**XODE NODE**

Running a XODE node directly in the host

Minimum AWS Instance type: t2.medium

* vCPU: 2
* RAM: 4.0GB
* Storage: 500GB
* Operating System: Ubuntu 22.0 or higher

**STEP 1: Downloading the xode-node binary**

**x86-64**

$ curl -L "https://drive.usercontent.google.com/download?id=10zStcLL08V3hiCy507CBXMCKCb2VFQsM&confirm=xxx" -o xode-node

**aarch64**

$ curl -L "https://drive.usercontent.google.com/download?id=1S8uBEuaZhSfJMCwKvbzWXAw\_7J4EgPVE&confirm=xxx" -o xode-node

**STEP 2: Download the xode chainspec**

$ wget --no-check-certificate 'https://docs.google.com/uc?export=download&id=19C8s1MdVubYjMFiLBmvwhWxTK6bPeyve' -O raw-xode-node-chainspec.json

**STEP 3: Make the xode-node binary executable**

$ chmod +x xode-node

**STEP 4: Make a xode base path directory**

$ mkdir xode

**STEP 5:** **Create a shell script:** $ nano xode-node.sh

#!/bin/bash

/home/ubuntu/xode-node \

--chain /home/ubuntu/raw-xode-node-chainspec.json \

--base-path /home/ubuntu/xode \

--rpc-port 9944 \

--pruning archive \

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

--name "xode-node-name”

**STEP 6: Make the xode-node.sh executable**

$ chmod + xode-node.sh

**STEP 7: Test if it runs**

$ ./xode-node.sh

**STEP 8: Create a service:** $ sudo nano /etc/systemd/system/xode-collator.service

[Unit]

Description=Xode Node

[Service]

ExecStart=/home/ubuntu/xode-node.sh

Restart=always

RestartSec=120

[Install]

WantedBy=multi-user.target

**STEP 9: Enable the service**

$ sudo systemctl enable xode-collator.service

**STEP 10: Start the service**

$ sudo systemctl start xode-collator.service

**STEP 11: Wait for 30 seconds and check if the service is running**

$ journalctl -f -u xode-collator

**STEP 12: Check the telemetry site to view your node**

https://telemetry.polkadot.io/#/0x28cc1df52619f4edd9f0389a7e910a636276075ecc429600f1dd434e281a04e9

**Running XODE node using container (Podman)**

**STEP 1: Install Podman**

$ sudo apt-get update

$ sudo apt-get -y install podman

**STEP 2: Download xode-node image**

x86-64: https://hub.docker.com/r/xoderockson/xode-node-x86\_64

$ podman pull docker.io/xoderockson/xode-node-x86\_64

aarch64: https://hub.docker.com/r/xoderockson/xode-node-aarch64

$ podman pull docker.io/xoderockson/xode-node-aarch64

**STEP 3: Run the container but first make a local directory**

This directory will hold the database (very important)

$ mkdir xode

x86-64

$ podman run -d --name xode-node --volume ./xode:/xode -it xoderockson/xode-node-x86\_64 <NODENAME>

aarch64

$ podman run -d --name xode-node --volume ./xode:/xode -it xoderockson/xode-node-aarch64 <NODENAME>

**STEP 4: Enable service**

$ podman generate systemd --new --name xode-node > ./xode-node.service

$ mkdir -p ~/.config/systemd/user

$ mv ./xode-node.service ~/.config/systemd/user

$ systemctl --user enable xode-node.service

**STEP 5: Enable auto login**

**Edit this file**

sudo nano /lib/systemd/system/getty@.service

**Change this line**

ExecStart=-/sbin/agetty -o '-p -- \u' --noclear %I $TERM

**To this line**

ExecStart=-/sbin/agetty --noissue --autologin [USERNAME] %I $TERM

**Maintaining the container (Podman)**

**Stopping all containers**

$ podman stop --all

**Clearing the cache before running the container**

$ podman container prune -f

**Displaying the running containers and images**

$ podman ps

$ podman images