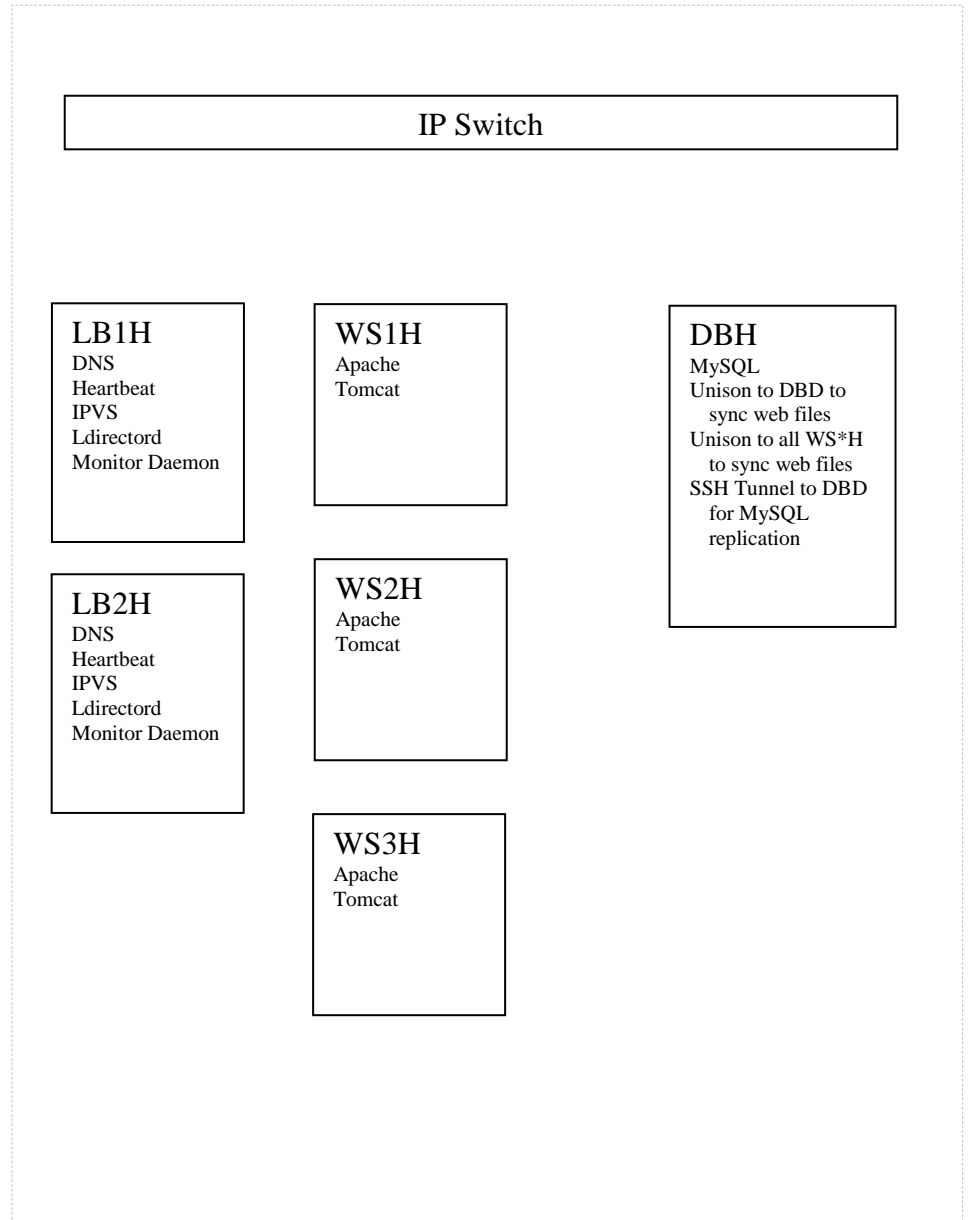
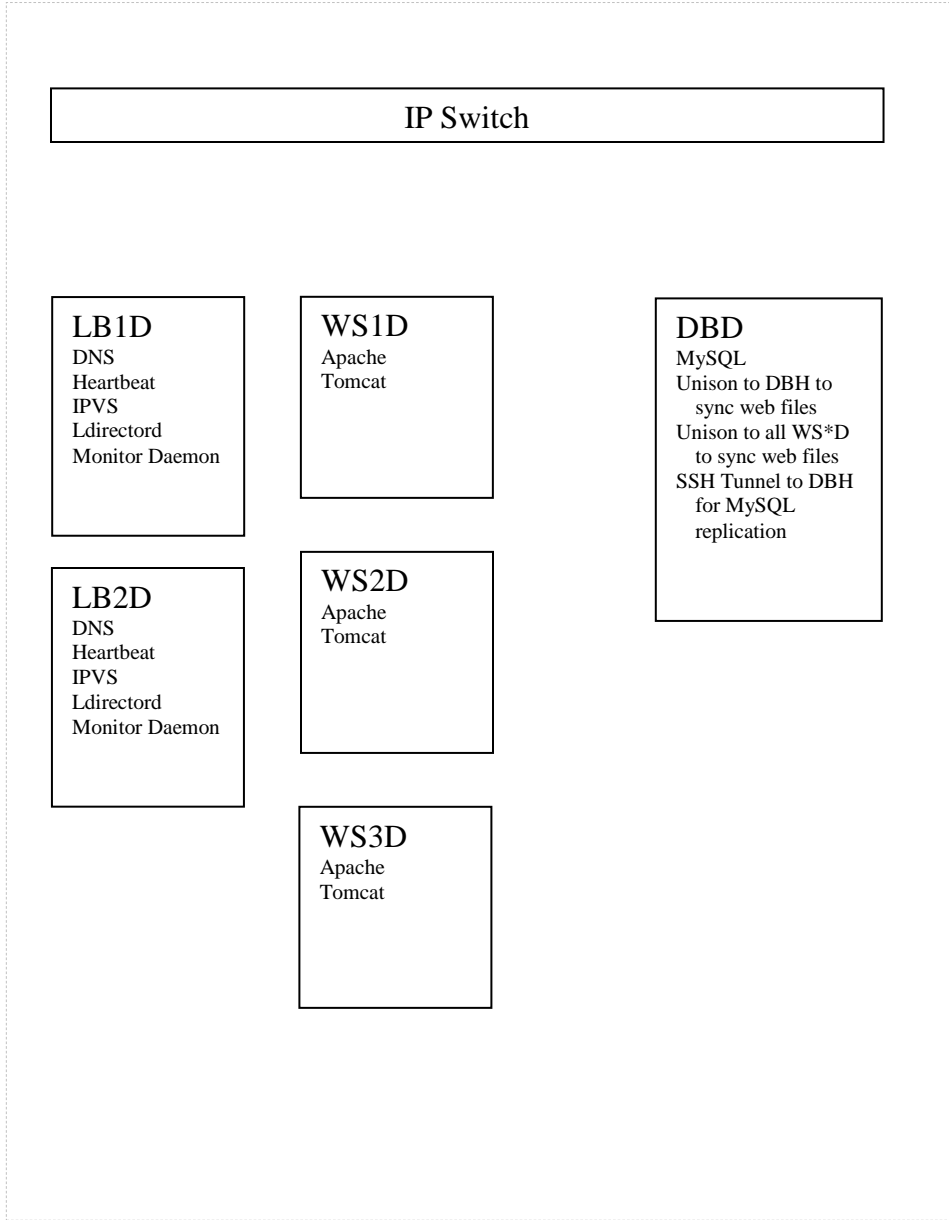


System Diagram



System Notes

There will be one virtual IP address per colo center.

The domain will list two name servers, one for each virtual IP address.

Load Balancers (LB*)

Heartbeat will direct the secondary to take over the virtual IP access if the primary becomes non-responsive.

Each load balancer runs a DNS server. The DNS zone will list only the virtual IP address associated with that load balancer.

IPVS will use dynamic feedback scheduling via data gathered by the Monitor Daemon.

IPVS will use the direct routing dispatching technique to efficiently distribute requests across the web servers.

Web Servers (WS*)

We need to disable ARP resolution for the virtual IP address.

Database Servers (DB*)

The DB servers will run MySQL master-master replication to keep themselves in sync.

The DB servers will run Unison to sync files with each web server. They will also run Unison to keep their local files in sync with the remote DB server.