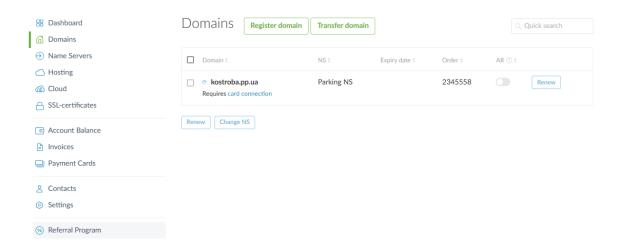
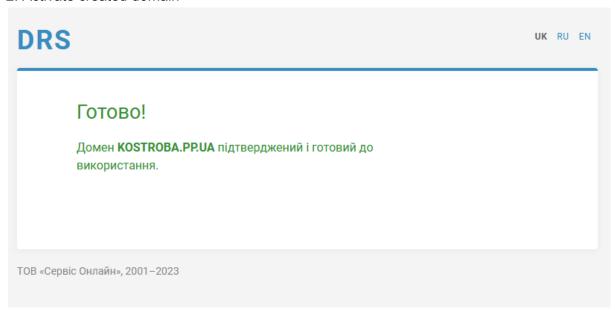
## **DNS Task**

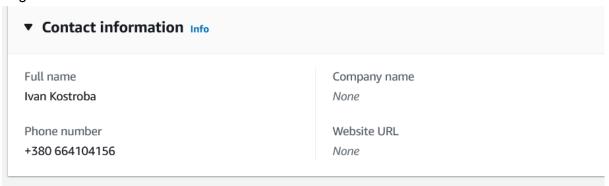
1. Register free domain (...pp.ua) <a href="https://nic.ua/en/domains">https://nic.ua/en/domains</a>



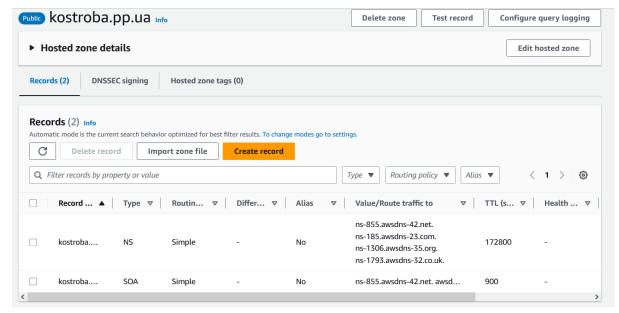
2. Activate created domain



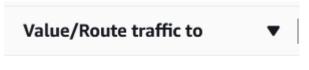
3. Register new AWS Account <a href="https://portal.aws.amazon.com/billing/signup#/start/email">https://portal.aws.amazon.com/billing/signup#/start/email</a> Registered:



4. Create Hosted Zone in Route 53 (name of hosted zone should the name of registered domain on <a href="https://nic.ua/en/domains">https://nic.ua/en/domains</a>). Created:



5. Copy NS records in hosted zone and Change NS-servers setting to 'Custom name server' on nic.ua and paste copied NS records Done:



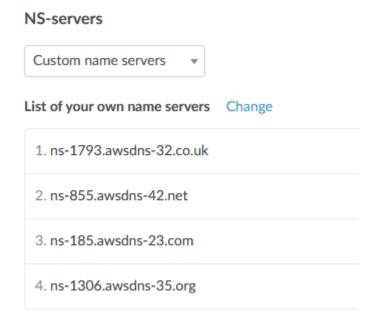
ns-855.awsdns-42.net.

ns-185.awsdns-23.com.

ns-1306.awsdns-35.org.

ns-1793.awsdns-32.co.uk.

## Copied into:



6. Check NS records of your domain using dig or nslookup commands (you should see NS

## records from hosted zone)

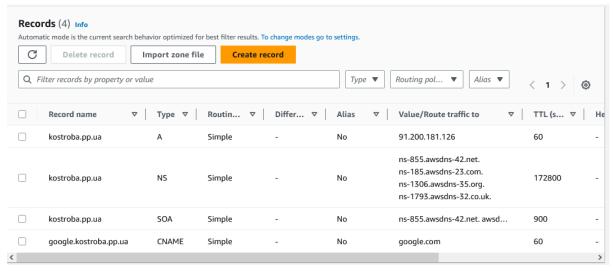
```
student@CsnKhai:~$ dig kostroba.pp.ua

; <<>> DiG 9.9.5-3ubuntu0.5-Ubuntu <>> kostroba.pp.ua
;; global options: +cmd
;; Got answer:
;; ->>HEADER
;; of answer:
;; ->>HEADER
;; opt PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
; kostroba.pp.ua. IN A

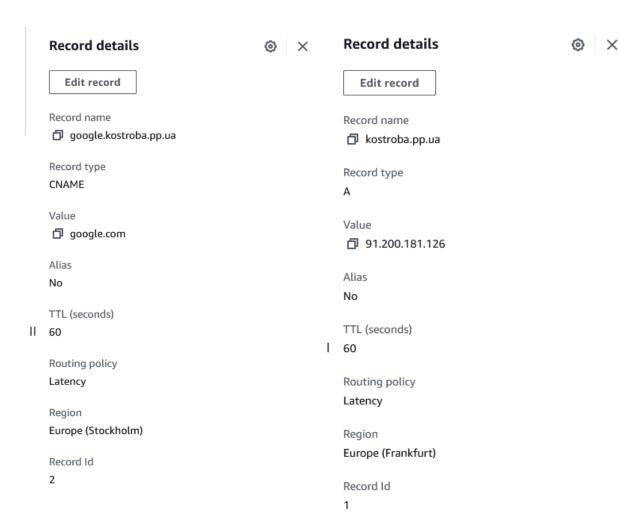
;; AUTHORITY SECTION:
kostroba.pp.ua. 3500 IN SOA ns-855.awsdns-42.net. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400

;; Query time: 17 msec
;; SERVER: 172.21.240.1#53(172.21.240.1)
;; WHEN: Sat Aug 19 21:36:39 UTC 2023
;; MSG SIZE rcvd: 127
```

7. Create A and CNAME records in hosted zone.



8. \*Set latency routing policy for two DNS records.



9. \*Check created dns records using dig or nslookup commands. CNAME forwarded the request to google dns (logically):

```
student@CsnKhai:~$ dig google.kostroba.pp.ua
 ; <>>> DiG 9.9.5-3ubuntu0.5-Ubuntu <<>> google.kostroba.pp.ua
 ;; global options: +cmd
 ;; Got answer:
 ;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 41641
 ;; flags: qr rd ad; QUERY: 1, ANSWER: 10, AUTHORITY: 0, ADDITIONAL: 0
 ;; WARNING: recursion requested but not available
 ;; QUESTION SECTION:
 ;google.kostroba.pp.ua.
                                                    Α
 ;; ANSWER SECTION:
 google.kostroba.pp.ua. 0
                                          IN
                                                    CNAME
                                                              google.com.
 google.com.
                              0
                                          IN
                                                              216.58.215.78
                                          IN
                                                    Α
 ns1.google.com.
                                          IN
                                                              216.239.34.10
 ns2.google.com.
                                                    Α
                                          IN
 ns3.google.com.
                                                    Α
 ns4.google.com.
                                          IN
                                                              216.239.38.10
                                                    Α
                                          IN
                                                    AAAA
                                                              2001:4860:4802:32::a
 ns1.google.com.
 ns2.google.com.
                                          TN
                                                    AAAA
                                                              2001:4860:4802:34::a
 ns3.google.com.
                                          IN
                                                    AAAA
                                                              2001:4860:4802:36::a
 ns4.google.com.
                               0
                                          IN
                                                    AAAA
                                                              2001:4860:4802:38::a
 ;; Query time: 78 msec
;; SERVER: 172.21.240.1#53(172.21.240.1)
;; WHEN: Sat Aug 19 22:04:53 UTC 2023
 ;; MSG SIZE rcvd: 398
 student@CsnKhai:~$
student@CsnKhai:~$ dig kostroba.pp.ua
; <>>> DiG 9.9.5-3ubuntu0.5-Ubuntu <>>> kostroba.pp.ua
;; global options: +cmd
;; Got answer:
;; dot diswer.
;; ->>HEADER<-- opcode: QUERY, status: NOERROR, id: 30520
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
```

ns-855.awsdns-42.net. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400

;kostroba.pp.ua.

;; AUTHORITY SECTION: kostroba.pp.ua.

student@CsnKhai:~\$

;; Query time: 7 msec
;; SERVER: 172.21.240.1#53(172.21.240.1)
;; WHEN: Sat Aug 19 22:05:47 UTC 2023
;; MSG SIZE rcvd: 127

TN

1752 IN SOA

Α