Proxy Setup

NGINX default template

Proxy setup

It is recommended to run a web proxy behind the frontend and backend for optimized installation.

These urls should be routed to the backend:

```
Copy /api /socket /sitemap.xml /auth/auth0 /auth/auth0/callback /auth/logout
```

All other urls should be routed to the frontend.

Example Config File

This is an example configuration for NGINX. It is also located in the Blockscout repo at docker-compose/proxy/default.conf.template

In this example the frontend and backend are forwarded to port80 , meaning the new frontend will be available on localhost without needing to specify a port number.

```
Copy map http_upgrade connection_upgrade {

default upgrade; '' close; }

server { listen 80; server_name localhost; proxy_http_version 1.1;

location ~ ^/(api|socket|sitemap.xml|auth/auth0|auth/auth0/callback|auth/logout) { proxy_pass {BACK_PROXY_PASS}; proxy_http_version 1.1; proxy_set_header Host "host"; proxy_set_header X-Real-IP "remote_addr"; proxy_set_header X-Forwarded-For "proxy_add_x_forwarded_for"; proxy_set_header X-Forwarded-Proto "scheme"; proxy_set_header Upgrade "http_upgrade"; proxy_set_header Connection connection_upgrade; proxy_cache_bypass http_upgrade; } location / { proxy_pass {FRONT_PROXY_PASS}; proxy_http_version 1.1; proxy_set_header Host "host"; proxy_set_header X-Real-IP "remote_addr"; proxy_set_header X-Forwarded-For "proxy_add_x_forwarded_for"; proxy_set_header X-Forwarded-Proto "scheme"; proxy_set_header Upgrade "http_upgrade"; proxy_set_header Connection connection_upgrade; proxy_cache_bypass http_upgrade; } } server { listen 8080; server_name localhost; proxy_http_version 1.1; proxy_hide_header Access-Control-Allow-Origin; proxy_hide_header Access-Control-Allow-Methods; add_header 'Access-Control-Allow-Origin' 'http://localhost' always; add_header 'Access-Control-Allow-Credentials' 'true' always; add_header 'Access-Control-Allow-Methods' 'PUT, GET, POST, OPTIONS, DELETE, PATCH' always;

location / { proxy_pass http://stats:8050/; proxy_http_version 1.1; proxy_set_header Host "host"; proxy_set_header X-Real-IP "remote_addr"; proxy_set_header X-Forwarded-For "proxy_add_x_forwarded_for"; proxy_set_header X-Forwarded-Proto "scheme"; proxy_set_header Upgrade "http_upgrade"; proxy_set_header Connection connection_upgrade; proxy_cache_bypass http_upgrade; } } server { listen 8081; server_name localhost; proxy_http_version 1.1; proxy_hide_header Access-Control-Allow-Origin; proxy_hide_header Access-Control-Allow-Methods; add_header 'Access-Control-Allow-Origin' 'http://localhost' always; add_header 'Access-Control-Allow-Credentials' 'true' always; add_header 'Access-Control-Allow-Methods' 'PUT, GET, POST, OPTIONS, DELETE, PATCH' always; add_header 'Access-Control-Allow-Headers' 'DNT,Keep-Alive,User-Agent,X-Requested-With,If-Modified-Since,Cache-Control,Content-Type,Range,Authorization,x-csrf-token' always;

location / { proxy_pass http://visualizer:8050/; proxy_http_version 1.1; proxy_buffering off; proxy_set_header Host "host"; proxy_set_header X-Real-IP "remote_addr"; proxy_connect_timeout 30m; proxy_read_timeout 30m; proxy_send_timeout 30m; proxy_set_header X-Forwarded-For "proxy_add_x_forwarded_for"; proxy_set_header X-Forwarded-Proto "scheme"; proxy_set_header Upgrade "http_upgrade"; proxy_set_header Connection connection_upgrade; proxy_cache_bypass http_upgrade; if (request_method = 'OPTIONS') { add_header 'Access-Control-Allow-Origin' 'http://localhost' always; add_header 'Access-Control-Allow-Credentials' 'true' always; add_header 'Access-Control-Allow-Methods' 'PUT, GET, POST, OPTIONS, DELETE, PATCH' always; add_header 'Access-Control-Allow-Headers' 'DNT,Keep-Alive,User-Agent,X-Requested-With,If-Modified-Since,Cache-Control,Content-Type,Range,Authorization,x-csrf-token' always; add_header 'Access-Control-Max-Age' 1728000; add_header 'Content-Type' 'text/plain charset=UTF-8'; add_header 'Content-Length' 0; return 204; } } }
```

NOTE: For production usage you should add at a minimum the correctserver_name (ie eth.blockscout.com) and TLS info

(ssl_certificate ,ssl_certificate_key ,other required variables?) at a minimum. NOTE: Here thestats service also uses separate port on nginx, but for production usage we recommend a separate hostname for stats. CORS policy for stats should allow the frontend domain.

Last updated6 months ago