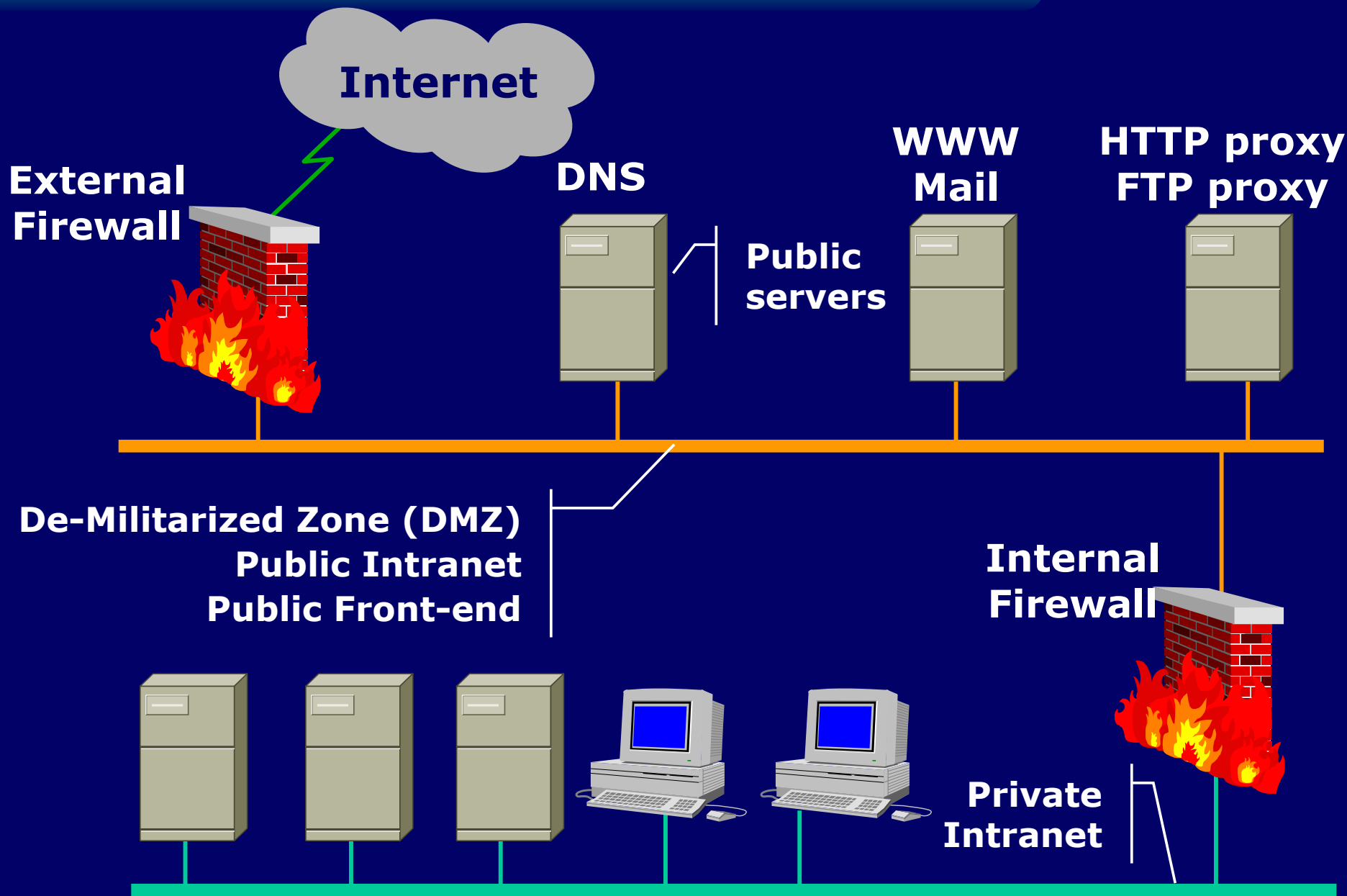
Load Balancing and Multi-Tier applications



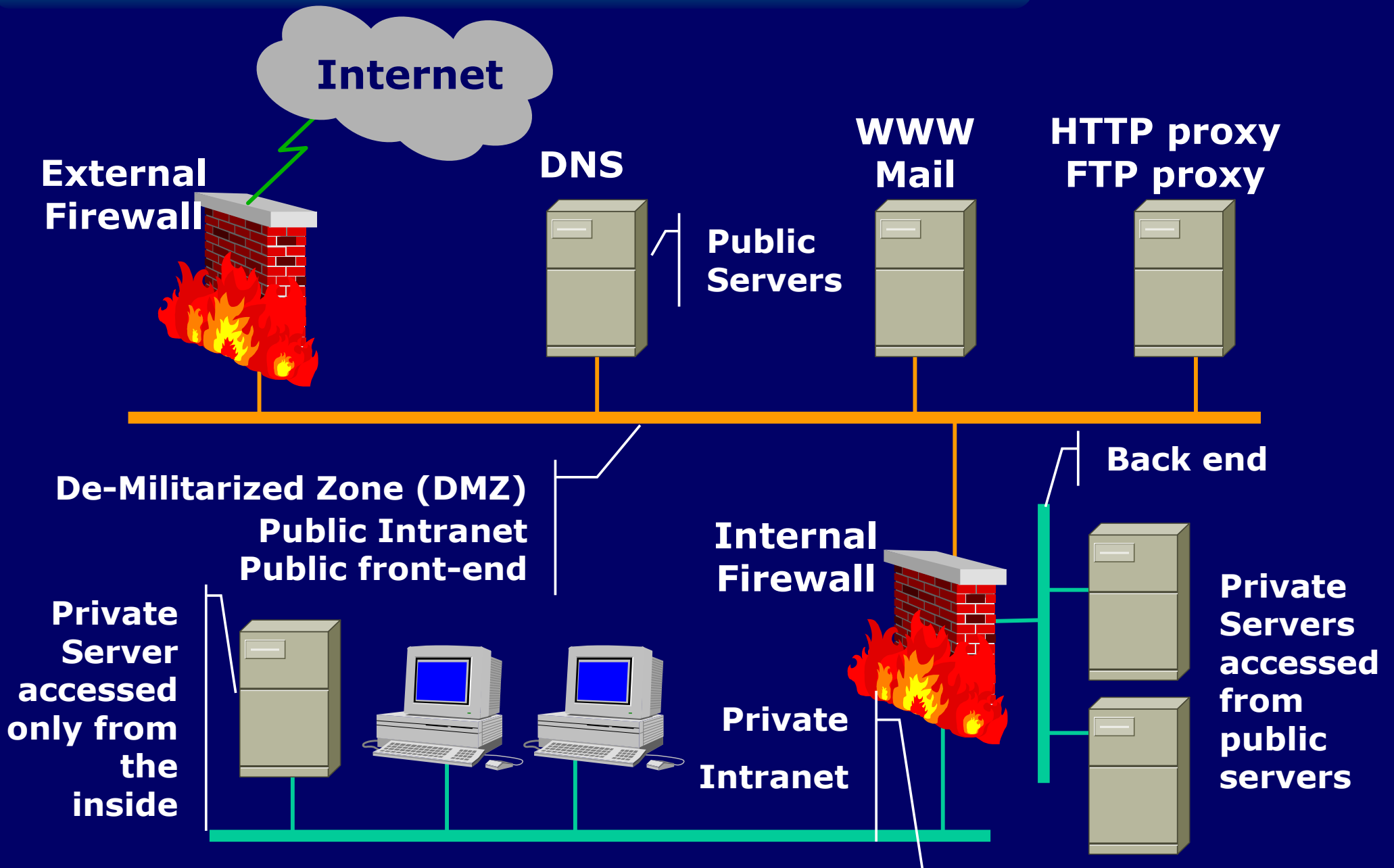
Storage Area Network (SAN)



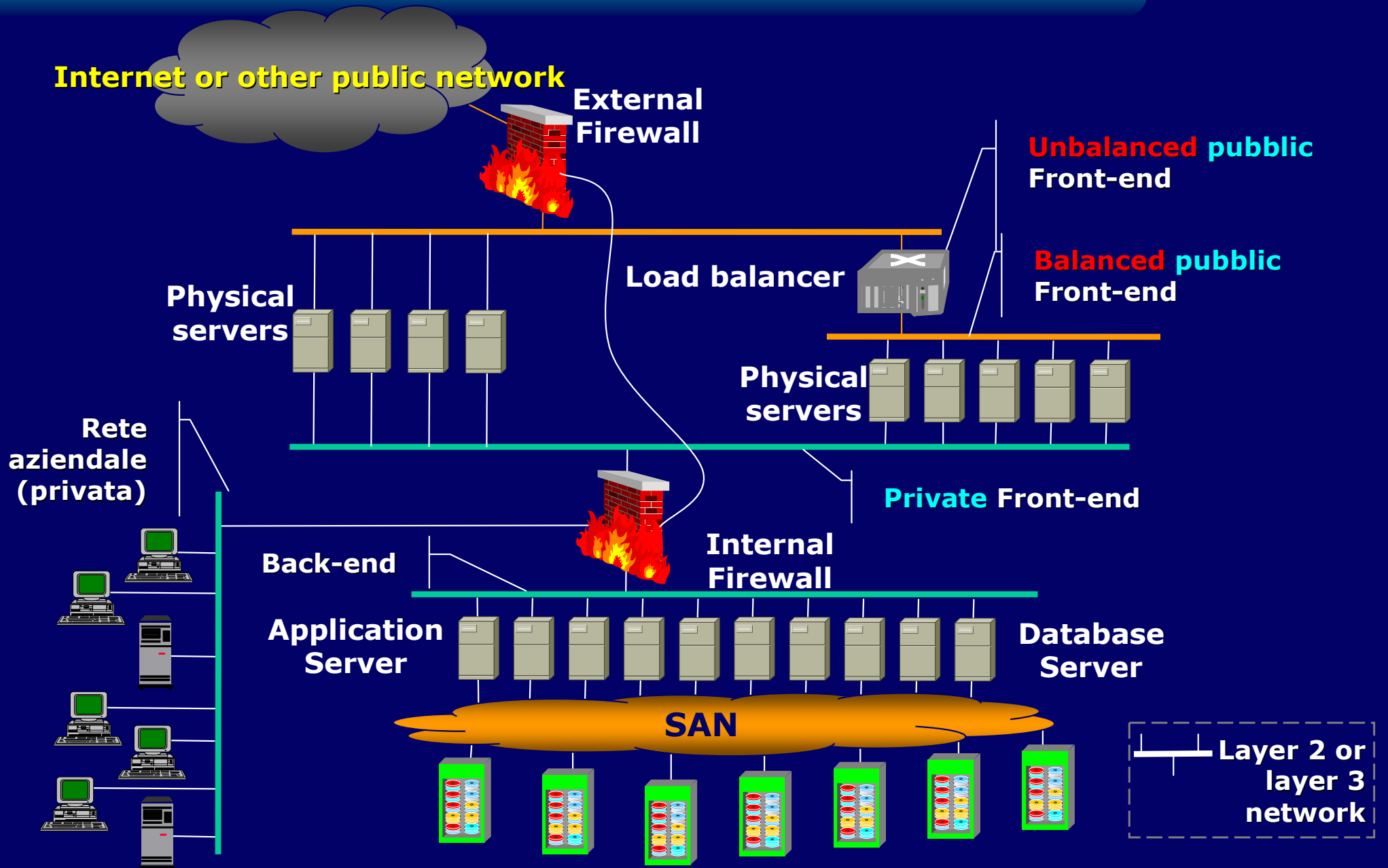
Public network access



Public network access



Security and load balance



Addressing

- Private addressing can be used
- A proxy is used to make hosts access external networks
- Static NAT to access servers
 - Services publication
 - Implemented by an external firewall