**Setup Nginx in VM for Uploading and Downloading Apks**

**Note:**  First you have to make sure you have a public ip. It is important to open ports 80 and 443 for your server to connect to the outside.

1. To install Nginx, use following command:

sudo apt update

sudo apt install nginx

1. Create folder for storing the apks

cd /mnt

sudo mkdir apk-downloads

Paste the suhosin-build.apk in that directory

1. Setup the server

cd /etc/nginx/sites-available

sudo nano default

Delete everything and paste this

server {

listen 9080;

server\_name apk.xgame.live;

location /suhosin-build.apk { # Specific location for the APK file

alias /mnt.apk-downlods/suhosin-build.apk; # Path to the APK file

}

}

Save the file and close.

1. Link the file to site-enable

sudo ln -s /etc/nginx/sites-available/default /etc/nginx/sites-enabled/

1. Restart the nginx

sudo service nginx restart

1. Visit the link to download the apk

apk.xgame.live/suhosin-build.apk

**Expose Xode Archive Node**

**Step 1: Run the Archive Node with –rpc-external**

./xode-node \

--chain xode-node-chainspec.json \

--rpc-port 9944 \

--pruning archive \

--rpc-external \

--unsafe-rpc-external \

--rpc-methods safe \

-- rpc-core ‘\*’ \

--telemetry-url “wss://telemetry.polkadot.io/submit/ 0” \

--name “Xode-Archive-Node01"

**Step 2: Create DNS**

2.1 Go to GoDaddy and create the DNS. DNS example rpc-kr.xode.net

**Step 3: Configure Nginx**

3.1 Install Nginx

sudo apt update

sudo apt install nginx

3.2 Go to site-available directory

cd /etc/nginx/sites-available

3.3 Create and enable site

sudo cp default rpc-kr.xode.net

sudo ln -s /etc/nginx/sites-available/rpc-kr.xode.net /etc/nginx/sites-enabled/

3.4 Edit the site file

sudo nano rpc-kr.xode.net

And change all line to this:

server {

listen 9944;

server\_name rpc-kr.xode.net;

location / {

proxy\_pass http://192.168.117.101:9944;

proxy\_pass\_request\_headers on;

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 Upgrade $http\_upgrade;

proxy\_set\_header Connection “upgrade”;

}

}

3.5 Save the file.

Ctrl x then y then Enter

**Step 4: Add Proxy Host**

4.1 Go to Nginx Proxy Manager. Go to Proxy Host.

4.2 Add Proxy host.

4.3 Configure the Proxy.

**Domain Name:** rpc-kr.xode.net

**Scheme:** http

**Forwarded Hostname/IP:** The IP of the computer where the node is running. 192.168.117.101

**Forwarded Port:** the –rpc-port of the node which is 9944

Enable the WebSocket Support

Click Save

4.4 Generate SSL

Request a new SSL Certificate

Force SSL

Enter email address

Enable Agreement Terms

Click Save

**Step 5: Check if the RPC is expose.**

5.1 Go to PolkadotJS UI and Enter the DNS in custom endpoint

5.2 The Archive Node is successfully exposed.

**Expose Subsquid**

**Step 1: Create DNS**

1.1 Go to GoDaddy and create the DNS. DNS example subsquid.xode.net

**Step 2: Configure Nginx**

2.1 Install Nginx

sudo apt update

sudo apt install nginx

2.2 Go to site-available directory

cd /etc/nginx/sites-available

2.3 Create and enable site

sudo cp default rpc-kr.xode.net

sudo ln -s /etc/nginx/sites-available/subsquid.xode.net /etc/nginx/sites-enabled/

2.4 Edit the site file

sudo nano subsquid.xode.net

And change all line to this:

server {

listen 4350;

server\_name subsquid.xode.net;

location / {

proxy\_pass http://localhost:4350;

proxy\_pass\_request\_headers on;

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 Upgrade $http\_upgrade;

proxy\_set\_header Connection “upgrade”;

}

}

2.5 Save the file.

Ctrl x then y then Enter

**Step 3: Add Proxy Host**

3.1 Go to Nginx Proxy Manager. Go to Proxy Host.

3.2 Add Proxy host.

3.3 Configure the Proxy.

**Domain Name:** rpc-kr.xode.net

**Scheme:** http

**Forwarded Hostname/IP:** The IP of the computer where the node is running. 192.168.102.104

**Forwarded Port:** the –rpc-port of the node which is 9944

Enable the WebSocket Support

Click Save

3.4 Generate SSL

Request a new SSL Certificate

Force SSL

Enter email address

Enable Agreement Terms

Click Save

**Step 4. Check if its successfully exposed**

4.1 Open your browser and enter subsquid.xode.net/graphql

4.2 Subsquid is now exposed.