

Module-3: Route 53 Assignment - 3

You have been asked to:

1. Use the Route 53 Hosted Zone created in the Assignment
 2. Route the traffic to an EC2 instance with an Apache web server running in it using it's IP address
-



Route 53



Dashboard

Hosted zones

Health checks

IP-based routing

CIDR collections

Traffic flow

Traffic policies

Policy records

Domains

Registered domains

Pending requests

Resolver

VPCs

Inbound endpoints

Outbound endpoints

Rules

Query logging

DNS Firewall

Rule groups

Domain lists

Route 53 > Hosted zones

Hosted zones (0)

Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.

Filter hosted zones by property or value

View details Edit Delete Create hosted zone

< 1 > Settings

Domain name Type Created by Record count Description Hosted zone ID

No hosted zones

There are no hosted zones created for this account.

Create hosted zone

Klowd.tk

Check
Availability

Yes! **klowd.tk** is available!

1 domain in cart

Checkout

klowd
.tk

• FREE

USD 0.⁰⁰

✓ Selected

Get one of these domains. They are free!

klowd
.ml

• FREE

USD 0.⁰⁰

Select

klowd
.ga

• FREE

USD 0.⁰⁰

Select

klowd
.cf



• FREE

USD 0.⁰⁰

Select

Find a new FREE domain

Check Availability

Domain	 IDSHIELD ? Use your new domain	Period
klowd.tk 	<div>Forward this domain</div> or <div>Use DNS</div>	12 Months @ FREE ▾

Continue

Review & Checkout

Description	Price
Domain Registration - klowd.tk	\$0.00USD
Subtotal:	\$0.00USD
Total Due Today:	\$0.00USD

☒ I have read and agree to the Terms & Conditions

Complete Order

This order form is provided as a security measure. The IP address of the browser that is logging in (103.176.187.151) is being logged.



Order Confirmation

Thank you for your order. You will receive a confirmation email shortly.

Your Order Number is: 1095890499

If you have any questions about your order, please open a support ticket from your client area and quote your order number.

ATTENTION!

Some of your domains could not be registered because of a technical error. These domains have been cancelled.

Would you like to:

[Click here to go to your Client Area](#)

Hosted zone configuration

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 [Info](#)

This is the name of the domain that you want to route traffic for.

Valid characters: a-z, 0-9, ! " # \$ % & ' () * + , - / : ; < = > ? @ [\] ^ _ ` { | } . ~

Description - optional [Info](#)

This value lets you distinguish hosted zones that have the same name.

The description can have up to 256 characters. 0/256

Type [Info](#)

The type indicates whether you want to route traffic on the internet or in an Amazon VPC.



Public hosted zone

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



Private hosted zone

A private hosted zone determines how traffic is routed within an Amazon VPC.

Tags [Info](#)

Apply tags to hosted zones to help organize and identify them.

No tags associated with the resource.

You can add up to 50 more tags.

[Cancel](#)[Create hosted zone](#)

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klowd.tk was successfully created.

Now you can create records in the hosted zone to specify how you want Route 53 to route traffic for your domain.

Route 53 > Hosted zones > klowd.tk

Public klowd.tk

Info

Delete zone

Test record

Configure query logging

Hosted zone details

Edit hosted zone

Records (2)

DNSSEC signing

Hosted zone tags (0)

Records (2)

Info

Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.

Filter records by property or value

Type

Routing policy

Alias

1

Settings

	Record name	Type	Routin...	Differ...	Value/Route traffic to
<input type="checkbox"/>	klowd.tk	NS	Simple	-	ns-743.awsdns-28.net. ns-194.awsdns-24.com. ns-1775.awsdns-29.co.uk. ns-1393.awsdns-46.org.
<input type="checkbox"/>	klowd.tk	SOA	Simple	-	ns-743.awsdns-28.net. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400

Feedback Looking for language selection? Find it in the new Unified Settings

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Route 53 > Hosted zones > klowd.tk > Create record

Create record Info

Quick create record

[Switch to wizard](#)

▼ Record 1

[Delete](#)

Record name Info

klowd.tk

Record type Info

A – Routes traffic to an IPv4 address and some AWS resources ▼

Keep blank to create a record for the root domain.

☒ Alias

Route traffic to Info

Alias to Application and Classic Load Balancer ▼

US East (N. Virginia) [us-east-1] ▼

Routing policy Info

Simple routing ▼

Evaluate target health

☒ Yes

[Add another record](#)

[Cancel](#)

[Create records](#)

► View existing records

The following table lists the existing records in klowd.tk.

[Route 53](#) > [Hosted zones](#) > [klowd.tk](#) > **Create record**

Create record [Info](#)

Quick create record

[Switch to wizard](#)

▼ Record 1

[Delete](#)Record name [Info](#)

subdomain

klowd.tk

Record type [Info](#)

A – Routes traffic to an IPv4 address and some AWS resources ▼

Keep blank to create a record for the root domain.

☒ AliasRoute traffic to [Info](#)

Alias to Application and Classic Load Balancer ▼

US East (N. Virginia) [us-east-1] ▼

 X

Alias hosted zone ID: Z355XDTRQ7X7K

Routing policy [Info](#)

Simple routing ▼

Evaluate target health

☒ Yes[Add another record](#)[Cancel](#)[Create records](#)[▶ View existing records](#)

Record for klowd.tk was successfully created.

Route 53 propagates your changes to all of the Route 53 authoritative DNS servers within 60 seconds. Use "View status" button to check propagation status.

[View status](#)

Route 53 > Hosted zones > klowd.tk

Public **klowd.tk** Info

[Delete zone](#)[Test record](#)[Configure query logging](#)

► Hosted zone details

[Edit hosted zone](#)

Records (3)

DNSSEC signing

Hosted zone tags (0)

Records (3) Info

Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.

[Delete record](#)[Import zone file](#)[Create record](#)

Q Filter records by property or value

Type ▾

Routing policy ▾

Alias ▾



1



<input type="checkbox"/>	Record name ▾	Type ▾	Routin... ▾	Differ... ▾	Value/Route traffic to ▾
<input type="checkbox"/>	klowd.tk	A	Simple	-	dualstack.autoscale-webserver-apache2-1-1922102111.us-east-1.elb.amazonaws.com. ns-743.awsdns-28.net.
<input type="checkbox"/>	klowd.tk	NS	Simple	-	ns-194.awsdns-24.com. ns-1775.awsdns-29.co.uk. ns-1393.awsdns-46.org.
<input type="checkbox"/>	klowd.tk	SOA	Simple	-	ns-743.awsdns-28.net. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400



Ubuntu

Apache2 Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|   |-- ports.conf
|-- mods-enabled
|   |-- *.load
|   |-- *.conf
|-- conf-enabled
|   |-- *.conf
|-- sites-enabled
|   |-- *.conf
```

- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.
- `ports.conf` is always included from the main configuration file. It is used to determine the listening ports for incoming connections, and this file can be customized anytime.
- Configuration files in the `mods-enabled/`, `conf-enabled/` and `sites-enabled/` directories contain particular configuration snippets which manage modules, global configuration fragments, or virtual host configurations, respectively.