Section 7: Route 53

AWS Solution Architect Associate

# 78. Route 53 Overview

Graphical user interface, text, application

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Diagram, schematic

Description automatically generated

Graphical user interface, text, application, email

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# 79. Route 53 – Hands On

Test is your DNS name maps to the correct IPv4 address:

* On windows:  
  Text

  Description automatically generated
* On Mac:

Text

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# 80. Route 53 – EC2 setup

# 81. Route 53 – TTL

TTL is a way for the web browser and client to cheche the response of a DNS query, so we do not overload the DNS.

When we make a request from web browser to Route 53, it will send back the IP and TTL. Web browser will cheche that DNS request, response for the TTL duration. Anytime you request the same DNS query, browser will look internally into its own cheche, it will not ask Route 53 again.

A picture containing diagram

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# 82. Route 53 CNAME vs Alias

Graphical user interface, text, application, email

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## ExamTip:

* If you have a ROOT domain, you have to use a Alias.
* For NON-ROOT domain, you can use CNAME or Alias …. However Alias is a better choice as it connects to AWS resources for free of cost.

# 83. Routing Policy – Simple

Graphical user interface

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Graphical user interface, text, application

Description automatically generated

* In Simple Routing policy, a web browser will first make a DNS query and will get one of the two IP address mentioned.
* The TTL is set to 60 sec here. So for next 60 sec, browser will not make any further call to Route 53

# 84. Routing Policy – Weighted

Shape, arrow

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- Sum does not have to be 100, it is just some numbers

Graphical user interface, text, application

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Graphical user interface, text, application

Description automatically generated

# 85. Routing Policy – Latency

A picture containing text, person

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# 86. Route 53 Health Checks

Text, letter

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# 87. Routing Policy – Failover

Diagram

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88. Routing Policy – Geolocation

89. Routing Policy – Multi Value

Table

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# 90. 3rd Party Domains and Route 53

Graphical user interface, text, application

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Graphical user interface, text, application

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NS – Name Space

Question: How do you integrate a 3rd Party domain with Route 53?

Ans: Create your domain elsewhere but have the name server of your elsewhere point directly to your hosted zone.

Graphical user interface, text, application

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