Application Servers in West Region.

Users will be handed out IP addresses of Application servers based on the users location. West Coast users will be directed to West Coast Servers and East coast users will be directed to East Coast Servers.

App servers use a JDBC driver specifying all 4 server IP addresses.

And C3P0 connection pooling to connect to the databases.

Connections will be tried until one is successful. Connections will be retried if the connection fails.

Database Server 1 in
West Region. Running
PgPool and Postgres.
Starting Postgres
Server.

Watchdog using Heart beat

Database Server 2 in West Region. Running PgPool and Postgres. Starting Slave of Server 1.

Users will be handed out IP addresses of Application servers based on the users location. West Coast users will be directed to West Coast Servers and East coast users will be directed to East Coast Servers.

Internal Corporate Network Connecting AWS West Region to AWS East Region.

Application Servers in East Region.

Peered VPC's

Database Server 1 in East Region. Running PgPool and Postgres. Starting Slave of West Region Server 1. Database Server 2 in East Region. Running PgPool and Postgres. Starting Slave of East Server 1.