Rings 101 - What is Distributed Network
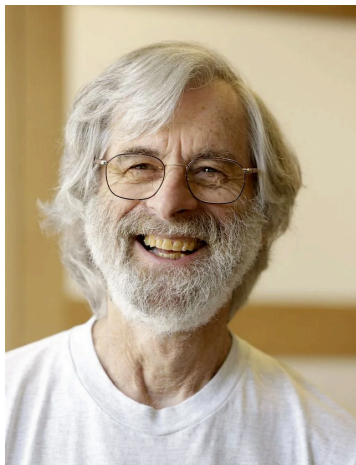

Rings Dev

July 13, 2023

What is Distributed Network

- Definition: What is distributed system (1min)
- Definition: What is a distributed Network (1min)
- Is internet distributed? (1min)
- Intoduce to dWeb (1min)
- Implementation of dWeb (1min)

Definition: What is distributed system

A system is distributed if the message transmission delay is not negligible compared to the time between events in a single process. [?]

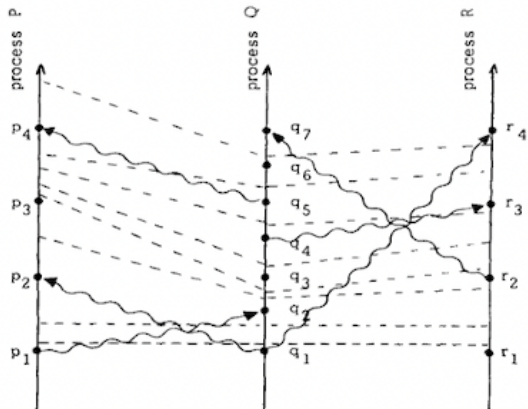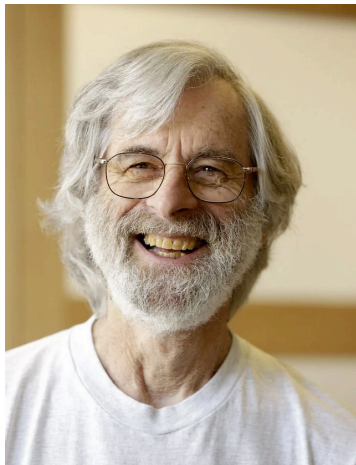**— Leslie Lamport, 1978**

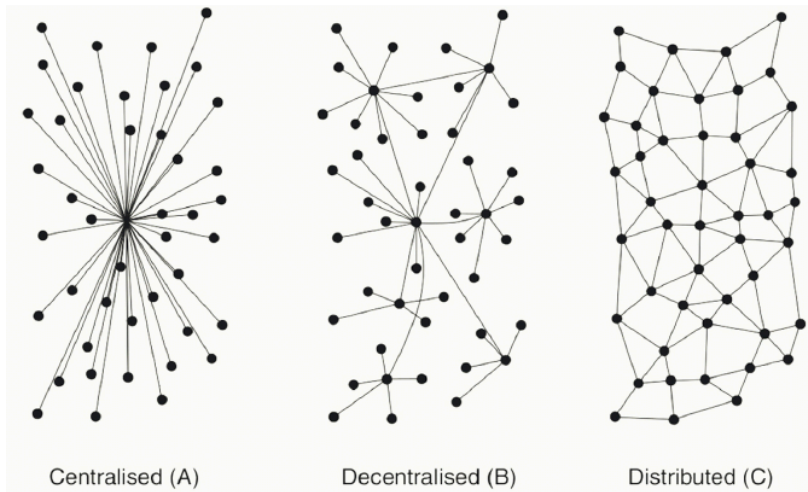Operating Systems   R. Stockton Gaines
Editor

Time, Clocks, and the Ordering of Events in a Distributed System

Leslie Lamport
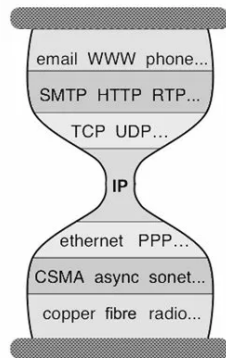Massachusetts Computer Associates, Inc.

Logical Timestamp
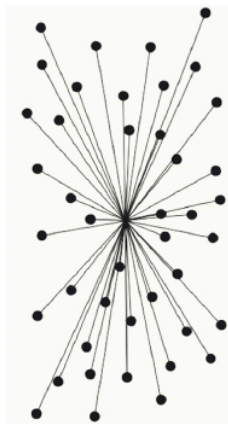
Definition: What is distributed network

Centralised (A) Decentralised (B) Distributed (C)
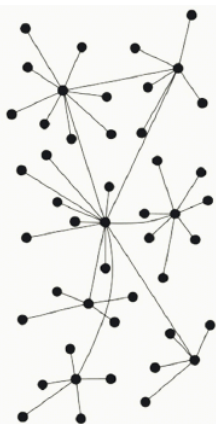
The system is failing.[?]

— Tim Berners-Lee, 2017
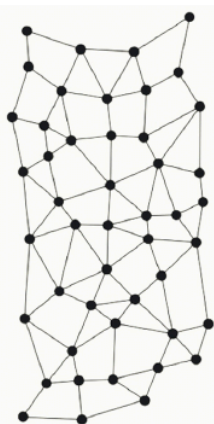
Centralised (A)   Decentralised (B)   Distributed (C)   [?]

Implementation of dWeb

- Tor Project - Onion Relay, Hidden services
- GUNnet - DHT Based, structure p2p
- Rings Network - DHT and WASM, structure p2p

Thanks

Repository of this Slides:

Reference