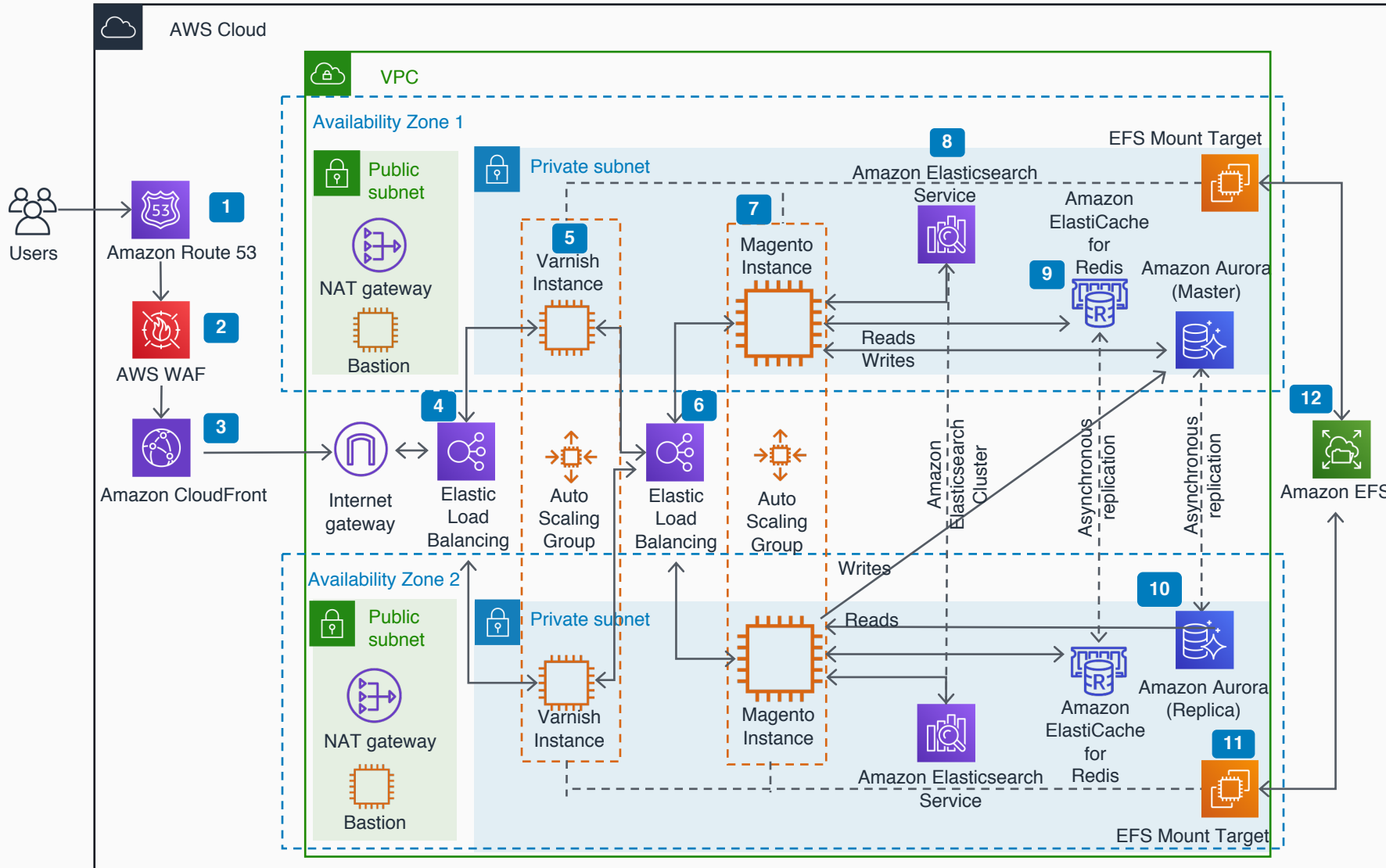


Hosting Magento® eCommerce Software on AWS

Architecture for deploying the open source or enterprise versions of Magento e-commerce software on AWS.



- 1 Amazon Route 53 provides DNS configuration.
- 2 AWS WAF is web application firewall that protects Magento against common web exploits.
- 3 Amazon CloudFront is a fast content delivery network (CDN) that speeds up distribution of static and dynamic web content.
- 4 First Elastic Load Balancing (Application Load Balancer) distributes traffic across Varnish instances in an AWS Auto Scaling group in multiple Availability Zones.
- 5 Varnish Cache is a web application accelerator caching HTTP reverse proxy. The Enterprise version, available via AWS marketplace, is recommended as it has better features to support cloud backends and cache-purge across dynamic hosts
- 6 Second Elastic Load Balancing (Application Load Balancer) distributes traffic from Varnish Cache across the AWS Auto Scaling group of Magento instances in multiple Availability Zones.
- 7 Install the latest version of Magento open source or Magento Commerce edition on Amazon EC2 instances. Installation consists of Magento application, Nginx webserver and PHP. Build the Amazon Machine Image (AMI) to launch new instances in Auto Scaling group.
- 8 Amazon Elasticsearch Service is managed elastic search service for Magento catalog search.
- 9 Amazon ElastiCache for Redis provides a caching layer for database.
- 10 Use Amazon Aurora or Amazon RDS to simplify database administration (including high availability and multi-master configuration).
- 11 EFS mount targets facilitate mapping the Amazon Elastic File System (Amazon EFS) to Varnish and Magento instances.
- 12 Use Amazon EFS to access shared config across Varnish and shared media assets across Magento instances.

