

Создал инстанс и накатил nginx



Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](https://nginx.org).  
Commercial support is available at [nginx.com](https://nginx.com).

*Thank you for using nginx.*

Зарегистрировался на noip.com и создал A запись

Hostname	IP/URL	Action
i-08f0a1119b61cb599.ddns.net	3.73.40.143	<div> Modify </div>

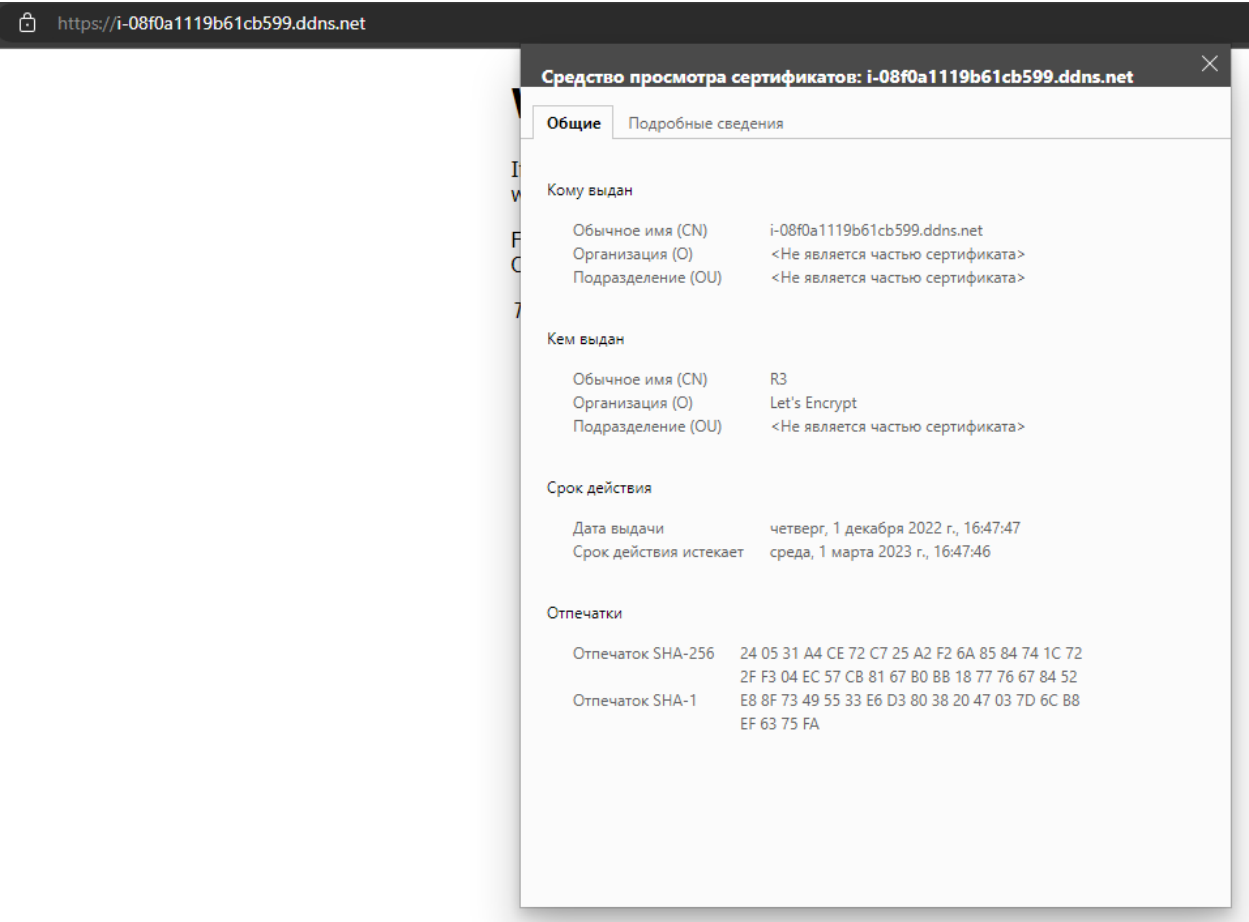
Welcome to nginx!

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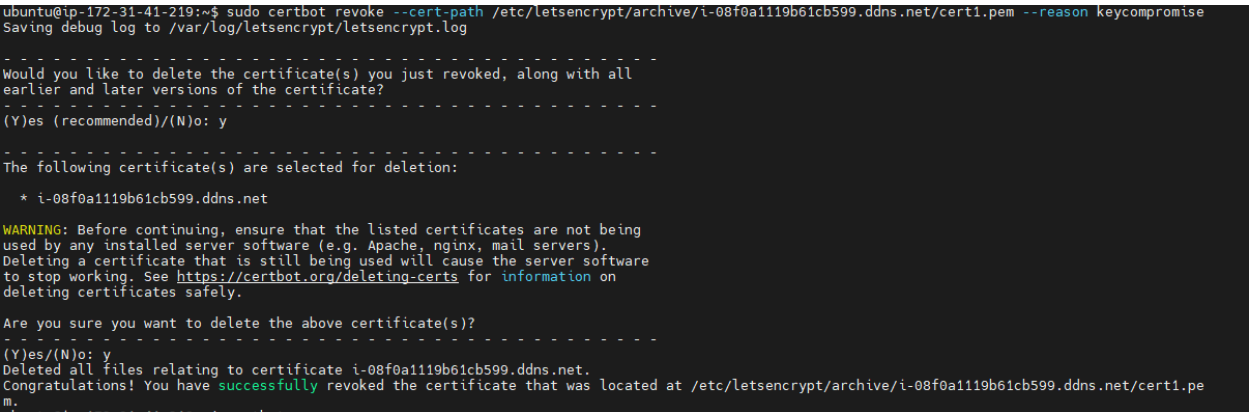
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## Получаю SSL сертификат (1 способ)



## Удаляю сертификат



## Второй вариант установки сертификата

```
ubuntu@ip-172-31-41-219:~$ sudo certbot certonly --webroot --webroot-path=/var/www/html -d i-08f0a1119b61cb599.ddns.net -d i-08f0a1119b61cb599.ddns.net
Saving debug log to /var/log/letsencrypt/letsencrypt.log
Requesting a certificate for i-08f0a1119b61cb599.ddns.net

Successfully received certificate.
Certificate is saved at: /etc/letsencrypt/live/i-08f0a1119b61cb599.ddns.net/fullchain.pem
Key is saved at: /etc/letsencrypt/live/i-08f0a1119b61cb599.ddns.net/privkey.pem
This certificate expires on 2023-03-02.
These files will be updated when the certificate renews.
Certbot has set up a scheduled task to automatically renew this certificate in the background.

-----
If you like Certbot, please consider supporting our work by:

* Donating to EFF: https://letsencrypt.org/donate
* Donating to EFF: https://eff.org/donate/e
-----

ubuntu@ip-172-31-41-219:~$ sudo ls -l /etc/letsencrypt/live/i-08f0a1119b61cb599.ddns.net/
total 4
-rw-r--r-- 1 root root 692 Dec 2 10:58 README
lrwxrwxrwx 1 root root 57 Dec 2 10:58 cert.pem -> ../../archive/i-08f0a1119b61cb599.ddns.net/cert1.pem
lrwxrwxrwx 1 root root 53 Dec 2 10:58 chain.pem -> ../../archive/i-08f0a1119b61cb599.ddns.net/chain1.pem
lrwxrwxrwx 1 root root 57 Dec 2 10:58 fullchain.pem -> ../../archive/i-08f0a1119b61cb599.ddns.net/fullchain1.pem
lrwxrwxrwx 1 root root 55 Dec 2 10:58 privkey.pem -> ../../archive/i-08f0a1119b61cb599.ddns.net/privkey1.pem
```

## Генерація ключа по алгоритму Диффи-Хеллмана

```
ubuntu@ip-172-31-41-219:~$ sudo openssl dhparam -out /etc/ssl/certs/dhparam.pem 2048
Generating DH parameters, 2048 bit long safe prime
```

```

ubuntu@ip-172-31-41-219:~$

```

## Конфигурация блоков server

```
server {
    listen 80;

    root /var/www/html;

    server_name i-08f0a1119b61cb599.ddns.net www.i-08f0a1119b61cb599.ddns.net;
    return 301 https://i-08f0a1119b61cb599.ddns.net$request_uri;
}

server {
    listen 443 ssl;

    include snippets/ssl-i-08f0a1119b61cb599.ddns.net.conf;
    include snippets/ssl-params.conf;

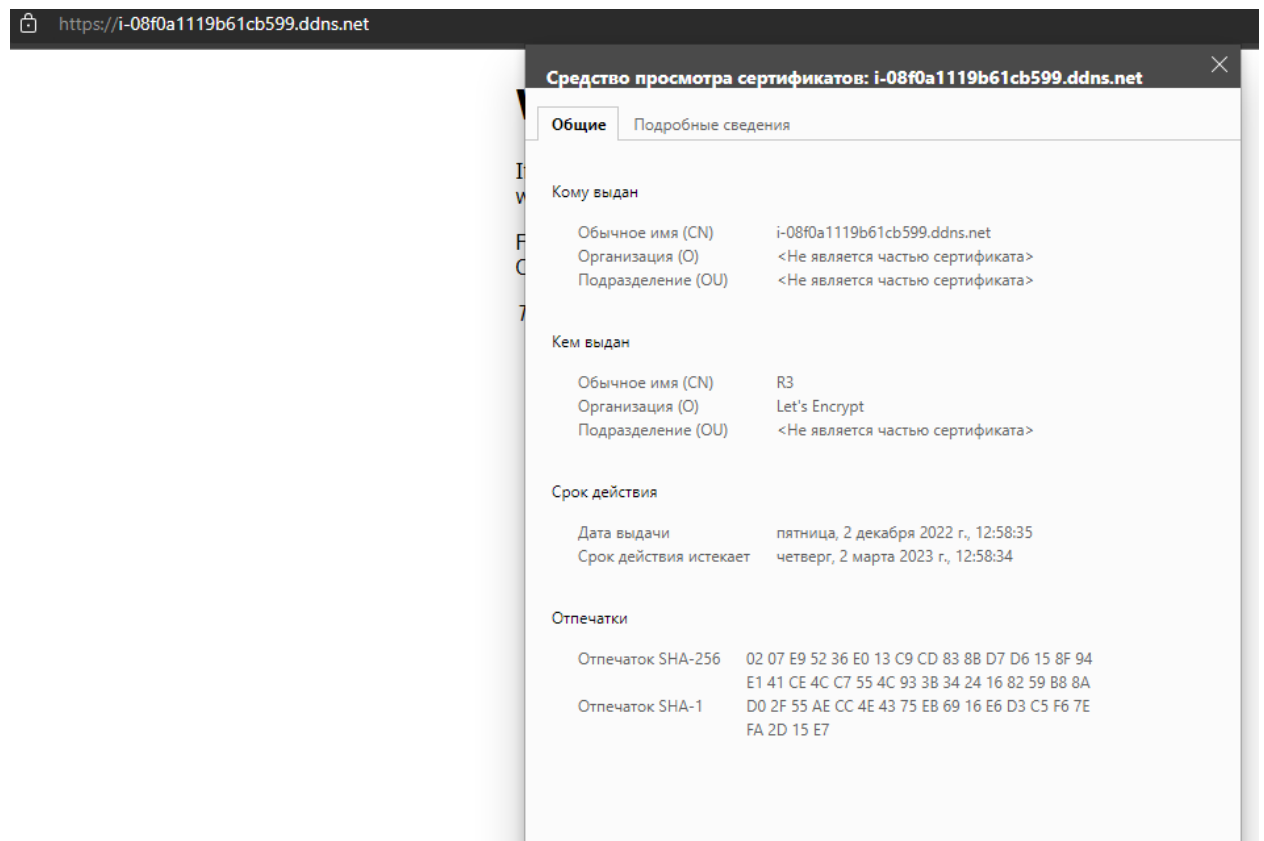
    charset utf-8;
    root /var/www/html;

    # Add index.php to the list if you are using PHP
    index index.html index.htm index.nginx-debian.html;

    server_name i-08f0a1119b61cb599.ddns.net www.i-08f0a1119b61cb599.ddns.net;

    location / {
        # First attempt to serve request as file, then
        # as directory, then fall back to displaying a 404.
        try_files $uri $uri/ =404;
    }
}
```

## Сертификат получен



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Welcome to nginx!</title>
5 <style>
6     body {
7         width: 35em;
8         margin: 0 auto;
9         font-family: Tahoma, Verdana, Arial, sans-serif;
10    }
11</style>
12</head>
13<body>
14<h1>Welcome to nginx!</h1>
15
16<p>
17Если вы хотите попасть на страницу с контентом 1, то нажмите
18<a href="content">сюда</a>
19</p>
20
21<p>
22Если вы хотите скачать файл с музыкой нажмите
23<a href="sound.mp3">сюда</a>
24</p>
25
26<p>
27Если нужен сервер, работающий на Apache+PHP нажмите
28<a href="info.php">сюда</a>
29</p>
30
31<p>
32Если вы хотите получить респонс с другого сервера жмите
33<a href="secondserver">сюда</a>
34</p>
35
36</body>
37</html>
```

"/var/www/html/index.nginx-debian.html"

"/etc/nginx/sites-available/i-08f0a1119b61cb599.ddns.net"

```
1 server {
2     listen 443 ssl;
3
4     charset utf-8;
5     root /var/www/html;
6     index index.nginx-debian.html index.php;
7
8     server_name i-08f0a1119b61cb599.ddns.net;
9
10    location / {
11        try_files $uri $uri/ /index.nginx-debian.html$args;
12    }
13
14    location /content/ {
15        proxy_pass http://localhost:8081/content.html;
16    }
17
18    location ~* \.mp3$ {
19        root /media;
20        default_type application/octet-stream;
21        types {}
22        add_header Content-Disposition "attachment";
23    }
24
25    location /info.php/ {
26        proxy_set_header X-Real-IP $remote_addr;
27        proxy_set_header X-Forwarded-For $remote_addr;
28        proxy_set_header Host $host;
29        proxy_pass http://127.0.0.1:8080/index.php;
30    }
31
32    location /secondserver {
33        proxy_pass https://mail.ru;
34    }
35
36    location ~ /\. {
37        deny all;
38    }
39
40    ssl_certificate /etc/letsencrypt/live/i-08f0a1119b61cb599.ddns.net/fullchain.pem; # managed by Certbot
41    ssl_certificate_key /etc/letsencrypt/live/i-08f0a1119b61cb599.ddns.net/privkey.pem; # managed by Certbot
42    include /etc/letsencrypt/options-ssl-nginx.conf; # managed by Certbot
43    ssl_dhparam /etc/letsencrypt/ssl-dhparams.pem; # managed by Certbot
44 }
```

```
46 server {
47     listen 80;
48     server_name i-08f0a1119b61cb599.ddns.net;
49     root /var/www/html;
50     return 301 https://i-08f0a1119b61cb599.ddns.net$request_uri;
51 }
52
53 server {
54     listen 8081;
55     root /var/www/html;
56     index content.html;
57 }
```