

reverse-proxy

Reverse Proxy Configuration

Sample config examples for configuring Sonarr to be accessible from the outside world through a reverse proxy.



These examples assumes the default port of `8989` and that you set a baseurl of `sonarr`. It also assumes your web server i.e nginx and Sonarr running on the same server accessible at `localhost` (127.0.0.1). If not, use the host IP address or hostname instead for the proxy pass directive.

NGINX

Add the following configuration to `nginx.conf` located in the root of your Nginx configuration. The code block should be added inside the `server context`. [Full example of a typical Nginx configuration](#)



If you're using a non-standard http/https server port, make sure your Host header also includes it, i.e.: `proxy_set_header Host $host:$server_port` or `proxy_set_header Host $http_host`


```
1  location ^~ /sonarr {
2      proxy_pass http://127.0.0.1:8989;
3      proxy_set_header Host $host;
4      proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
5      proxy_set_header X-Forwarded-Host $host;
6      proxy_set_header X-Forwarded-Proto $scheme;
7      proxy_redirect off;
8      proxy_http_version 1.1;
9      proxy_set_header Upgrade $http_upgrade;
10     proxy_set_header Connection $http_connection;
11 }
12 # Allow the API External Access via NGINX
13 location ^~ /sonarr/api {
14     auth_basic off;
15
16 }
```

```
    proxy_pass http://127.0.0.1:8989;
}
```

A better way to organize your configuration files for Nginx would be to store the configuration for each site in a separate file.

To achieve this it is required to modify `nginx.conf` and add `include subfolders-enabled/*.conf` in the `server` context. So it will look something like this.

```
1  server {
2      listen 80;
3      server_name _;
4
5      # more configuration
6
7      include subfolders-enabled/*.conf
8  }
```


Adding this line will include all files that end with `.conf` to the Nginx configuration. Make a new directory called `subfolders-enabled` in the same folder as your `nginx.conf` file is located. In that folder create a file with a recognizable name that ends with `.conf`. Add the configuration from above from the file and restart or reload Nginx. You should be able to visit Sonarr at `yourdomain.tld/sonarr`. `tld` is short for [Top Level Domain](#) 

Subdomain

Alternatively you can use a subdomain for sonarr. In this case you would visit `sonarr.yourdomain.tld`. For this you would need to configure a `A record` or `CNAME record` in your DNS.



Many free DNS providers do not support this

By default Nginx includes the `sites-enabled` folder. You can check this in `nginx.conf`, if not you can add it using the [include directive](#) . And really important, it has to be inside the `http context`. Now create a config file inside the sites-enabled folder and enter the following configuration.



For this configuration it is recommended to set `baseurl` to "" (empty). This configuration assumes you are using the default `8989` and Sonarr is accessible on the localhost (127.0.0.1). For this configuration the subdomain `sonarr` is chosen (line 5).



If you're using a non-standard http/https server port, make sure your Host header also includes it, i.e.: `proxy_set_header Host $host:$server_port` or `proxy_set_header`

Host \$http_host

```

1  server {
2      listen      80;
3      listen  [::]:80;
4
5      server_name sonarr.*;
6
7      location / {
8          proxy_set_header    Host $host;
9          proxy_set_header    X-Forwarded-For $proxy_add_x_forwarded_for;
10         proxy_set_header    X-Forwarded-Host $host;
11         proxy_set_header    X-Forwarded-Proto $scheme;
12         proxy_set_header    Upgrade $http_upgrade;
13         proxy_set_header    Connection $http_connection;
14
15         proxy_redirect      off;
16         proxy_http_version  1.1;
17
18         proxy_pass http://127.0.0.1:8989;
19     }
20 }

```

Now restart Nginx and Sonarr should be available at your selected subdomain.

Apache

This should be added within an existing VirtualHost site. If you wish to use the root of a domain or subdomain, remove **sonarr** from the **Location** block and simply use **/** as the location.

Note: Do not remove the baseurl from ProxyPass and ProxyPassReverse if you want to use **/** as the location.

```

1  <Location /sonarr>
2      ProxyPreserveHost on
3      ProxyPass http://127.0.0.1:8989/sonarr connectiontimeout=5 timeout=300
4      ProxyPassReverse http://127.0.0.1:8989/sonarr
5  </Location>

```

ProxyPreserveHost on prevents apache2 from redirecting to localhost when using a reverse proxy.

Or for making an entire VirtualHost for Sonarr:

```
1 | ProxyPass / http://127.0.0.1:8989/sonarr/  
2 | ProxyPassReverse / http://127.0.0.1:8989/sonarr/
```

If you implement any additional authentication through Apache, you should exclude the following paths:

► `/sonarr/api/`

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