



The Path to Decentralization

Why Infura is launching a new decentralized network in 2023



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Infura was created in order to make interacting with Ethereum as easy as possible and to lower the barrier for others to build and deploy dapps



Infura launched at DevCon2 2016



2016 Feels (and looks) like a Long Time Ago...

Points of Centralization

- Centralized Exchanges
- ✓ Fiat On/Off Ramps
- ✓ Code Repositories
- ✓ Rollups
- ✓ Off-Chain Data Troves
- Bridges



Why not start as decentralized?

a centralized system enabled Ethereum development to flourish



- Technology stack is non-trivial
 - o It is more than just a load balancer
- Handle billions of requests per day
 - With quick response time
- Operationally complex
 - Continuous upgrade and upkeep
- Guarantee 99.99% uptime for customers
 - Infura has provided consistently reliable service for over 6 years

2016

Infura launches

2017 - 2018 ICO Bubble 2019 - Crypto Winter 2020 - DeFi Summer 2021 - 2022 NFTs

• 2021

External bug causes service outage

2022

Infura announces plan to launch a decentralized infrastructure network

Pressure forces innovation





Decentralization was always the plan



The Node Provider Ecosystem Has Flourished



Q QuickNode

Figment



玉 INFURA







coinbase CLOUD

Decentralization: The gateway to an **open future**





What does **Decentralizing Infura** look like?





Infura, the company, will become a partner in a permissionless network alongside all other network operators





Network Participants



Infrastructure (Node) Providers

Provides service in return for reward



Network Status Watchers

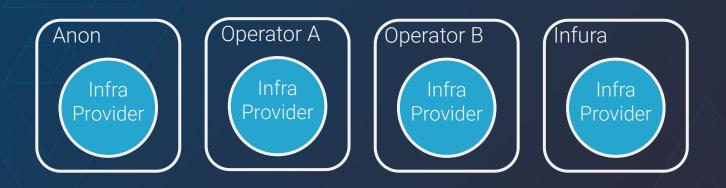
Provides performance and capability reports



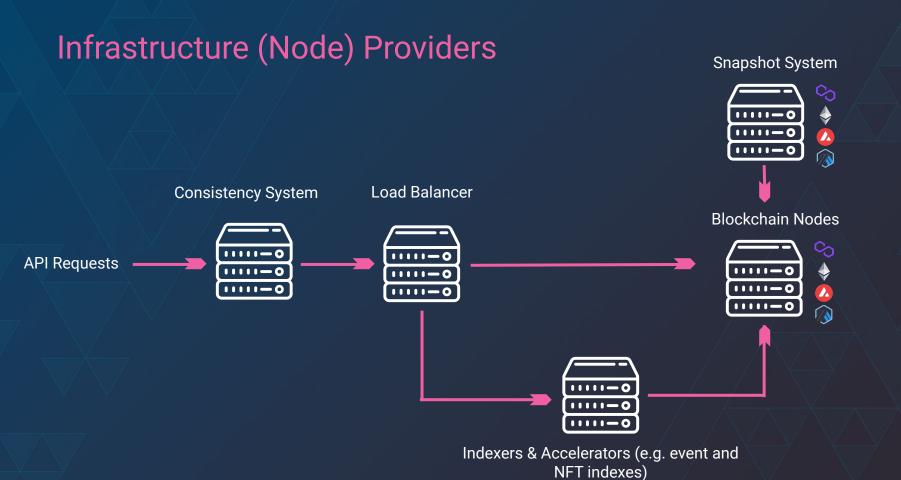
Ingress Nodes

Sells network resources to users

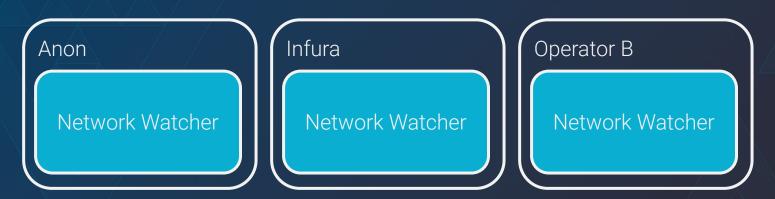
Infrastructure (Node) Providers



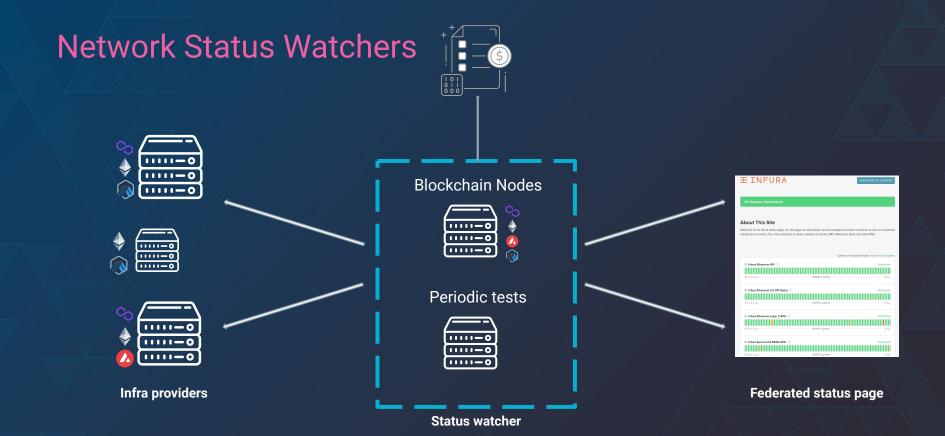
- Commit to provide network capacity
- Specify the protocols and capabilities supported
- Specify the traffic throughput supported
- Compensated for providing service



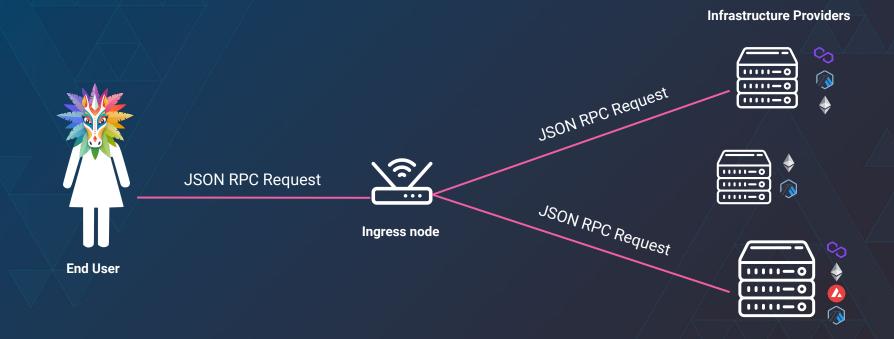
Network Status Watchers

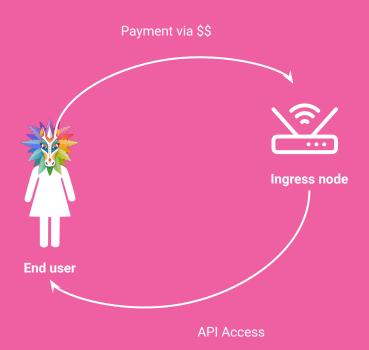


- Periodically test infra providers with a small volume of requests
- Measure performance and correctness
- Report to a federated status page
- Provably incorrect responses can inform penalties



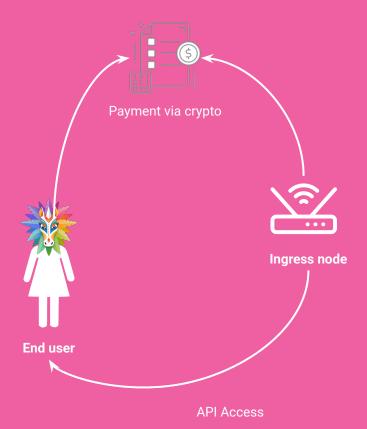
Ingress Node





Same (web2) UX, Better Results

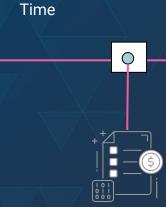




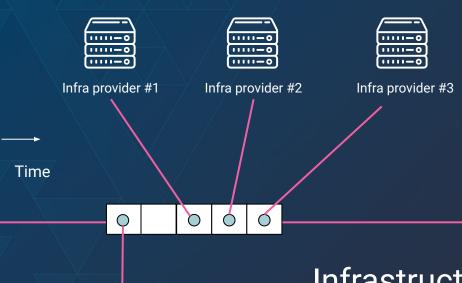
Web3 UX





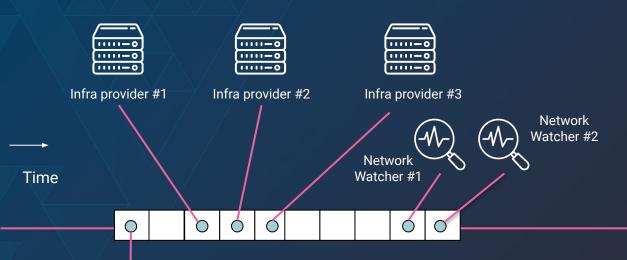


Smart contract is deployed



Infrastructure providers register

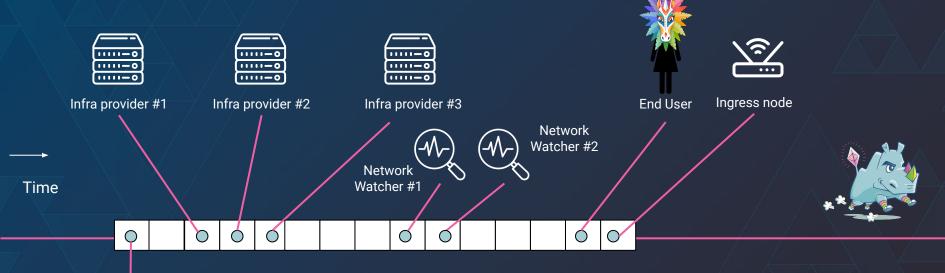
- Protocols
- Capabilities
- Throughput





Network Watchers Register

- For one or many registered providers
- Protocols
- Capabilities

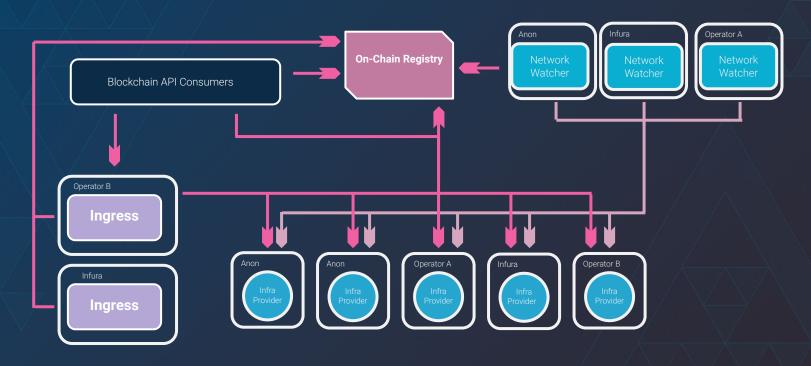




Consumers purchase throughput

- From one or more providers

Decentralized Architecture



Decentralized Infrastructure Network

A self-sustaining, reliable, and robust network of infrastructure providers built to serve a high-throughput of blockchain API requests

- Remove single point of failure
- ✓ Collaborative Web3 spirit
- Improve reliability for users
- Guarantee towards 100% uptime
- Same, easy-to-use Web2 UX



Apply via QR Code



Infura is seeking strong Web3 infrastructure providers to work together towards a decentralized future



Thank you!



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