

## Key components of an AWS web hosting architecture:

1. DNS services with Amazon Route 53 – Provides DNS services to simplify domain management.
2. Edge caching with Amazon CloudFront – Edge caches high-volume content to decrease the latency to customers.
3. Edge security for Amazon CloudFront with AWS WAF – Filters malicious traffic, including cross site scripting (XSS) and SQL injection via customer defined rules.
4. Load balancing with Elastic Load Balancing (ELB) – Enables you to spread load across multiple Availability Zones and AWS Auto Scaling groups for redundancy and decoupling of services.
5. DDoS protection with AWS Shield – Safeguards your infrastructure against the most common network and transport layer DDoS attacks automatically.
6. Firewalls with security groups – Moves security to the instance to provide a stateful, host-level firewall for both web and application servers.
7. Managed database with Amazon Relational Database Service (Amazon RDS) – Creates a highly available, multi-AZ database architecture with six possible DB engines.
8. Static storage and backups with Amazon Simple Storage Service (Amazon S3) – Enables simple HTTP-based object storage for backups and static assets like images and video.