

Quiz: Route 53

Chandra Lingam, Copyright © 2019 Cloud Wave LLC. All Rights Reserved.

1. Default Time To Live (TTL) value for DNS resource records in Route53 is set to:
 - A. 30 seconds
 - B. 1 hour
 - C. 24 hours
 - D. There is no default value. Every TTL record requires an explicit TTL value to be specified
2. Time To Live (TTL) value for Route 53 Alias Record is:
 - A. User configured Value in Route 53 Alias Record
 - B. Route53 uses TTL Settings configured in the service that alias records point to
 - C. 24 hours
3. You would like to point your zone apex (example.com versus www.example.com) to your web application hosted in AWS. Web application uses Elastic Load Balancing. In order to configure Route 53 Zone Apex record to ELB end point, you can use:
 - A. Use Route53 Alias record
 - B. Use A/AAAA Resource Record to map your zone Apex to web application
 - C. Use CNAME resource record to create an alias for zone apex to web application mapping
4. You want to configure your Route 53 to point to all your domain email traffic to your Mail Servers. In order to do so, you would need to use
 - A. A or AAAA record
 - B. MX Record
 - C. Alias Record
 - D. CNAME Record
5. You want to distribute your media content only within select countries. What capability of Route 53 would you use?
 - A. Latency based routing
 - B. Weighted routing
 - C. Geo location based routing
 - D. Region Based Routing
 - E. Country specific routing is not supported
6. Application uses Geo Location Based Routing on Route 53. Route 53 receives a request from an IP Address and Route 53 is unable to detect the geo location for that IP Address. In this case what will be Route 53's response?
 - A. Default location record is returned
 - B. No Answer response is returned
 - C. Default location is returned if default record is configured. Otherwise No Answer response is returned
 - D. Route 53 uses latency information to route to nearest Server

7. You have resources in two regions and would like to send bulk of the traffic to one region and remaining traffic to the second region. What routing policy would you use in Route 53?
 - A. Latency based routing
 - B. Geo location based routing
 - C. Region Based Routing
 - D. Weighted routing
8. You would like to run your application in multiple regions to optimize performance for your users. What routing would you use to route traffic so that users have best performance.
 - A. Latency based routing
 - B. Geo location based routing
 - C. Region Based Routing
 - D. Weighted routing
9. Can you share same Private DNS Hosted Zone entries with multiple VPCs across different regions?
 - A. Yes
 - B. No

Answers:

1. D - Amazon Route 53 does not have a default TTL for any record type
2. B - When using Alias Resource Record Set, Amazon Route 53 uses the TTL settings of the service it is pointing to (CloudFront, Elastic Beanstalk, Elastic Load Balancing, or Amazon S3 TTLs and so forth)
3. A - To point Zone Apex Record to another AWS supported end point, you need to Alias resource record set.
4. B – MX Record is used for specifying mail servers in your domain
5. C - Route 53 Geo location based routing can be configured at Continent, Country and for some regions at State level
6. D - Weighted Routing allows you to assign weights to resource record sets in order to specify the frequency with which different responses are served.
7. D
8. A - Latency based routing will route end users to the AWS region that provides the lowest latency
9. A – You can enable multiple VPC across same or different regions in a Private Hosted Zones