

DNS Task

1. Register free domain
2. Activate created domain

[Return to the domain list](#)

Domain demo-net.pp.ua

● Active

Domain	demo-net.pp.ua
Expiry date	18 August 2024
Order	2344869
Autorenewal	<input type="checkbox"/> Off

[Renew domain](#)

Domain contacts

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3. Register new AWS Account
4. Create Hosted Zone in Route 53 (name of hosted zone should be the name of registered domain on <https://nic.ua/en/domains>).

Route 53 > Hosted zones > demo-net.pp.ua

Public demo-net.pp.ua Info Delete zone T...

► Hosted zone details

Records (2) DNSSEC signing Hosted zone tags (0)

Records (2) Info ↻ Delete record

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

<input type="checkbox"/>	Record name ▼	Type ▼	Routin... ▼	Differ... ▼	Alias ▼	Value/Route traffic to ▼	TTL (s... ▼
<input type="checkbox"/>	demo-net.pp.ua	NS	Simple	-	No	ns-1258.awsdns-29.org. ns-254.awsdns-31.com. ns-920.awsdns-51.net. ns-1879.awsdns-42.co.uk.	172800
<input type="checkbox"/>	demo-net.pp.ua	SOA	Simple	-	No	ns-1258.awsdns-29.org. aws...	900

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

```
Quick connect... 2. 10.7.150.31 4. 10.7.201.111
; <<>> DiG 9.18.12-0ubuntu0.22.04.2-Ubuntu <<>> demo-net.pp.ua NS
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 47325
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags;; udp: 512
;; QUESTION SECTION:
;demo-net.pp.ua.                IN      NS

;; ANSWER SECTION:
demo-net.pp.ua.                21600   IN      NS      ns-1258.awsdns-29.org.
demo-net.pp.ua.                21600   IN      NS      ns-1879.awsdns-42.co.uk.
demo-net.pp.ua.                21600   IN      NS      ns-254.awsdns-31.com.
demo-net.pp.ua.                21600   IN      NS      ns-920.awsdns-51.net.




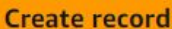
;; Query time: 60 msec
;; SERVER: 8.8.8.8#53(8.8.8.8) (UDP)
;; WHEN: Fri Aug 18 10:58:10 UTC 2023
;; MSG SIZE rcvd: 183

root@master:/home/master#
```

7. Create A and CNAME records in hosted zone.

Records (4) [Info](#)

Automatic mode is the current search behavior optimized for best filter results. [To change modes go to settings.](#)

Type ▼ Routing policy ▼ Alias ▼ < 1 >

<input type="checkbox"/>	Record name ▼	Type ▼	Routin... ▼	Differ... ▼	Alias ▼	Value/Route traffic to ▼	TTL (s... ▼
<input type="checkbox"/>	demo-net.pp.ua	NS	Simple	-	No	ns-1258.awsdns-29.org. ns-254.awsdns-31.com. ns-920.awsdns-51.net. ns-1879.awsdns-42.co.uk.	172800
<input type="checkbox"/>	demo-net.pp.ua	SOA	Simple	-	No	ns-1258.awsdns-29.org. aws...	900
<input type="checkbox"/>	cname.demo-net.pp.ua	CNAME	Simple	-	No	google	300
<input type="checkbox"/>	google.demo-net.pp.ua	A	Simple	-	No	8.8.8.8	300


```
root@master:/home/master# dig google.demo-net.pp.ua A
; <<>> DiG 9.18.12-0ubuntu0.22.04.2-Ubuntu <<>> google.demo-net.pp.ua A
;; global options: +cmd
;; Got answer:
;; -->HEADER<-- opcode: QUERY, status: NOERROR, id: 3295
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; QUESTION SECTION:
;google.demo-net.pp.ua.      IN      A

;; ANSWER SECTION:
google.demo-net.pp.ua.  300     IN      A      8.8.8.8

;; Query time: 44 msec
;; SERVER: 8.8.8.8#53(8.8.8.8) (UDP)
;; WHEN: Fri Aug 18 11:00:18 UTC 2023
;; MSG SIZE  rcvd: 66
```

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

Records (5) [Info](#)

[Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.](#)

Type ▼

Routing pol... ▼

Alias ▼

< 1 >

⚙

☐

Record name ▼

☐

Type ▼

☐

Routin... ▼

☐

Differentiator ▼

☐

Alias ▼

☐

Value/Route traffic to ▼

☐

TTL (se... ▼

☐

Health ... ▼

☐

Evalua... ▼

☐

Record ID ▼

<input type="checkbox"/>	demo-net.pp.ua	NS	Simple	-	No	ns-1258.awsdns-29.org. ns-254.awsdns-31.com. ns-920.awsdns-51.net. ns-1879.awsdns-42.co.uk.	172800	-	-	-
<input type="checkbox"/>	demo-net.pp.ua	SOA	Simple	-	No	ns-1258.awsdns-29.org. a...	900	-	-	-
<input type="checkbox"/>	cname.demo-net.pp.ua	CNAME	Simple	-	No	google	300	-	-	-
<input type="checkbox"/>	google.demo-net.pp.ua	A	Latency	Europe (Stockholm)	No	8.8.8.8	300	-	-	Test_Record
<input type="checkbox"/>	step.demo-net.pp.ua	A	Latency	US East (N. Virginia)	No	194.44.93.225	300	-	-	Test_Record

9. *Check created dns records using dig or nslookup commands.

```
connect... 2: 10.7.150.31 4: 10.7.201.111 (master)
; <<>> DiG 9.16.1-Ubuntu <<>> @ns-1258.awsdns-29.org A step.demo-net.pp.ua
; (2 servers found)
;; global options: +cmd
;; Got answer:
;; ->HEADER<- opcode: QUERY, status: NOERROR, id: 61381
;; flags: qr aa rd; QUERY: 1, ANSWER: 1, AUTHORITY: 4, ADDITIONAL: 1
;; WARNING: recursion requested but not available

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;step.demo-net.pp.ua.          IN      A

;; ANSWER SECTION:
step.demo-net.pp.ua.          300     IN      A      194.44.93.225

;; AUTHORITY SECTION:
demo-net.pp.ua.               172800  IN      NS      ns-1258.awsdns-29.org.
demo-net.pp.ua.               172800  IN      NS      ns-1879.awsdns-42.co.uk.
demo-net.pp.ua.               172800  IN      NS      ns-254.awsdns-31.com.
demo-net.pp.ua.               172800  IN      NS      ns-920.awsdns-51.net.

;; Query time: 48 msec
;; SERVER: 205.251.196.234#53(205.251.196.234)
;; WHEN: Fri Aug 18 11:27:19 UTC 2023
;; MSG SIZE rcvd: 204

root@master:/home/master#
```

Answers from: SERVER: 205.251.196.234#53(205.251.196.234)