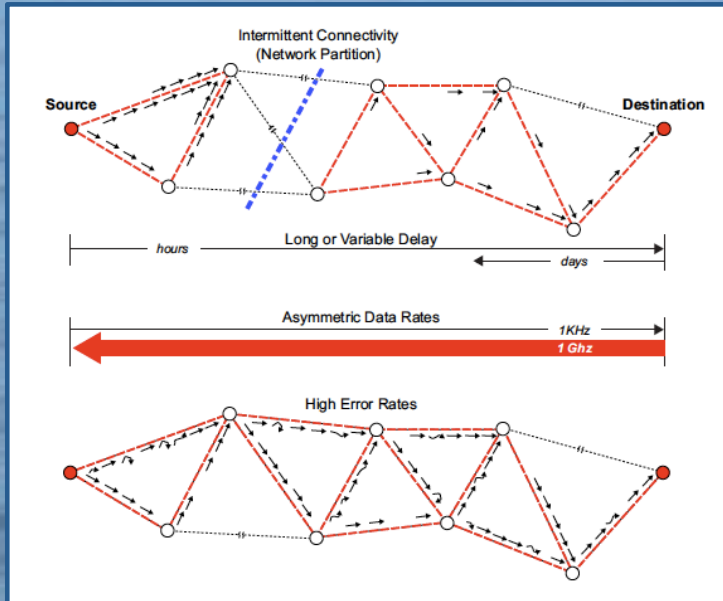


Delay Tolerant Networking (DTN)

Why DTN?



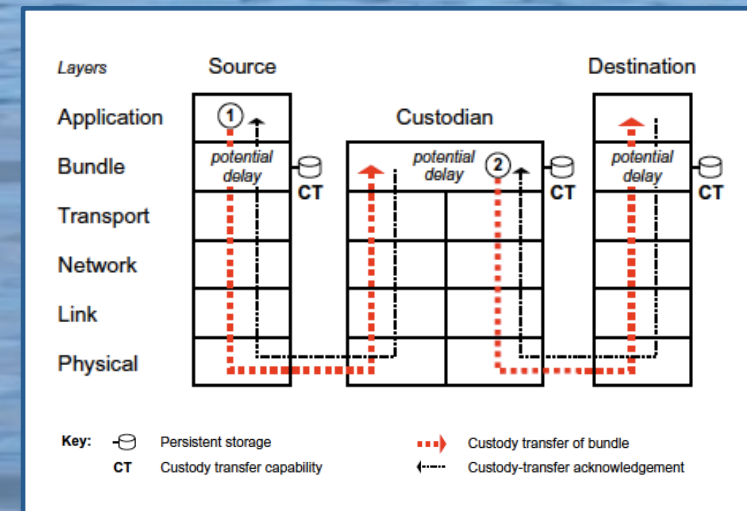
source: Warthman, Forrest. Delay Tolerant Networks: A Tutorial



Remote Sensing Applications



Bundle Layer: Store and Forward



source: Warthman, Forrest. Delay Tolerant Networks: A Tutorial

- Size of entire message known *a priori* (store and forward)
- Minimal end-to-end communication
- Enables intermittent scheduled or opportunistic contact

• See also: - Warthman, Forrest. *Delay Tolerant Networks: A Tutorial* ([link](#)) - Farrell, Stephen and Cahill, Vinny. *Delay- and Disruption-Tolerant Networking*. Boston: Artech House, 2006.

- All nodes require functional transport layer and bundle layer
 - Permits operation between networks with different Transport/Network Protocols
- Communication isolated by storage in Bundle Layer
 - Bundle Layer header
- Custody transfer