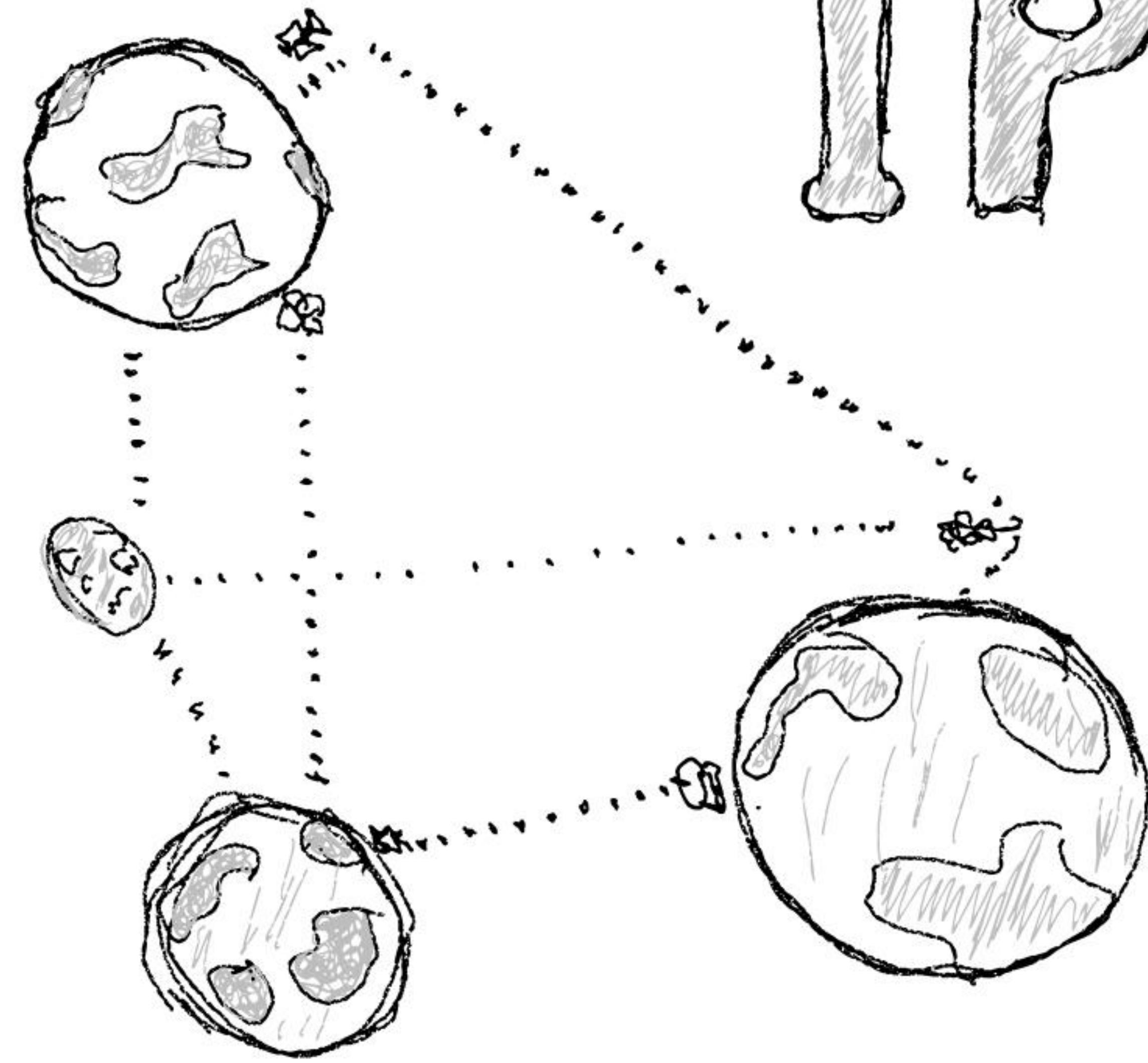


# IPDF: INTER PLANETARY DATA FEED



Irakli Gozalishvili  
[@gozala](https://twitter.com/gozala)

IPFS Camp



IPOF

a  
c  
e  
d  
b  
a

PSROP AFT NIHS

SSB Feed



Kappa



Textile  
leads

Hyper core



Orbit  
IPFS Log

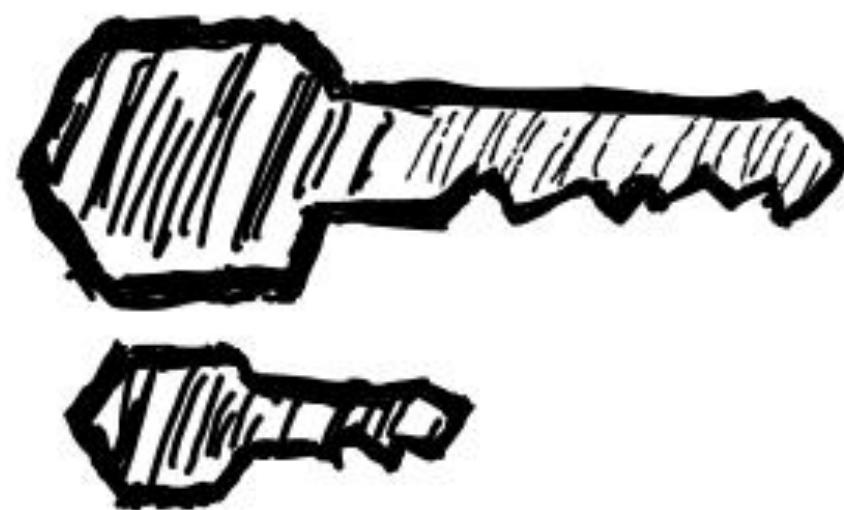
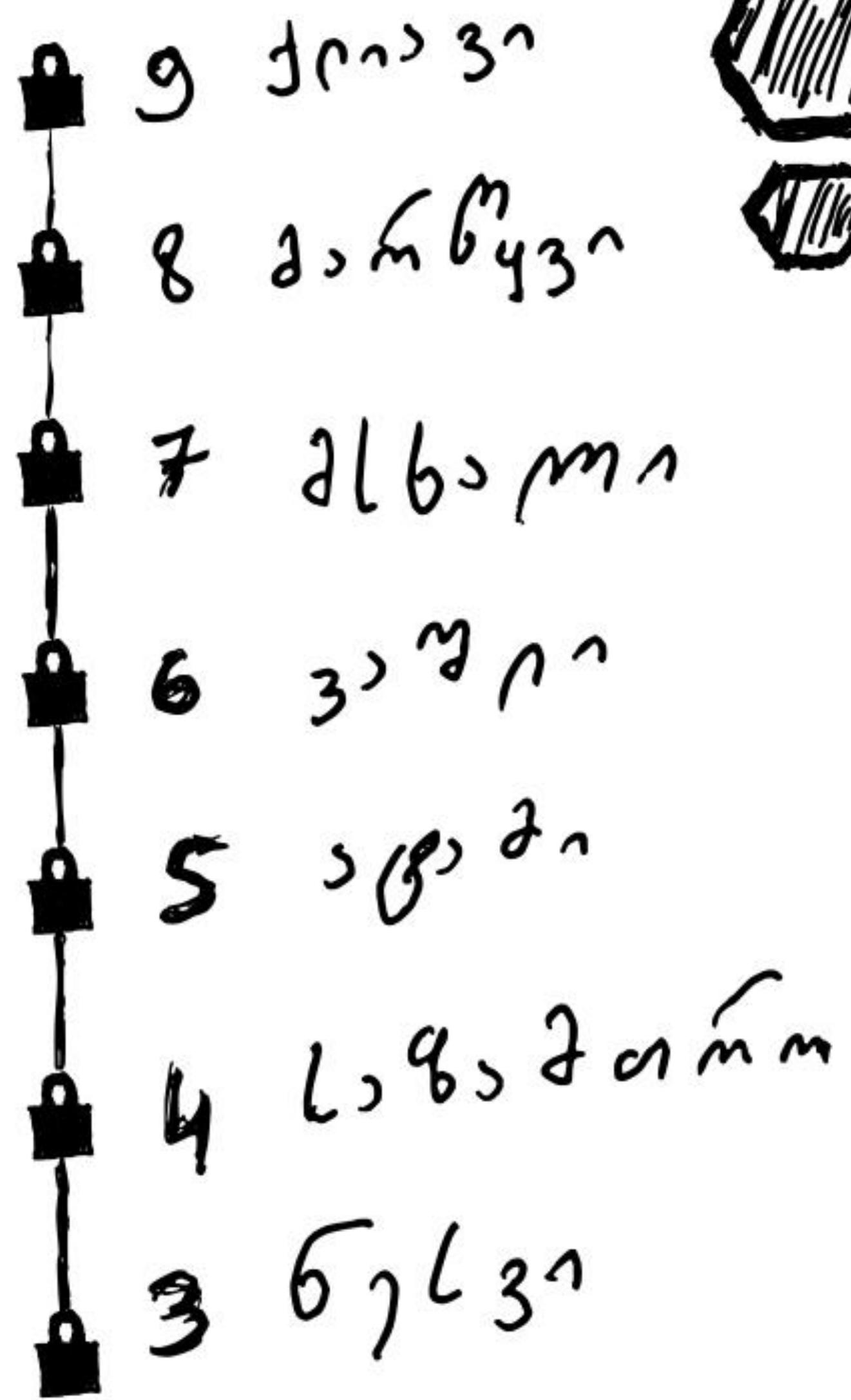
# Versione Data

- amar 62, 8°
- 82, 8°
- am 3, 8°
- agm 3, 8°
- son



Versiohe d  
everything that  
matters

# Feed Authority



Ed 25519

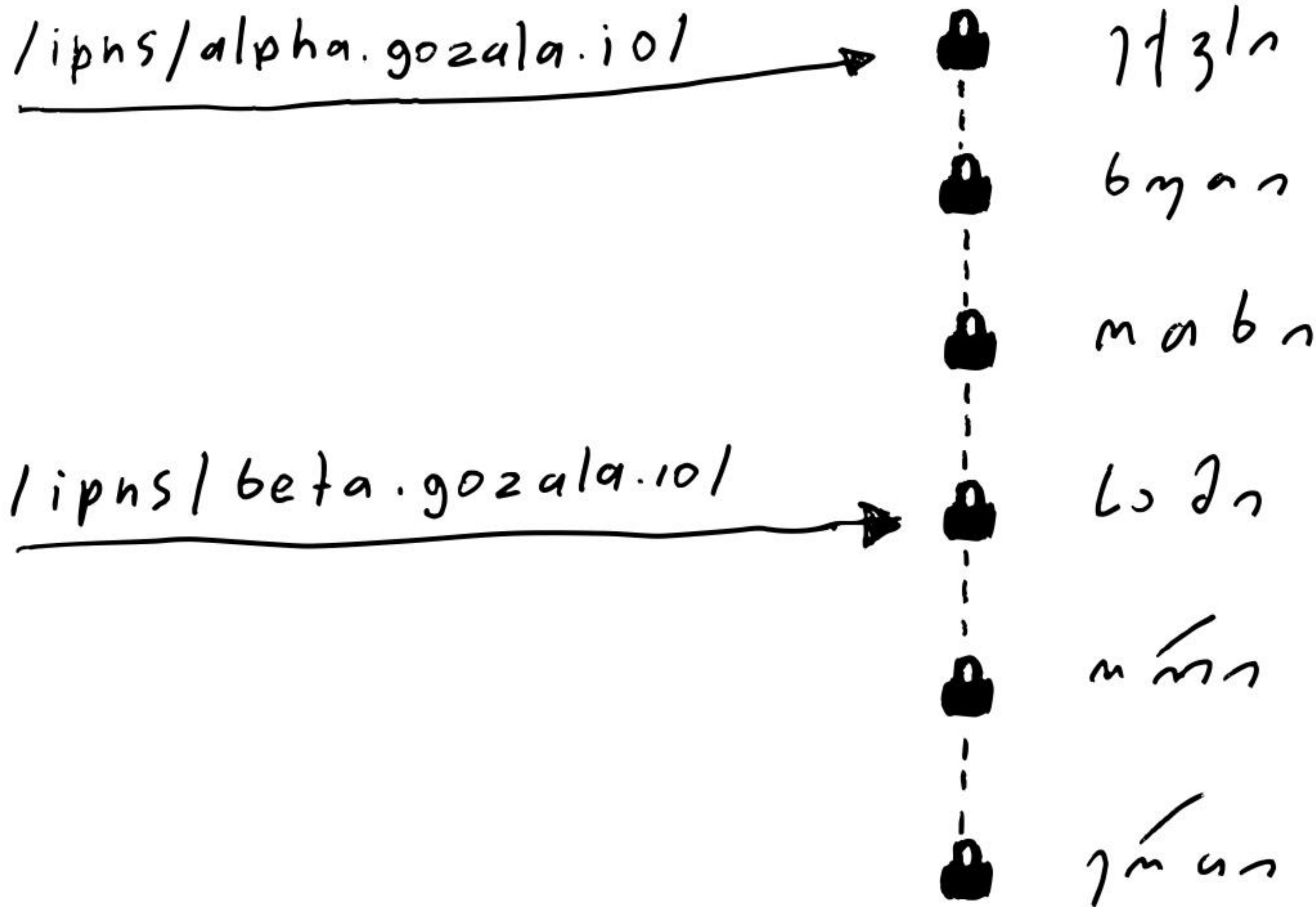
Key Pair

for

Integrity  
checks

Signature  
chain

# Feed ID $\neq$ Name n:1



# Access Control

---

Author

key Pair



Signatures  
integrity

Replicator

key Pair



Traverse feed  
Replicate feed

Recipient

key Pair



Read messages

# Strangers

Feed key signed  
IPNS key + Head link

/ipns/beta.gozala.io

Can see some  
signature &  
opaque blob



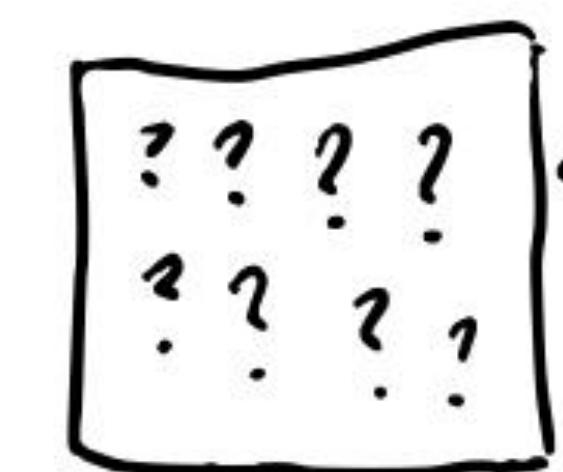
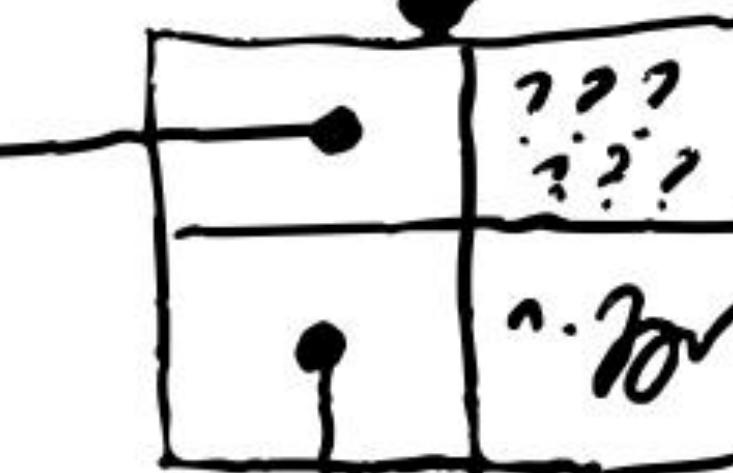
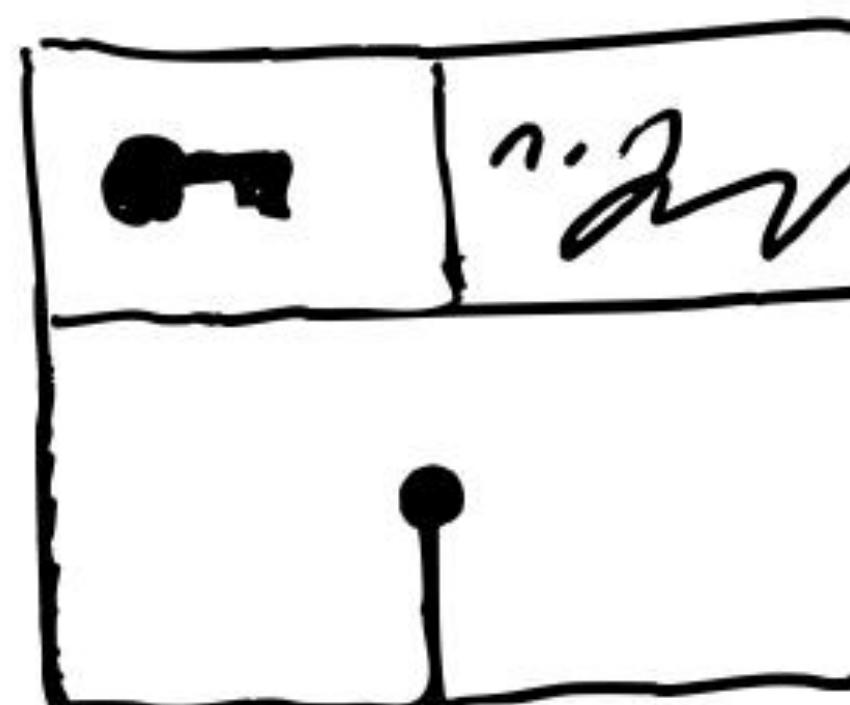
encrypted link  
to the head of  
the feed

# Replicators



Can see  
Shape  
but no  
content

/ipns/beta.gozala.io

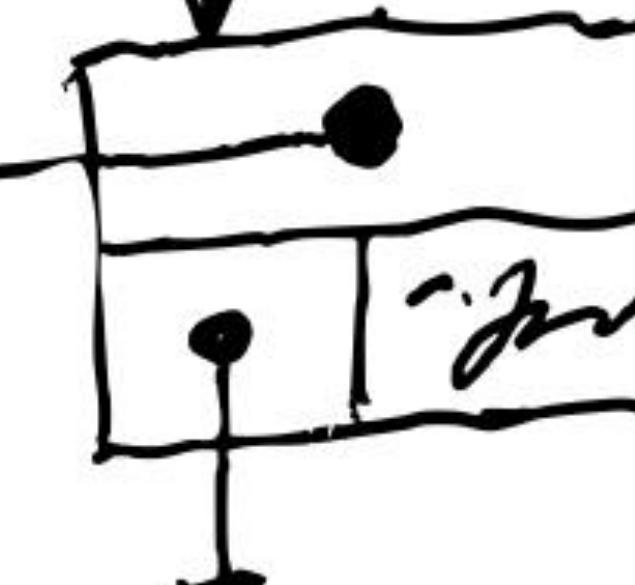
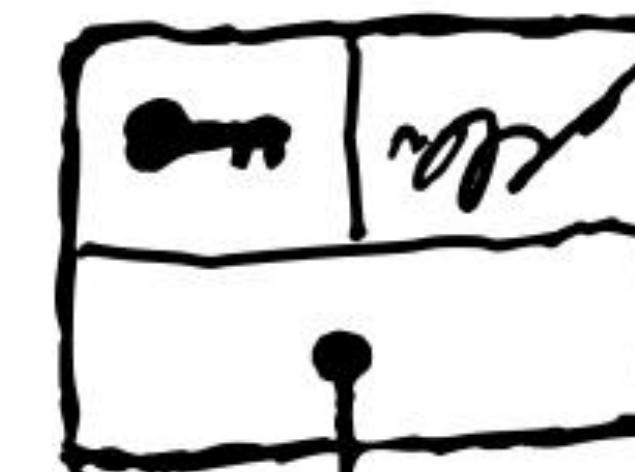


# Recipients

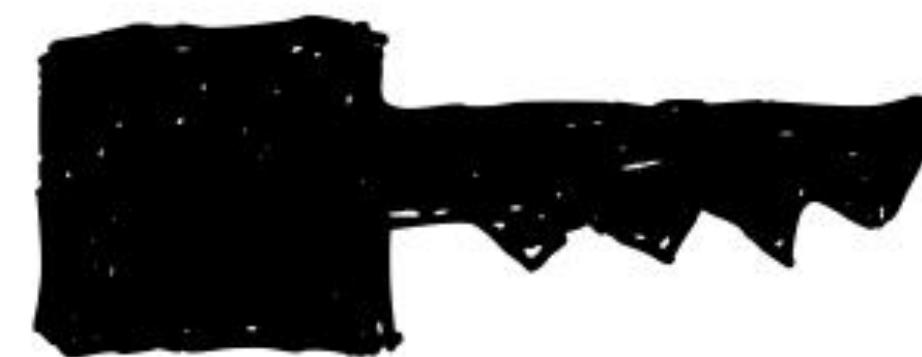
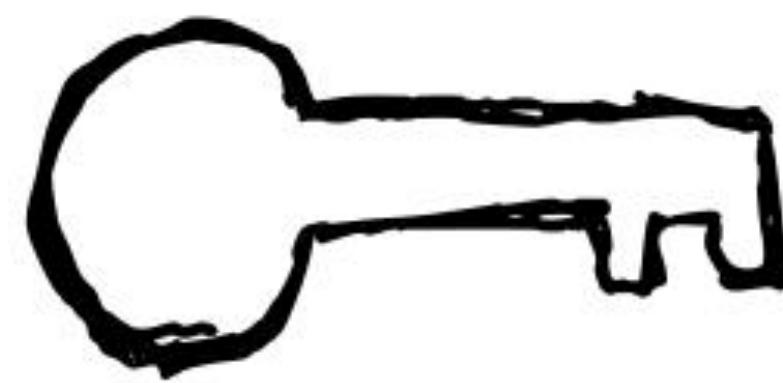


Can  
see  
content

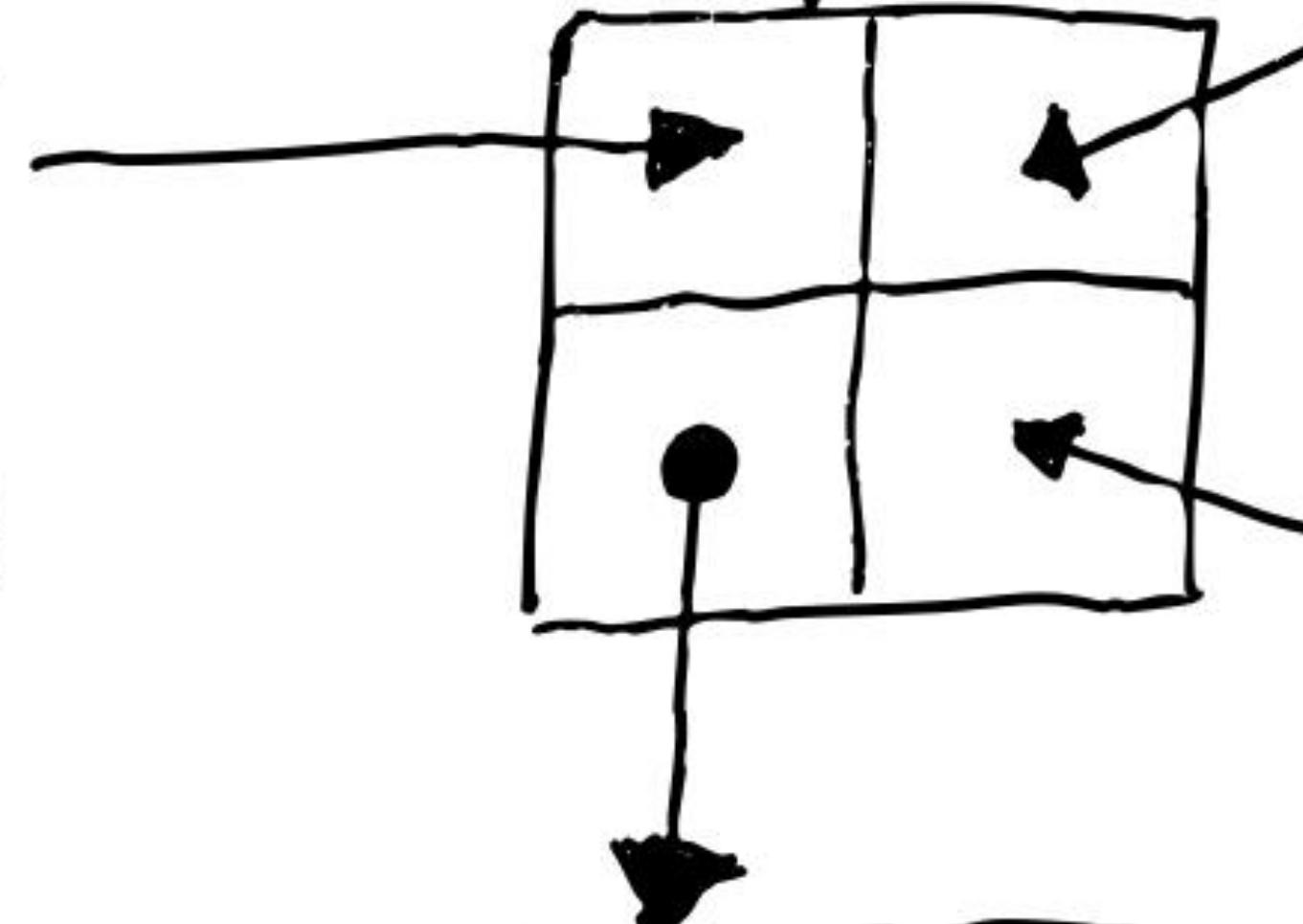
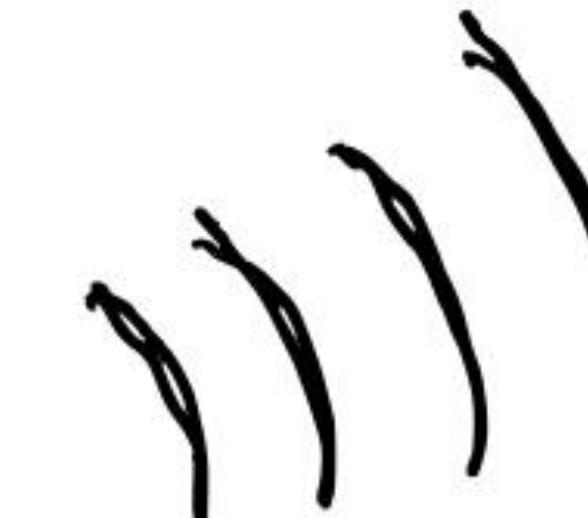
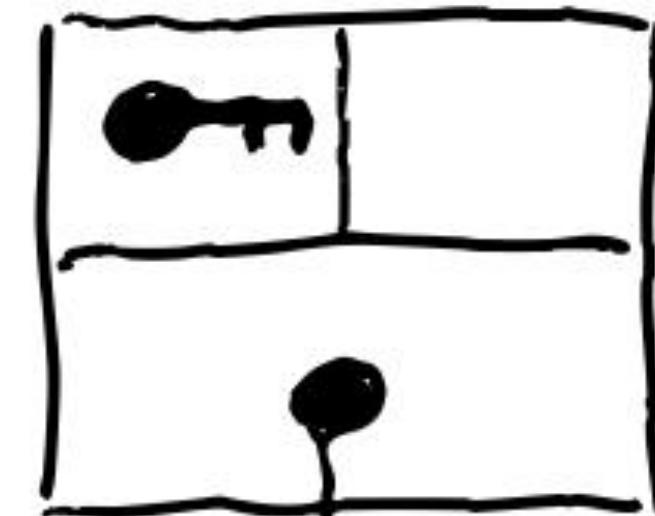
/ipns/beta.gozala.io



Author



liphs/beta.go24lu.10



v.2m

# Open Questions

- Should non author be allowed to publish?
- Should version be public?
- Multiple recipients vs multiple feeds
- Compromised key solution
- Forward secrecy