Research Assignment

Provide a comprehensive overview of Amazon Web Services (AWS) Route 53.

Explaining the Key features:

- Domain Registration
- DNS Routing
- Traffic Management
- Health Checks and Failover
- DNS Security

Common use cases.

- Hosting websites
- Load balancing traffic
- Disaster recovery
- Global content delivery
- Routing based on health checks.
- Managing domain names

DNS Routing Strategies:

- Simple routing
- Weighted routing
- Latency-based routing
- Geolocation-based routing
- Multi-value routing
- Failover routing

Demo

Host a Website on AWS, set up a personal website using Amazon S3 and Route 53.

This will require you to get a custom domain with Route 53 and access your website using the custom domain.

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