

High Traffic Website Example V-0.1

We have a high-traffic internet portal named hosting-101.com. Our site's traffic varies depending on the time intervals, particularly during promotional periods when our instant traffic can reach tens of thousands. Google SEO score is very important to us to rank first in search results, considering both SEO score and user score, page loading time is crucial.

Our site constantly receives attacks, and these attacks come simultaneously from different countries and IP addresses.

The website needs daily backup. This should be taken into consideration during the configuration.

The website runs on the WordPress infrastructure and has the following features:

- PHP version; 8.1
- Database; MariaDB
- Website size; 30GB
- Memcached for caching

Steps:

1. Preparation and presentation of a suitable AWS architecture with Draw.io.
2. Calculation and presentation of the cost estimation through AWS Calculator.
3. Detailed design of the approved network architecture, creation of VPC, determination of CIDR blocks, and calculation and demonstration of subnets.
4. Preparation of the POC for phase 1 according to the flow.