



# AUFSETZEN EINES ETHEREUM-NODES MIT STEREUM



**DLT AUSTRIA**

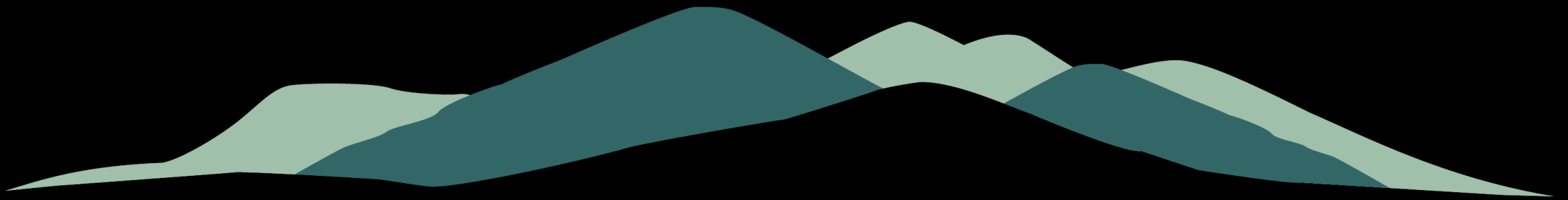
CONNECT - CREATE - COLLABORATE

**GONZAGAGASSE 11/25, 1010 WIEN**  
Digitalsunray Media GmbH

**RØ**



**06.12.2023 - EINLASS: 17:30 UHR - START: 18 UHR**



RockLΦgic



# Setting Up an Ethereum Node With Stereum

Vienna, 06.12.2023

# Agenda Workshop



18:00 Introduction & DLT Austria: ED

18:15 Company Overview RockLogic: Stefan



18:30 Workshop Setting Up an Ethereum Node



20:30 Food & Drinks!



# RockLogic GmbH

# Company Facts



- founded 2012 - 2014 blockchain
- since 2020 Ethereum first



- institutional node operations
- 19 people



- Austrian Blockchain Award 2021




# Ethereum and Stereum








  **r/ethstaker** · Gepostet von [u/guinq](#) vor 20 Tagen

**6**








 **16 Kommentare**  **Auszeichnen**  **Teilen**  **Speichern**  **Ausblenden** 

**Sortieren Nach: Beste** ▼

**Alle Kommentare anzeigen** **Diskussionen in 1 anderen Comr**

 **stefa2k** · vor 20 Tagen

None of those, they are both way too underpowered.

 **-6**   **Antworten**  **Teilen** 



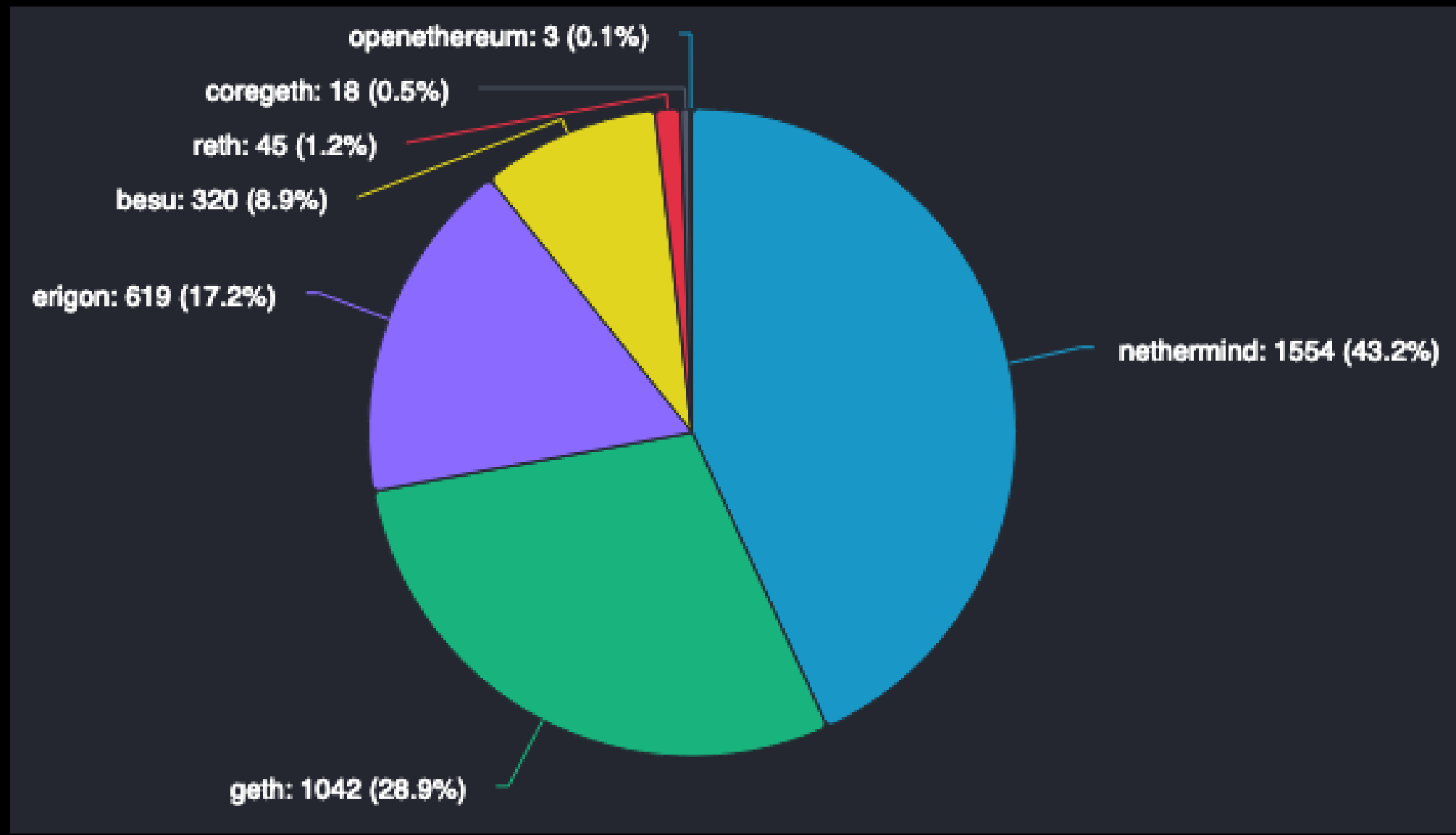


"*Ethereum* is a distributed network of computers (known as *nodes*) running software that can verify blocks and transaction data."

RØ

Quelle: <https://ethereum.org/en/developers/docs/nodes-and-clients/>

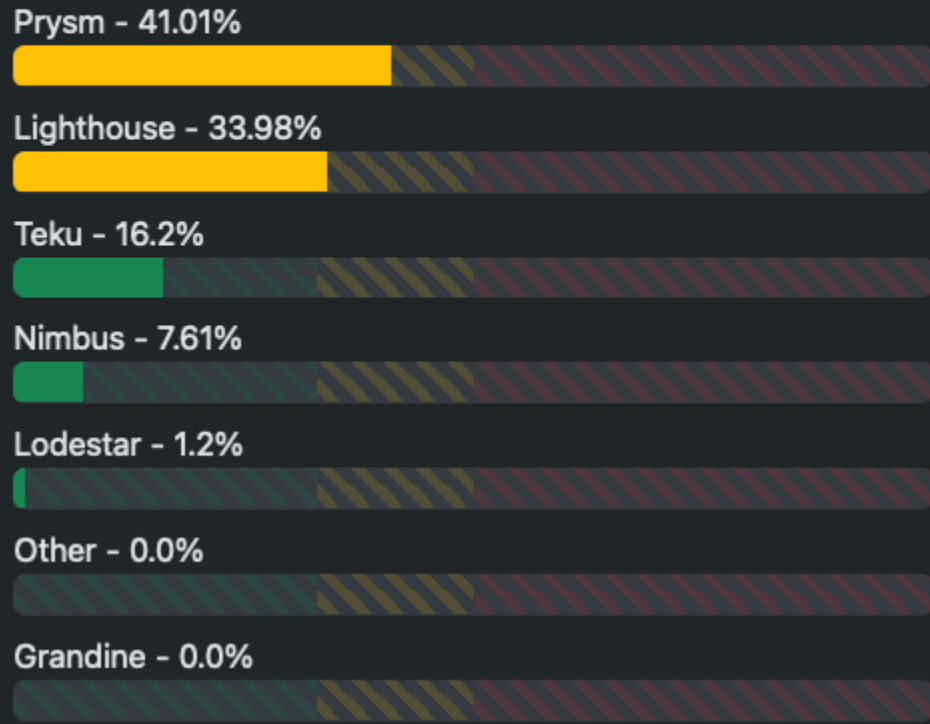






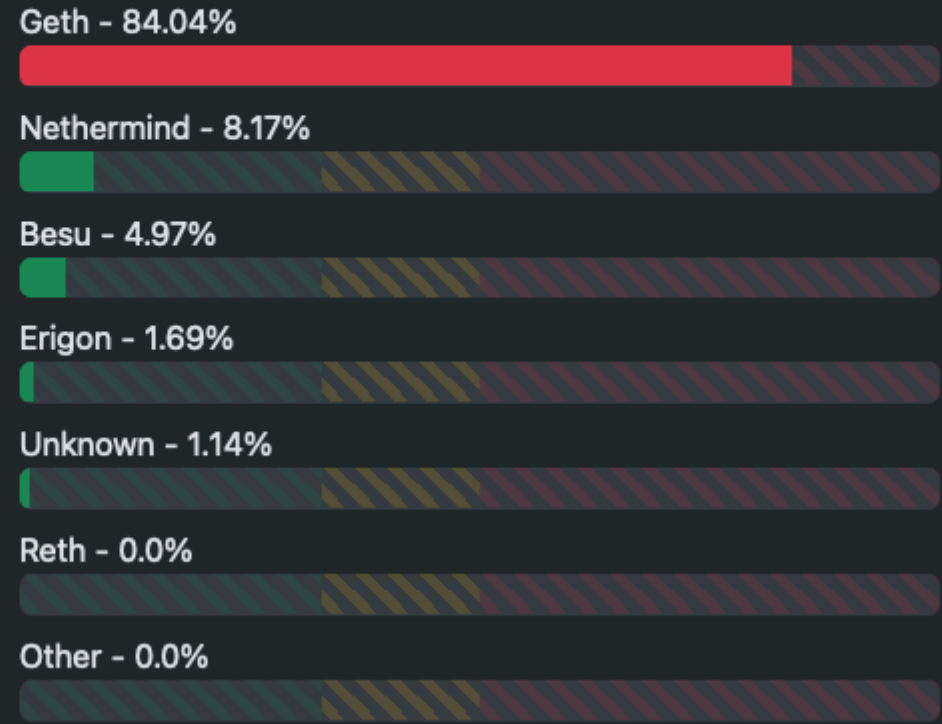
## Consensus Clients

! The client diversity has improved!



## Execution Clients

! Switch from Geth to a minority client!





<https://ultrasound.money/>  
<https://clientdiversity.org/>  
<https://www.ethernodes.org/>  
<https://www.rated.network>



Archive Node



Full Node



Light Node (PortalNode)



Decentralize

Data Access



Staking

Don't trust, verify



Bots

MEV-Boost



Stereum

Avado



DappNode

eth-docker



Ethereum on ARM

Guides

# Market Penetration



46 nodes in Austria



30+ nodes by RockLogic



> 1 % stake on Stereum





Since 2020

V2.0 from 2022



UI/UX

2 Security Audits



Awards & Grants

Guides



# Hardware

Cloud: AWS, GCP, Contabo, (Hetzner?), ...



ARM: Raspberry Pi 4, Radxa Rock 5B, Orangi Pi 5



x86: CPU > 20 000 benchmark, 16 gb Memory, 2tb SSD  
<https://www.cpubenchmark.net/>



# Setting Up An Ethereum Node



Cloud/VPS



Hardware





## Consensus Clients

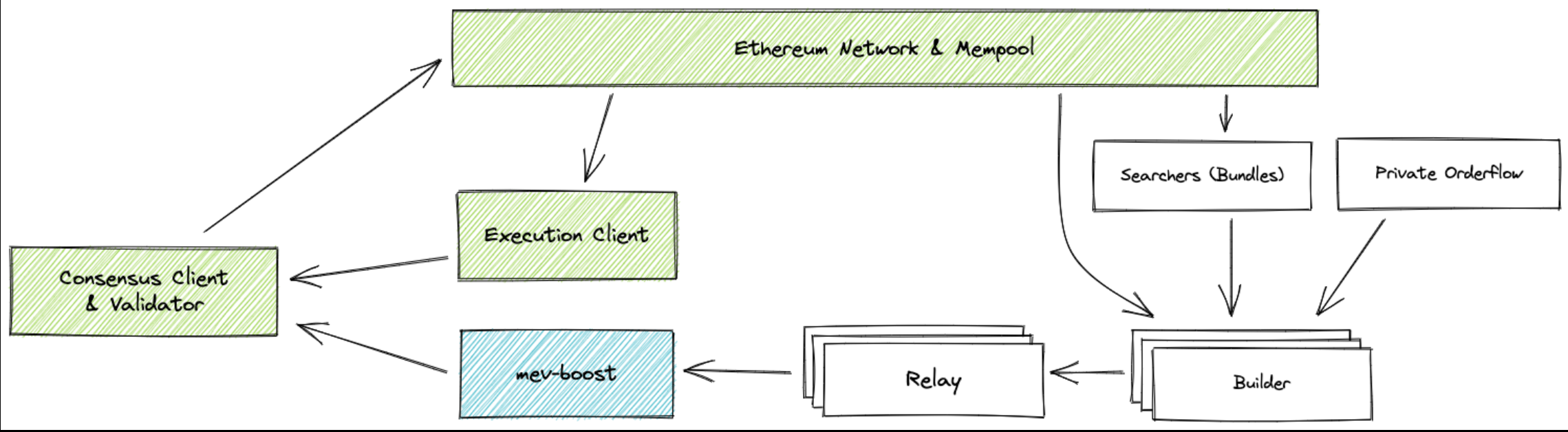


Lighthouse  
Lodestar  
Nimbus  
Prysm  
Teku



## Execution Clients

Besu  
Erigon  
Geth  
Nethermind  
Reth



*Keep it simple*





*<https://stereum.net>*