**Build a mini N-TIER architecture**

In this exercise, you will build an active/active setup based on Azure Web Apps

The frontend layer can only talk to the backend, which in turn can only talk to the data one.

You want to make sure that:

* clients are always sent to the fastest backend 🡺 you must be able to demonstrate this
* front door is able to identify unhealthy backends and forward requests to healthy backends only

The ideal scenario for the customer is the following:

Diagram

Description automatically generated

*Figure 1 – Active/Active setup across West Europe & North Europe*

In case, one region becomes unavailable, clients from the same region can be redirected to the other region.

Diagram

Description automatically generated

*Figure 2 –All clients forwarded to NE when WE is down*

To achieve this, you’ll need the following components:

* Azure App Service Plan
* Azure Web Apps
* Azure Front Door