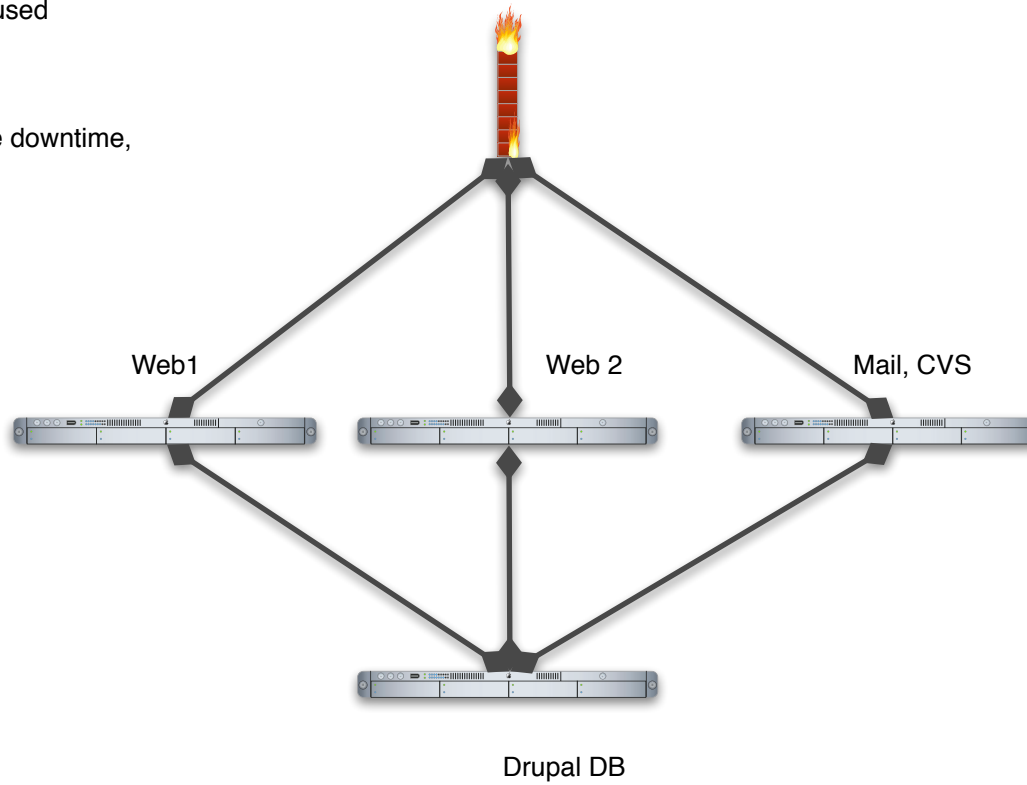


Drupal.org Old Infrastructure

Problems:

- Web servers not efficiently used
- RAM upgrades needed
- Database Bottleneck
- Will not scale 250% /year
- Performance, failures cause downtime, availability problems



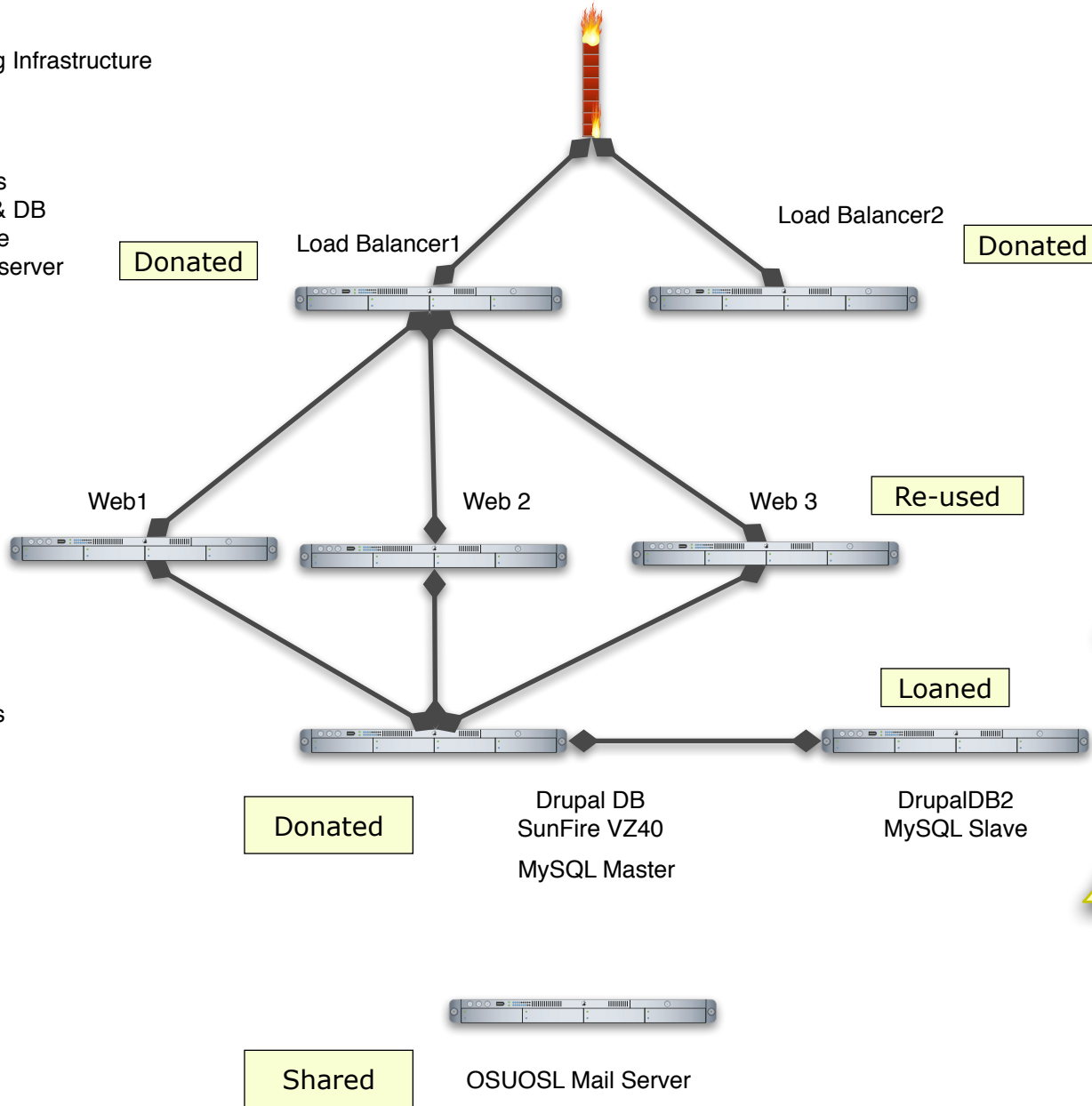
Firewall uses round robin division of load. Does not check if web server died. Not efficient use of web serving capacity.

Load is not evenly distributed across servers. Not using maximum RAM capacity of servers.

Database is bottleneck in architecture. Need more RAM for MySQL. Could use second db slave for back-ups, high availability failover.

Drupal.org Infrastructure

Improvements:
Load Balancers
RAM for Web & DB
Database Slave
Managed Mail server



Load balancers provide higher availability and more efficient use of hardware, hardware growth.

Three web nodes allow for more web page serving capacity, more memory sharing, re-use of old DB server

More powerful DB server allows for more data growth, faster searching. Master-slave allows for higher availability if we have a hardware failure. Read only database could help scale.

Using professional managed mail server reduces volunteer admin overhead, frees up server resources

RAM Upgrades
Web Server
Drupal DB

Drupal.org future infrastructure



- Improvements:
- Web Cache
- Memory Cache
- Read Only DBs

