

CLOUD-1

Documentation on installing a simple WordPress website on a cloud infrastructure.



Google Cloud Platform

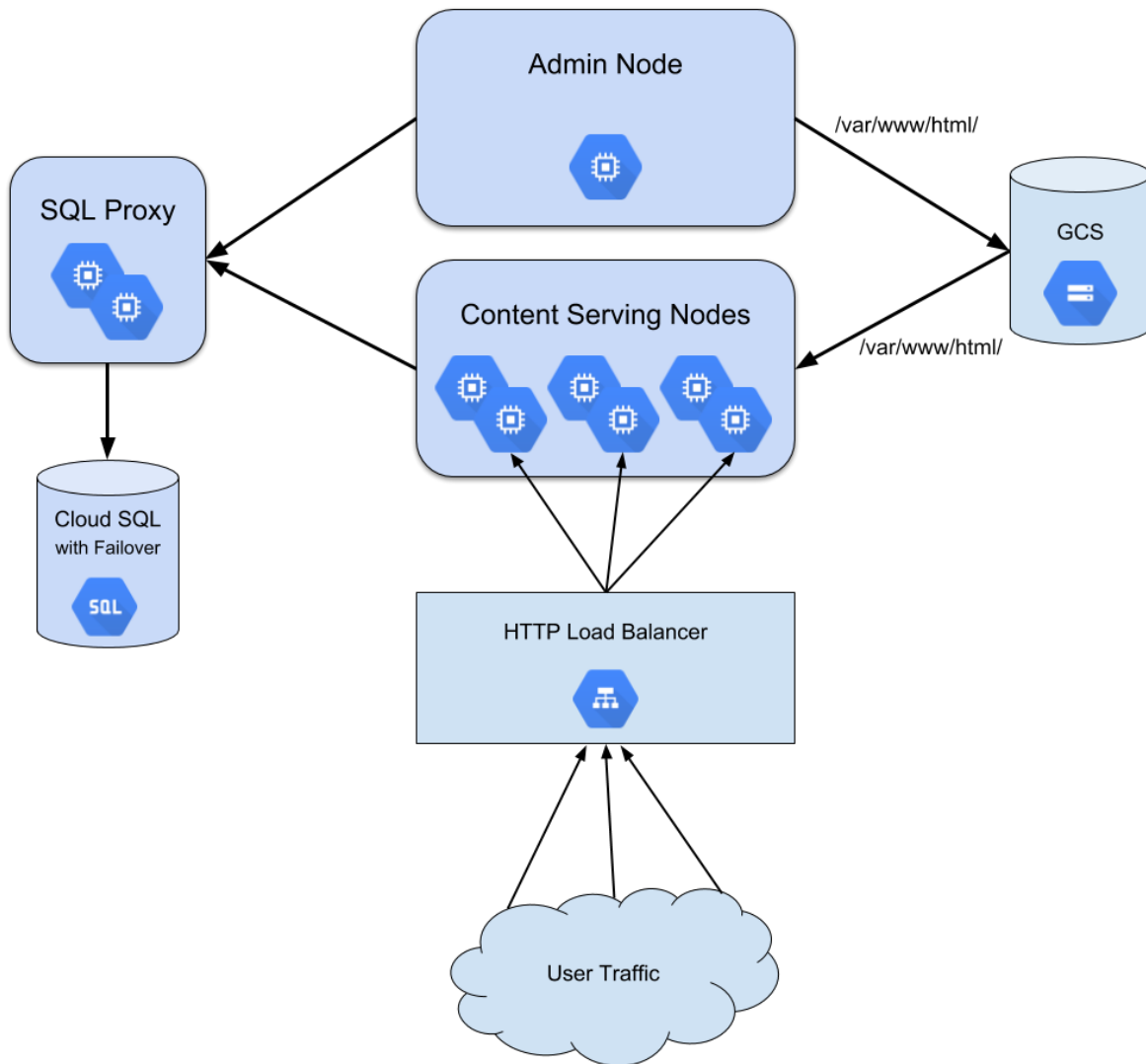
Simbiso Marwise

GOAL

The goal with this project was to host a Wordpress website on AWS adhering to the following rules:

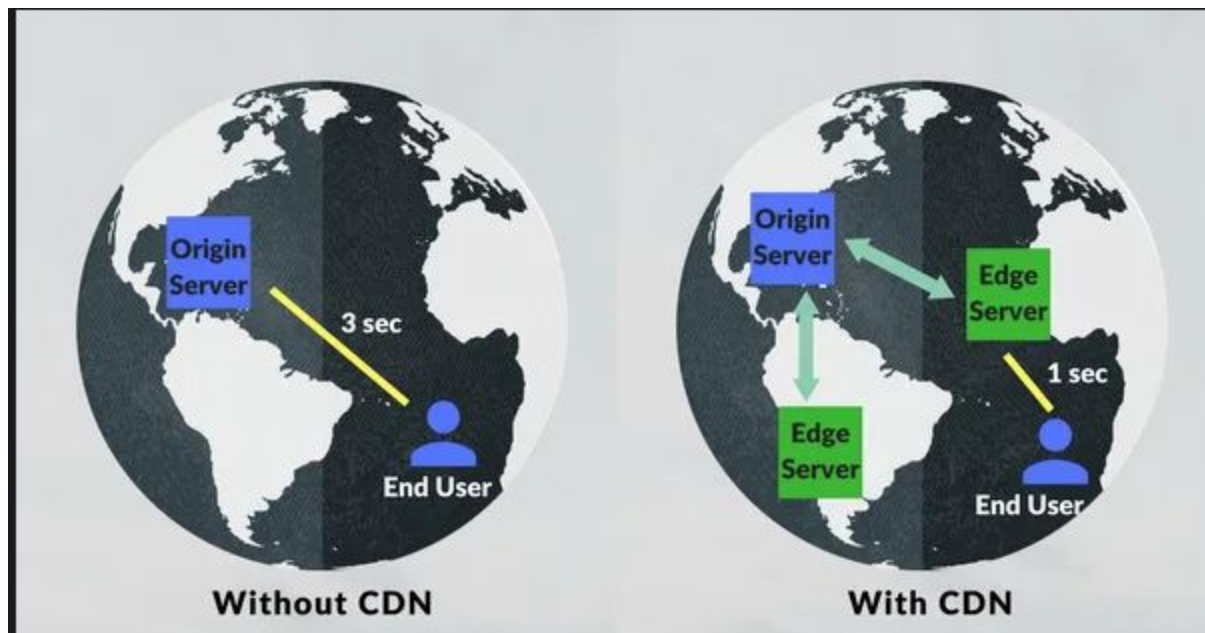
- the website must be running at all times on at least two servers if possible located in different server farms.
- some sort of mechanism will randomly and evenly redirect visitors to any of your servers
- traffic pikes will trigger the launch of other servers with perfectly synced data (and the other way around if the traffic fades)
- logged-in users will stay identified for the length of a normal session, no matter what
- static content should be distributed as best as you can (CDN)
- new content on the site should be available across all instances immediately (or at least within a few seconds)
- any failure should be handled so that your website is always available
- hosting cost should reflect your actual usage
- the public should not even be able to reach anything they have no reason to reach. If all works perfectly, certain things can be quite hidden, so find a way to prove that everything works as expected. You should make visible everything that can be shown, in order to help streamline the correction.

FLOW DIAGRAM



SETUP

- Head over to Google Cloud Console (<https://console.cloud.google.com/>), create an account if you don't have one.
- Create a new project, switch over into the project that you just created.
- Go to the marketplace and search for “Wordpress High Availability” and deploy it
- Go to “Network Services” and set up CDN



RESULTS

An up and active WordPress website running on Google Cloud.

