Tangle Centric Networking

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Problem Statement

- In ICN content has a fixed binding to a name
- Even for small changes manifests need to be updated
- Goal: Extending data without recomputing manifests
Use a Tangle as Manifests

A tangle is used as manifest and for synchronization.
Tangle Centric Networking

- TCN is based on ICN
- TCN maps data and their relation to each other into the network
- A synchronization protocol based on tangles
- Network consensus instead of fixed name-data binding
- Support building distributed apps and distributed computation
- Computation: Represent a computation graph as a tangle and sync the state
Questions?

Thank you for your attention!