

**A New NIP for Streamlined, Scalable & High
Volume Machine to Machine Payments for Services**

Christian
cmdruid
PlebDev
uncleJim21



What is a Data Buffet?

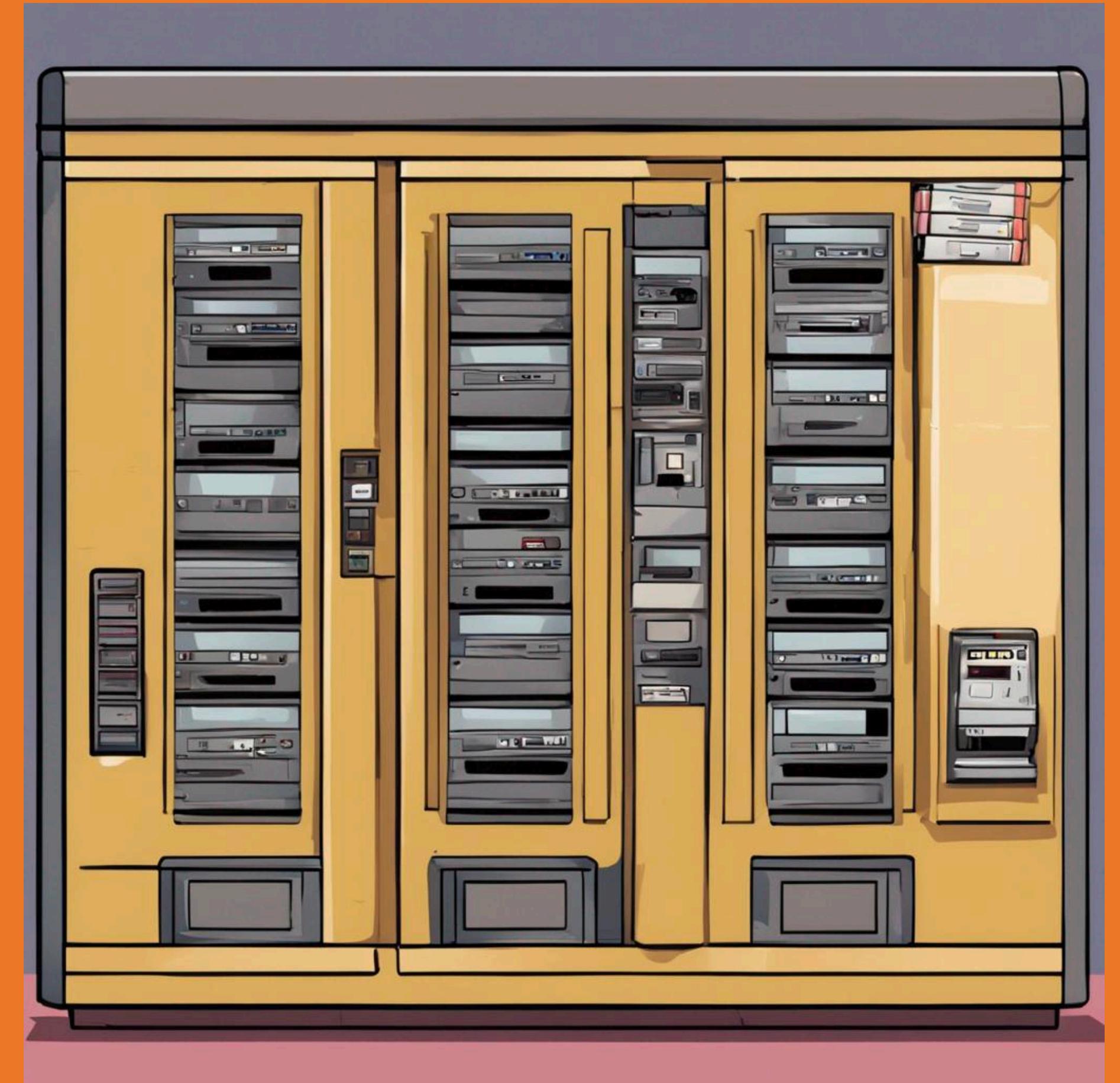


- A new NIP
- Standardizes how service providers publish offers
- Easy for clients to interchange, pipeline build
- Stays true to nostr design principles: dumb pipes smart clients

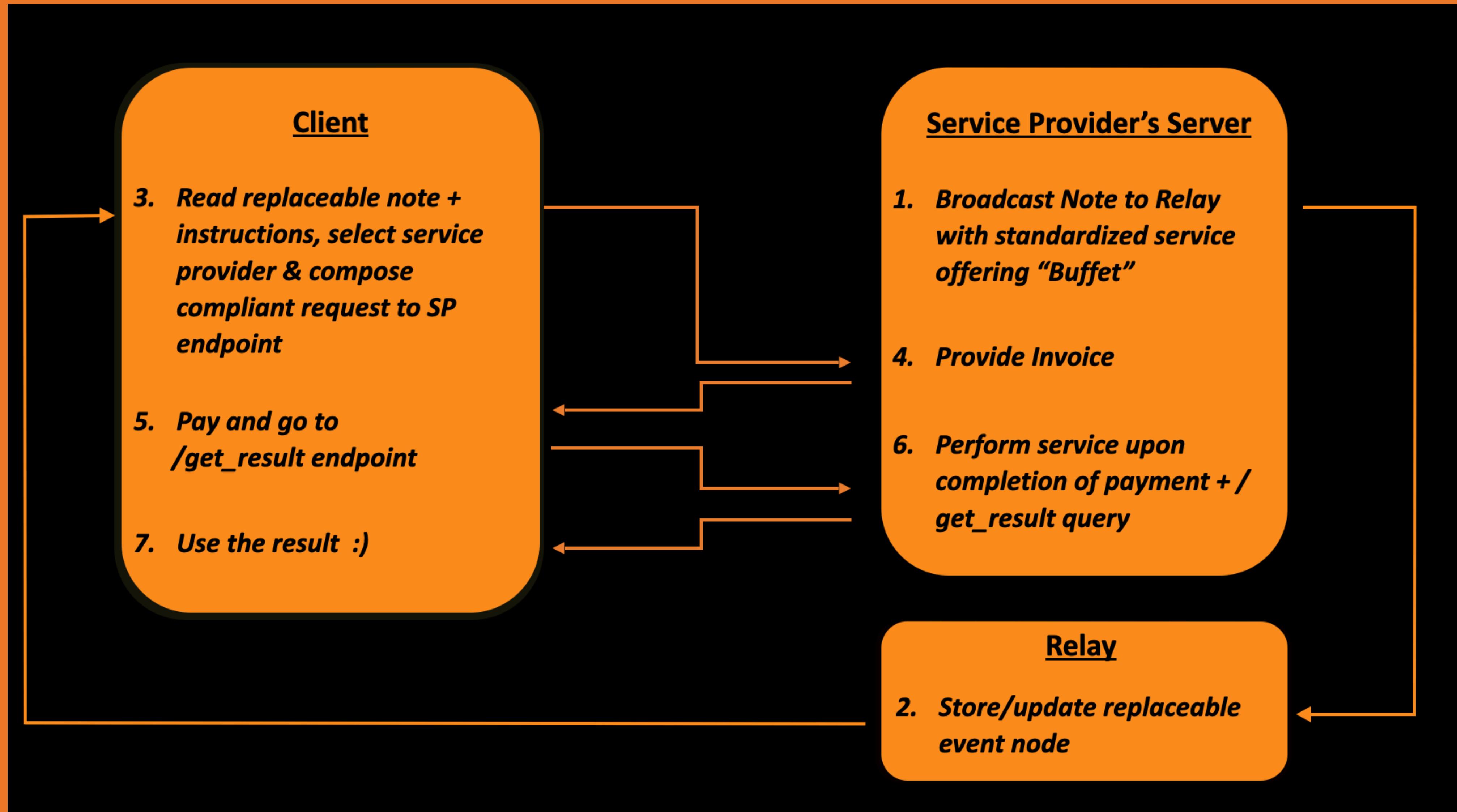
MPW/Data Vending Machines Status Quo

Data Vending Machines

- NIP that provides guidelines for how to do MPW apps on nostr
- By design, very neutral and agnostic to structuring, business models



How Data Buffets Work



Advantages to Data Buffet Approach



For Buyers:

- privacy for their queries
- competition drives best pricing
- optimize for quality vs pricing, composability vs convenience
- overcome regional restrictions on payment methods

For Sellers:

- easy discoverability = more volume
- less need for front end/lead generation
- new way to earn non-KYC sats

Demo



402

Payment Required

Applications for Data Buffets

- Fully composable client apps that can chain requests & build “pipelines”
- “Macro” endpoints that put together workflows i.e. “make me a cool logo and give me 100 options”
- Fully machine driven applications
- Native nostr workflows for client apps such as Damus, Amethyst, Primal others



Future Work

- Fully implement reputational system
- Support for “pay up front” or “pay rate” services
- **Trusted & Curated Relays:**
 - ensure service providers are high quality & high integrity
- **Wizards that facilitate:**
 - Spinning up new instance of a service provider server
 - Ensuring pricing policy + profitability logic
 - Boltwall for non-custodial service provisions
- **Clients that facilitate use cases**
 - pipelines
 - basic one off queries
 - setting up complex MPW applications



The Impact of Data Buffets

- **Scalability:** horizontal scaling - anyone can build on or deploy on this standard and offer standard building blocks or new fangled, innovative APIs. Buyers can find reliable building blocks at the best possible price thanks to competition

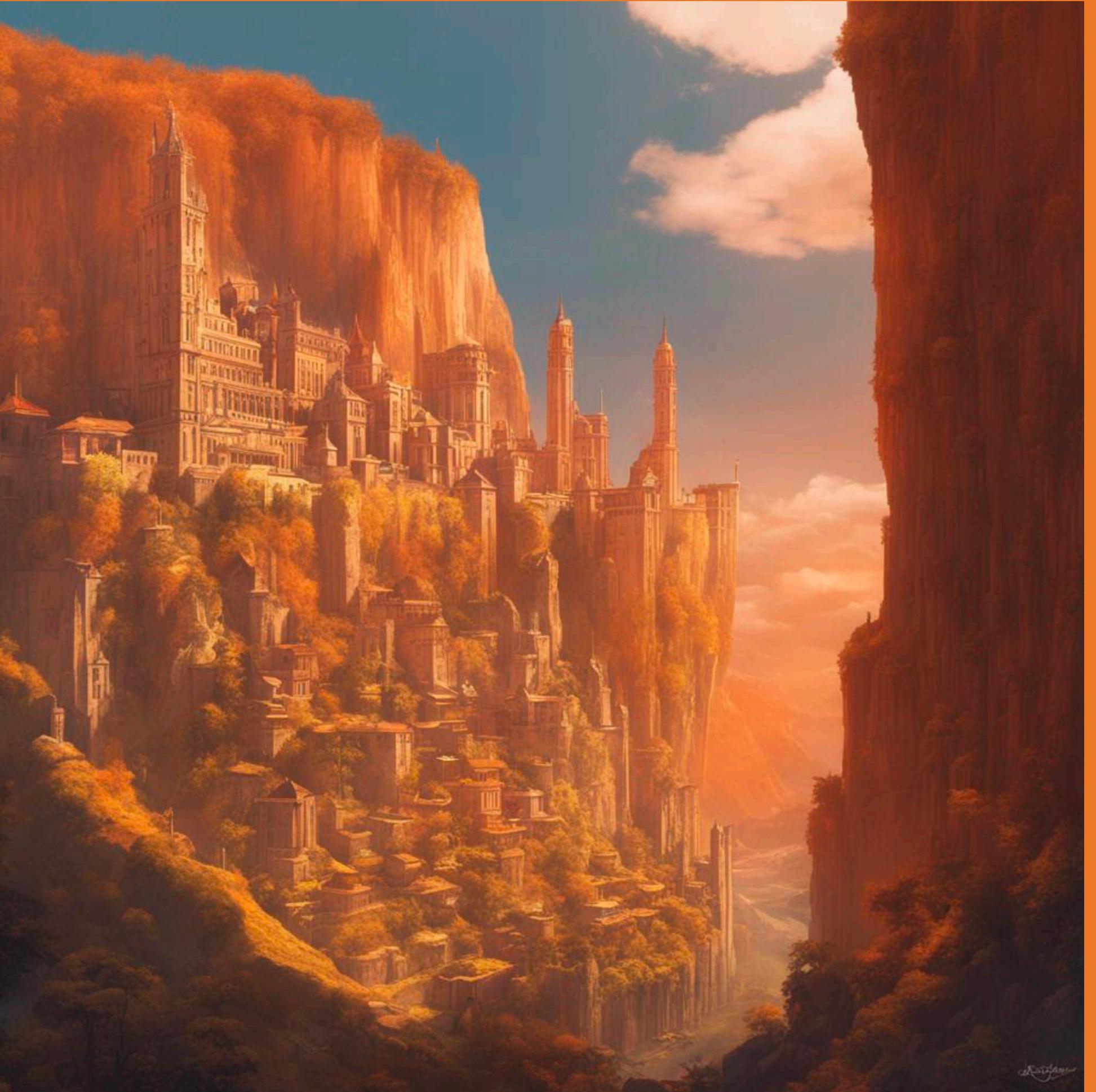
- **Inclusivity:** bring services to people that are not possible without a US credit card. Marketplace is totally open & resistant to rent seeking

-**Privacy:** significant upgrades for buyers laundering requests thru a “VPN” + non-KYC sats for service providers

-Opportunity:

For sellers to earn sats, publish custom & even proprietary models

For buyers to reap the vast benefits of machine learning APIs & mixing and matching them at scale on an open decentralized network that we optimized for efficiency



Final Remarks



- Standardization & interchangeable parts bring massive benefits to this problem
- Demand is infinitely dynamic. Supply is not.
- We consolidate all the dynamism into the client to bring the best cost & scalability

Come build with us on NIP-103 :)