

Routing Traffic to AWS Resources through Route 53

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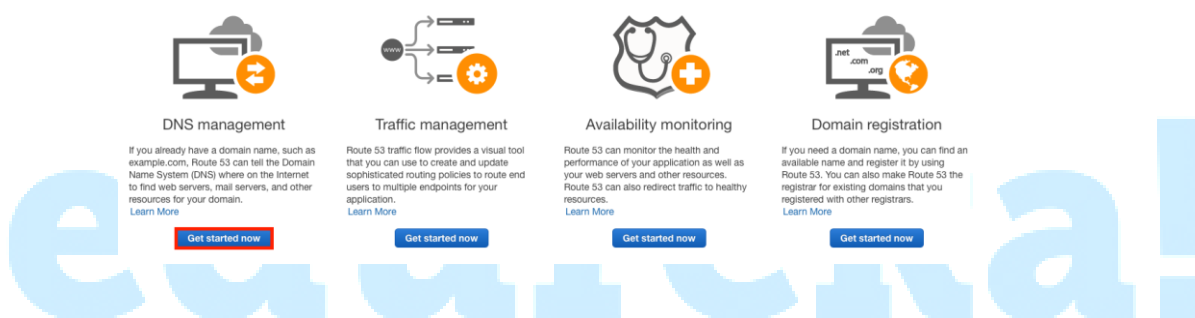
Route 53 – Routing Traffic to AWS Resources

In this lab tutorial, we will see step-by-step procedure to route your domain's traffic to AWS resources like an EC2 instance and an Elastic Load Balancer.

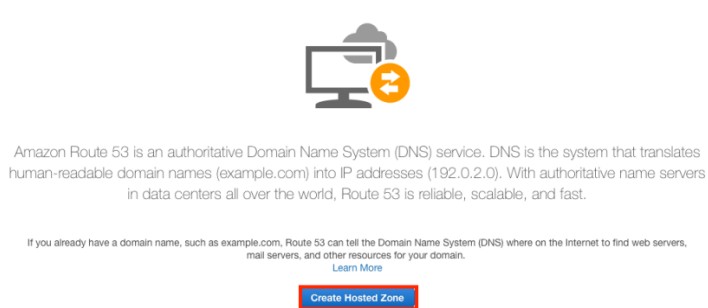
Routing Traffic to an EC2 Instance

If you're hosting a website on an Amazon EC2 server and you want to use Amazon Route 53 as the DNS service for your domain, follow the steps below.

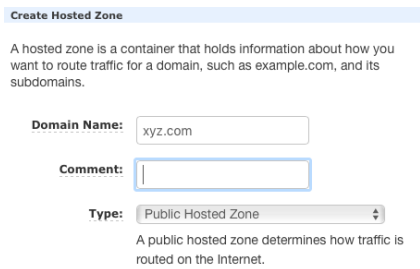
1. If you're new to Amazon Route 53, choose [Get Started Now](#) under [DNS Management](#).
→ If you're already using Amazon Route 53, choose [Hosted Zones](#) in the navigation pane.



2. Choose [Create Hosted Zone](#).



3. In the [Create Hosted Zone](#) pane, enter a domain name and, optionally, a comment.



Create Hosted Zone

A hosted zone is a container that holds information about how you want to route traffic for a domain, such as example.com, and its subdomains.

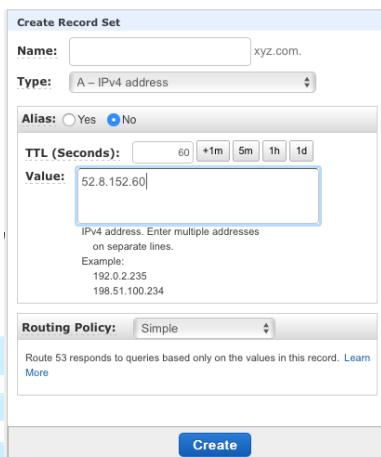
Domain Name: xyz.com

Comment:

Type: Public Hosted Zone

A public hosted zone determines how traffic is routed on the Internet.

4. Choose **Create**.
5. Create a resource record set in your hosted zone. For **Type**, choose **A – Ipv4** address. For **Value**, specify the Elastic/Public IP address for your EC2 instance.



Create Record Set

Name: xyz.com

Type: A – Ipv4 address

Alias: ☐ Yes ☒ No

TTL (Seconds): 60 +1m 5m 1h 1d

Value: 52.8.152.60

IPv4 address. Enter multiple addresses on separate lines.
Example:
192.0.2.235
198.51.100.234

Routing Policy: Simple

Route 53 responds to queries based only on the values in this record. [Learn More](#)

Create

6. Choose **Create**.

Routing Traffic to an Elastic Load Balancing Load Balancer

If you're hosting a website on Amazon EC2 instances that are registered with a load balancer and you want to use Amazon Route 53 as the DNS service for your domain, follow the steps below.

7. Use Elastic Load Balancing to set up a load balancer. If you're creating multiple alias resource record sets that have the same name and type (for example, weighted or latency alias resource record sets), create one load balancer for each resource record set.
8. Create **Alias** resource record sets in your hosted zone.
9. Select your load balancer's name in **Alias Target** field.

Create Record Set

Name: .xyz.com.

Type:

Alias: ☒ Yes ☐ No

Alias Target:

You can also type — S3 website endpoints —
— CloudFront distributions —
— Elastic Beanstalk environments —
— ELB load balancers —
— S3 website endpoints —
— Resource records in this hosted zone —
[Learn More](#)

Routing Policy:

Route 53 responds — Record sets in this hosted zone —
[More](#)

Evaluate Target Health: ☐ Yes ☒ No

Create

10. Choose **Create**.

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