

The background of the slide is a dark, star-filled space scene. It features several nebulae with glowing blue and orange gas clouds. A small, stylized figure of a person stands on a rocky outcrop in the lower center. The overall atmosphere is mysterious and vast.

PREPARED FOR THE COSMOS MULTIENTITY CALL NOV 3RD 2020

FROM IBC 1.0 TO THE INTERCHAIN



GOALS FOR IBC GO TO MARKET

BUILDING BILLION DOLLAR IBC APPLICATIONS

IBC PROTOCOL STATUS

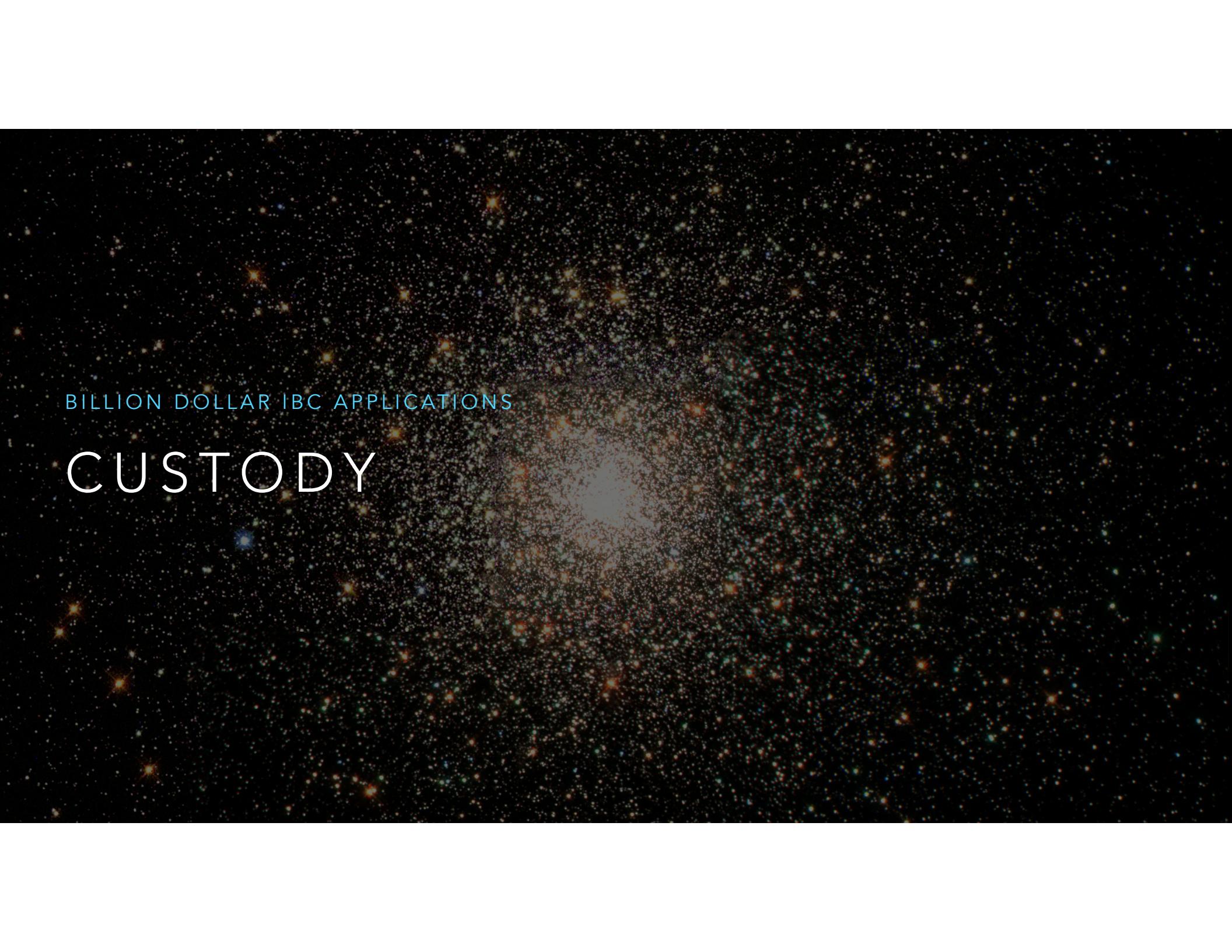
- IBC has succeed in providing wiring and connectivity that applications can use.
- We have not yet made the Interchain a compelling place to deploy applications.

CHALLENGES ON THE FRONT LINES

- IBC 1.0 allows composition between blockchains
- Composition at the custody, discoverability, observability and operations level is missing.
- Missing pieces in composition/coordination require builders to build from scratch.
- Playbooks, positive patterns and anti patterns need to be defined.

COMPOSABILITY

- New behaviors can be introduced to the existing platform through the use of defined API and protocols to deliver complete user experiences without reinventing substantial portions of functionality.
- Developers should be able to add new functionality to the Interchain without forking or redeploying major ecosystem components. Requires the adoption of system for executing trust minimized third party code within Interchain ecosystem applications.

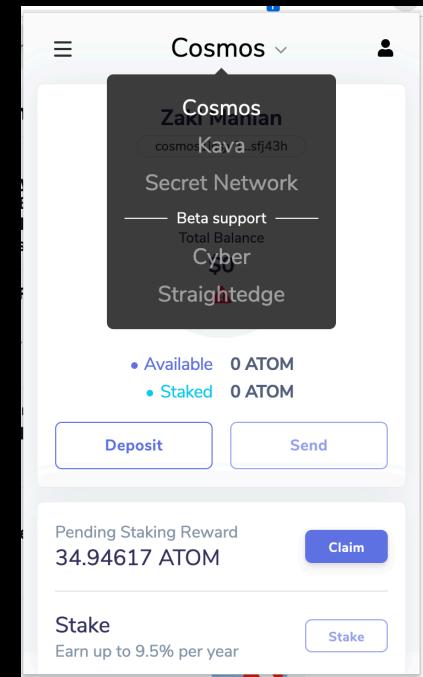


BILLION DOLLAR IBC APPLICATIONS

CUSTODY

WHERE IS MY STUFF AND HOW DO I MOVE IT?

- Users need to be able see current balances, and assets across chains and understand how it got there?
- Invoke an application, sign a message



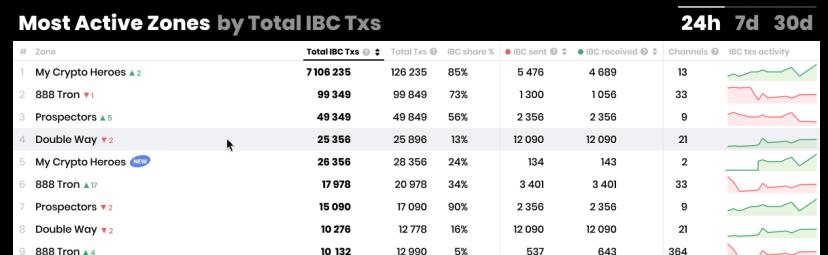


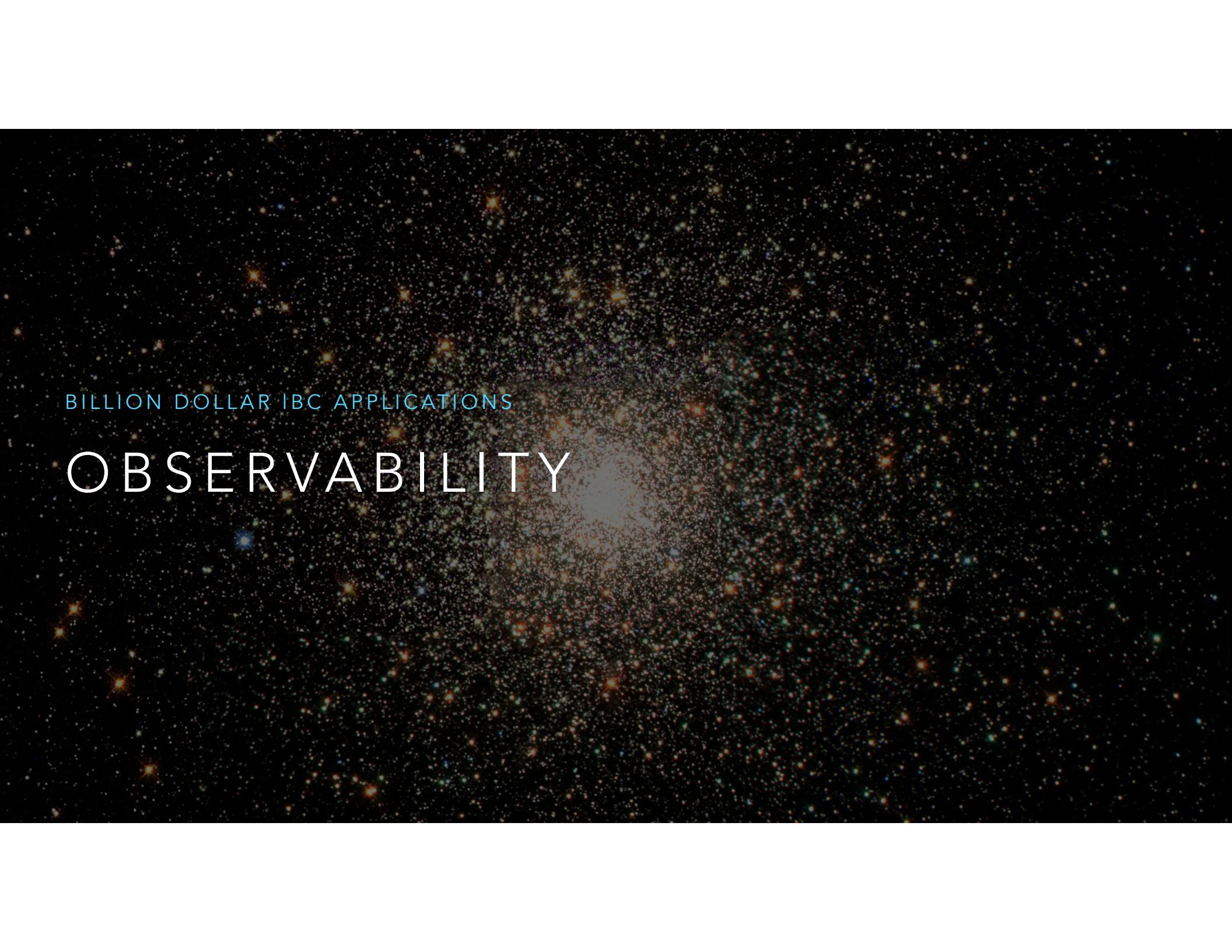
BILLION DOLLAR IBC APPLICATIONS

DISCOVERABILITY

OBSERVING THE INTERCHAIN

- Discovering chains and applications
- Surfacing security parameters
- Surfacing economic interconnection





BILLION DOLLAR IBC APPLICATIONS

OBSERVABILITY

BLOCK EXPLORERS

- Understanding userflows across chains with integrated tools
- Block explorers that can link data across protocols
- Extensible support for application protocols.



BILLION DOLLAR IBC APPLICATIONS

EXECUTION

RELAYER++

- Billing and service modules for transactions delivery
- Recovering from partial or stuck states like unrelated packets.

RECOMMENDATIONS

- The Interchain needs additional services.
- We need to define a split between new application protocols and IBC implementations for chains and these services.
- We need extensibility attached to anyone building solutions here.