

meta-currency project

A smart-edge network
with Intrinsic Data Integrity

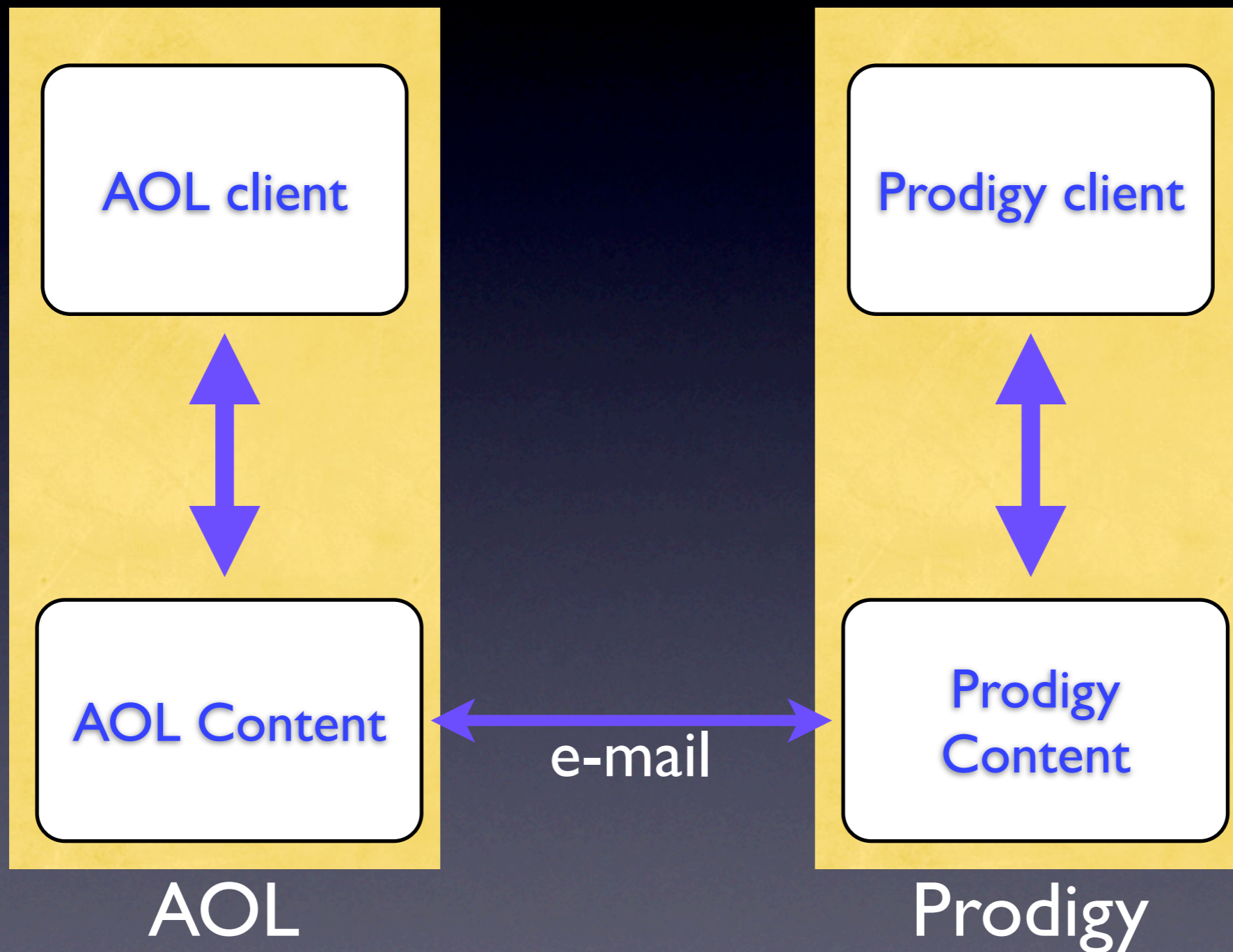
Part I

A Smart-edge Network

Before the web

- Information users and information consumers mostly trapped in the same silos, with limited interconnection

Before the web



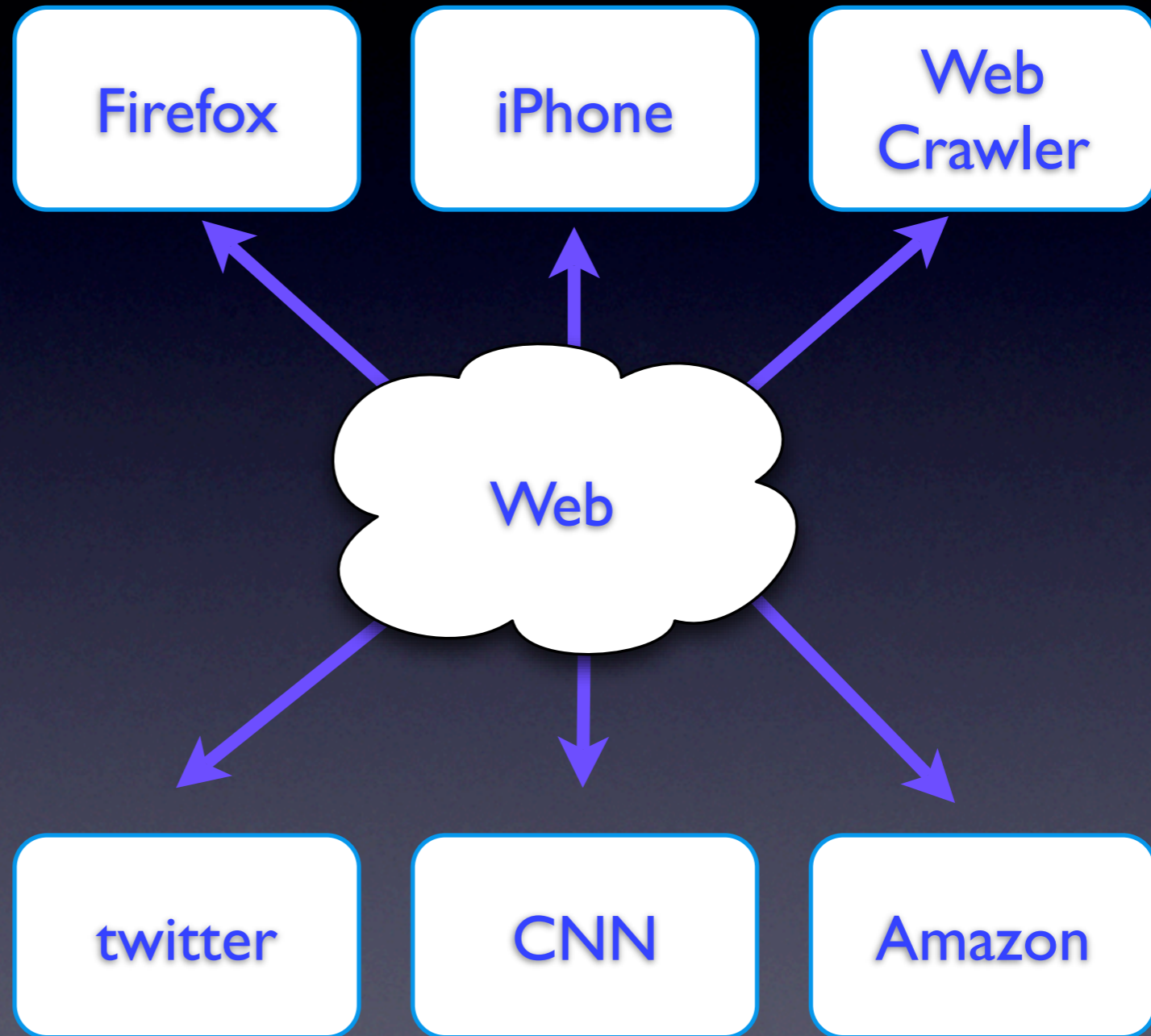
the web

- Creates a network by separation of functions: It splits client and content.
- Resource information consumers are not confined to a silo of information producers.
- Radical growth in client and content makers

the web

Resource Consumer

Can access all providers and choose appropriate tool



Resource Producer

Can potentially serve all consumers on the network

the web

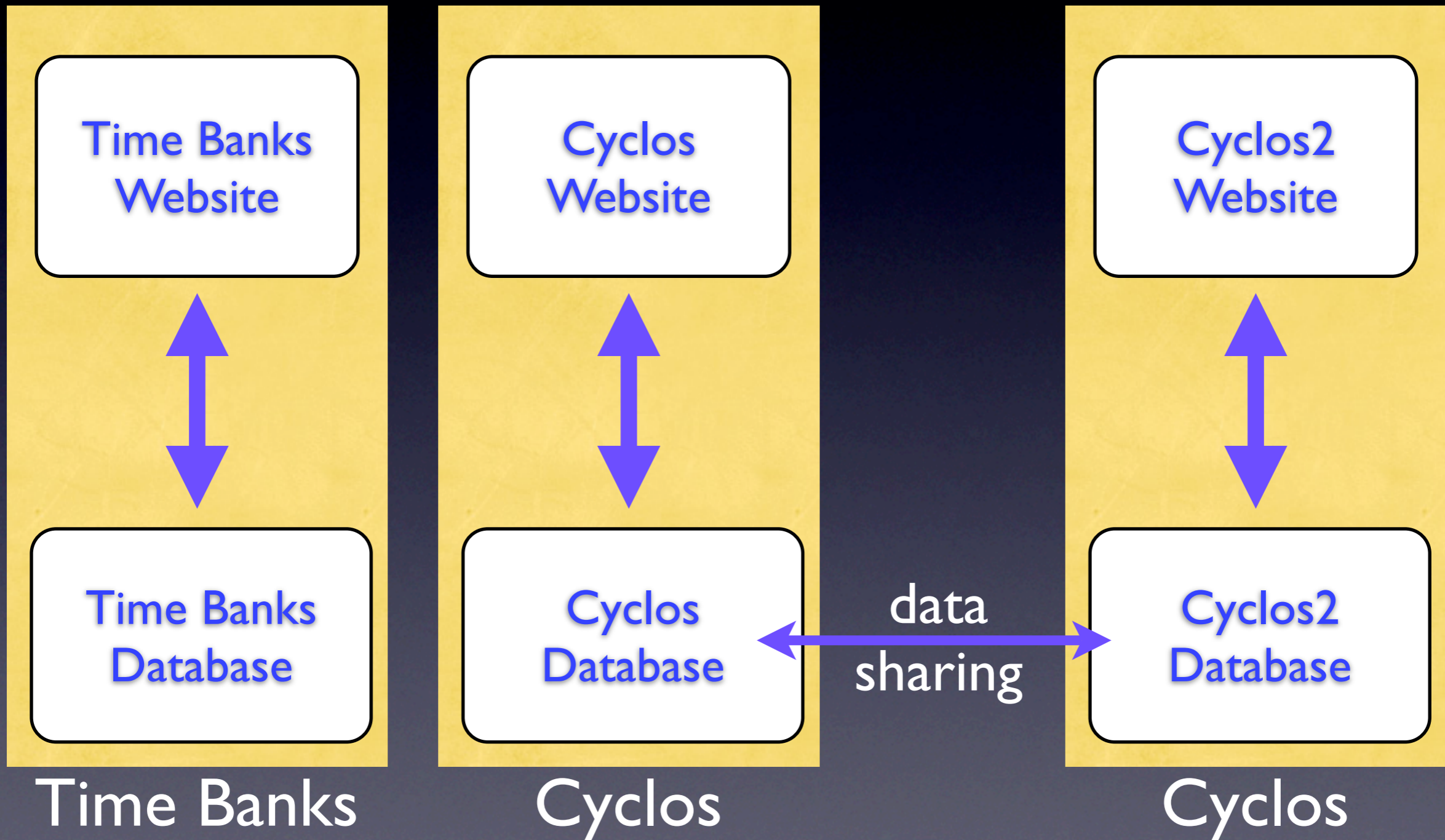
Pushes Intelligence to the edges, which:

- Drives innovation in clients
- Drives innovation in content
- Drives emergence: simple brochures site, news, blogs, twitter, semantic web, google, wikipedia, etc..
- Distributes power into many hands

cc systems today

- One-stop shopping
- Usually a single web-site with integrated marketplace
- Some some integration with other input modalities (sms, phone)

cc systems today



meta-currency platform

Currency User

Can access accounts in all currencies, and choose appropriate tool



Currency Host

Can serve users regardless of tool



meta-currency network

Pushes Intelligence to the edges, which:

- Drives innovation in clients
- Drives innovation in currency design
- Drives emergence... yet to be seen
- Distributes power into many hands

Technical Infrastructure

The Web:

- a simple interaction pattern (protocol):
Hypertext Transfer Protocol (HTTP)
- a set of standard formats for specifying resources:
HTML, XML, jpg, png, Javascript...

The Meta-currency Network:

- an interaction pattern (protocol):
Meta-Currency Protocol (MCP)
- a set of standard formats for specifying currency types and transactions in those currencies

Part II

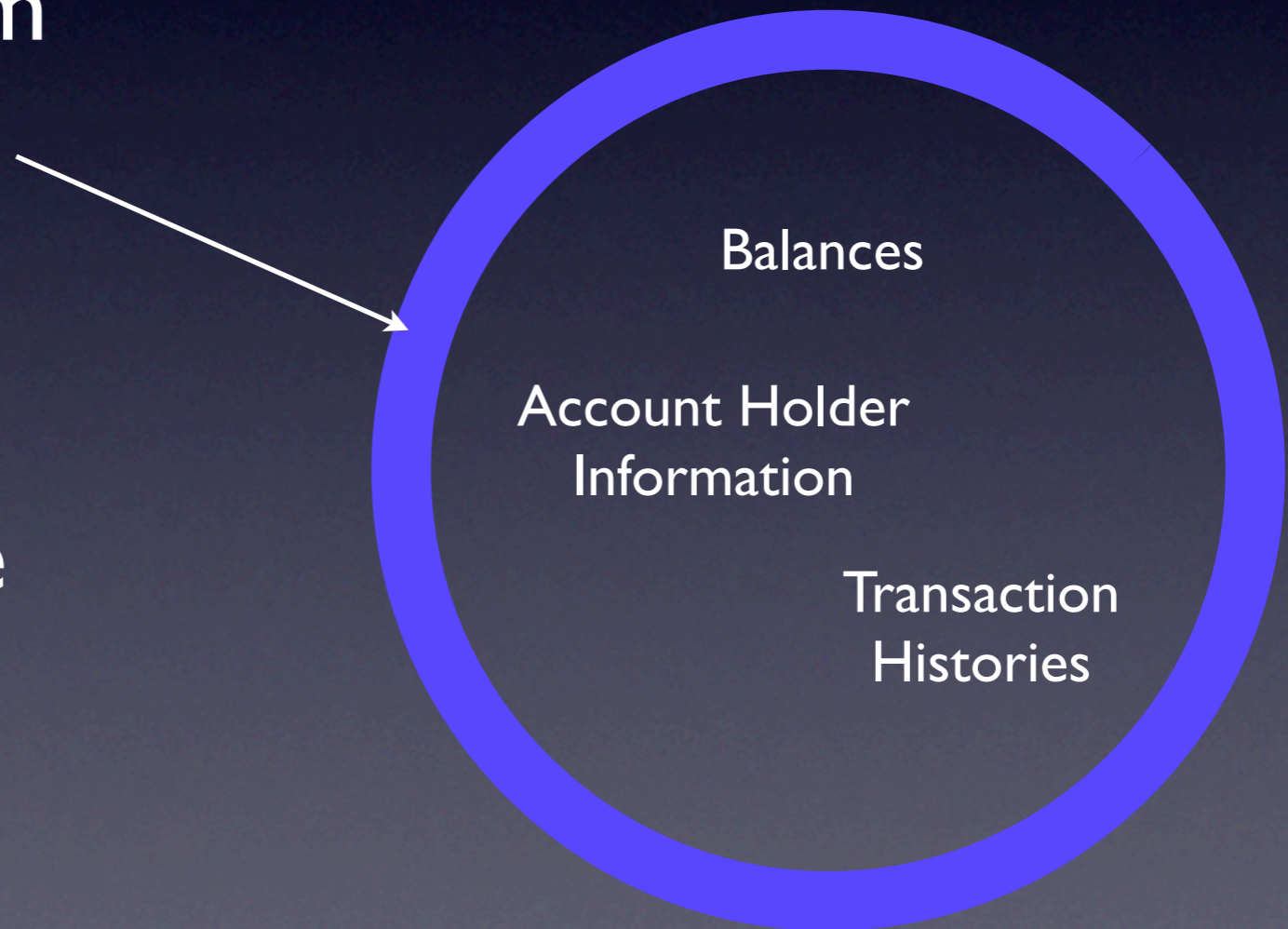
Intrinsic Data Integrity

Today's security model

Integrity through strength

Data is safe from
corruption by
strong walls

Power is in the
hands of wall
builders



Intrinsic Data Integrity

Security through structure

Data is safe from corruption by being embedded in an incorruptible context

Power is in the hands of currency users

Balance =

encrypted value +
signature + link to
previous signed balance

Transaction =

encrypted transaction
+ signature + link to
previous signed
transaction