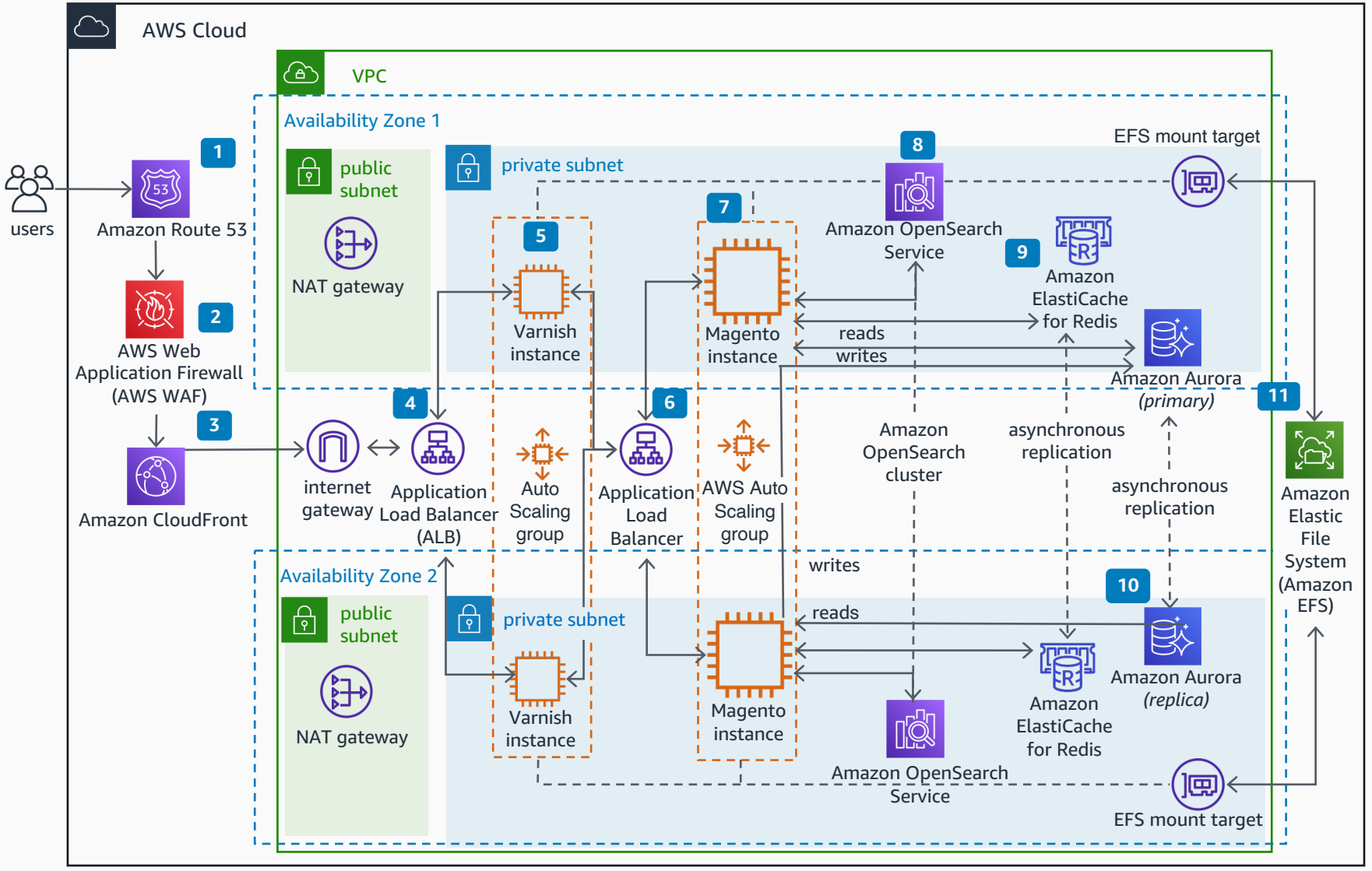
Adobe Commerce and Magento Open Source on AWS

Architecture for deploying Adobe Commerce or Magento Open Source on AWS.



1. **Amazon Route 53** routes end user requests resolving domain name service (DNS) and provides global traffic management capabilities.
2. **AWS WAF** helps protect Magento from common web exploits that can effect application availability, compromise security, or consume excessive resources.
3. **Amazon CloudFront** is a fast content delivery network (CDN) that speeds up the distribution of static and dynamic web content.
4. An internet-facing **ALB** distributes HTTP/S requests to Varnish instances in an **AWS Auto Scaling** group across multiple Availability Zones.
5. Optionally, Varnish Cache, a web application accelerator, can be used to reduce response times. The Enterprise version, available on the **AWS Marketplace**, is recommended, as it includes advanced scaling and management features.
6. An internal **ALB** distributes traffic from Varnish Cache across Magento instances in an **Auto Scaling** group across multiple Availability Zones.
7. **Amazon EC2** instances running the Magento Open Source or Adobe Commerce software in an **Auto Scaling** group, offering high availability and dynamic scaling.
8. An **Amazon OpenSearch Service** cluster provides a fully managed search solution for the Magento catalog.
9. **Amazon ElastiCache for Redis** provides in-memory session storage and database request caching.
10. **Amazon Aurora** provides a fully managed, high performance relational database solution with high-availability enabled by Multi-AZ deployments.
11. **Amazon Elastic File System (Amazon EFS)** stores and shares content with the **Auto Scaling** groups.

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AWS Reference Architecture