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r/codeserver • 5 yr. ago
chili_666

•••

Code-Server behind Nginx reverse proxy

Hey there,

I have code-server running on a self-hosted machine at home. In LAN it works flawlessly and it's seriously a great piece of software...

I'd like to access my code-server from the internet as well, so I played around with Nginx. I got it working a bit - meaning I get to the login screen, but as soon as I enter my password it reloads a blank page. It does load a monaco-aria-container which contains two emtpy divs (monaco-alert & monaco-status).

I found some pointers to a quickstart.md from code-server, but my google-fu is weak. I can`t find any information on this.

Do you guys have any help on this?

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chili_666 **OP** • 5y ago

Nevermind - got it to work. The problem was not Nginx, but my code-server.service. I used 0.0.0.0 as Ip - changed that to 127.0.0.1 and it works...

Now onto getting SSL to work :-)

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and a template
https://github.com/equitania/myodoo-docker/blob/master/nginx-conf/code-server_template.conf

That will you create a nginx conf file with ssl optional Let's encrypt.

Code-Server als Service

```
$ nano /usr/bin/code-server.sh
export PASSWORD="yourpassword"
code-server /home/devops/ --user-data-dir=/home/devops/vscode  --port=9000
```

```
$ chmod +x /usr/bin/code-server.sh
$ nano /lib/systemd/system/code-server.service
..
[Unit]
Description= Visual Studio Code Server.
[Service]
Type=simple
User=devops
ExecStart=/bin/bash /usr/bin/code-server.sh
Restart=always
KillSignal=SIGQUIT
[Install]
WantedBy=multi-user.target
..
```

```
$ sudo systemctl daemon-reload
$ sudo systemctl start code-server.service
$ sudo systemctl enable code-server.service
```

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[deleted] • 5y ago • Edited 2y ago

scrubbed by https://github.com/j0be/PowerDeleteSuite

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demsys • 5y ago

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message. I run a Nginx server as a reverse proxy on the same machine.

Here is the appropriate snippet from my Nginx config:

```
location /code-server/ {
```

```
proxy_pass  http://127.0.0.1:8443/;
```

```
proxy_set_header X-Real-IP $remote_addr;
```

```
proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
```

```
proxy_set_header Host $http_host;
```

```
proxy_set_header X-NginX-Proxy true;
```

```
proxy_http_version 1.1;
```

```
proxy_set_header Upgrade $http_upgrade;
```

```
proxy_set_header Connection "upgrade";
```

```
proxy_redirect off;
```

```
}
```

https://my.domain/code-server/ now works.

Some of the headers may be redundant but the above works for me.

The thing that finally made this work was the trailing `"/"` on the location.

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peterwoo2022 • 3y ago

got truly inspired by this answer. before seeing it, I thought the only way to reverse-proxy /code-server is by setting the context url for vscode to be /code-server. never thought the trailing slash would solve it! truly thankful!!!

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SquareMesh • 5y ago

Are you able to sign in to github with your code server / nginx setup?

Addiionally I've tried using a github generated token but that also fails, but with error relating to incorrect format.

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nDQ9UeOr · 3y ago

Thanks to the hint above, if anyone needs to make Traefik work, here are the two middlewares I'm using on mine. The `code-redirect` adds the trailing slash, and the `code-stripprefix` ... strips the prefix.

```
traefik.http.routers.code.middlewares=code-redirect, code-stripprefix
traefik.http.middlewares.code-redirect.redirectregex.regex=^(.*)/code$$
traefik.http.middlewares.code-redirect.redirectregex.replacement=$${1}/code/
traefik.http.middlewares.code-stripprefix.stripprefix.prefixes=/code/
```

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pdgfjodgfji · 1y ago

I have been looking for hours, it now works, I was missing those headers:

proxy_set_header X-NginX-Proxy true;

proxy_redirect off;

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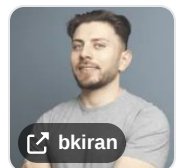**I'm building a dynamic dashboard for nginx proxy manager users – Looking for Collaborators!**

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