# Unanimous

In Pursuit of Consensus at the Internet Edge

EuroSys Doctoral Workshop 20th April, Bordeaux

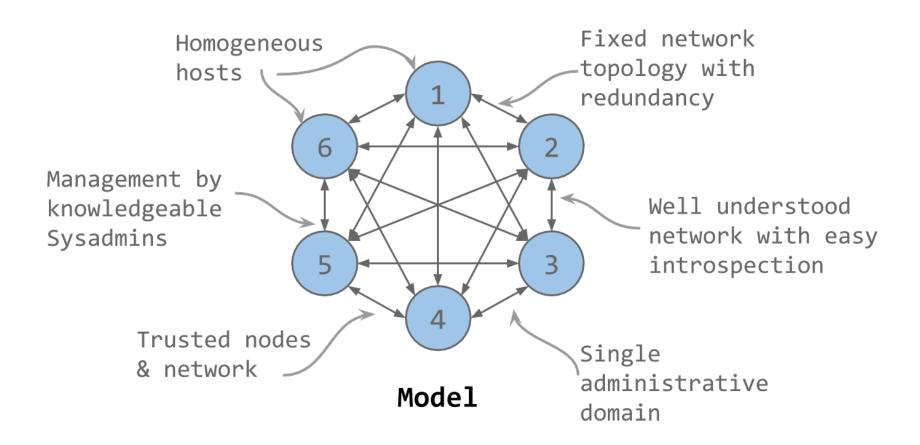
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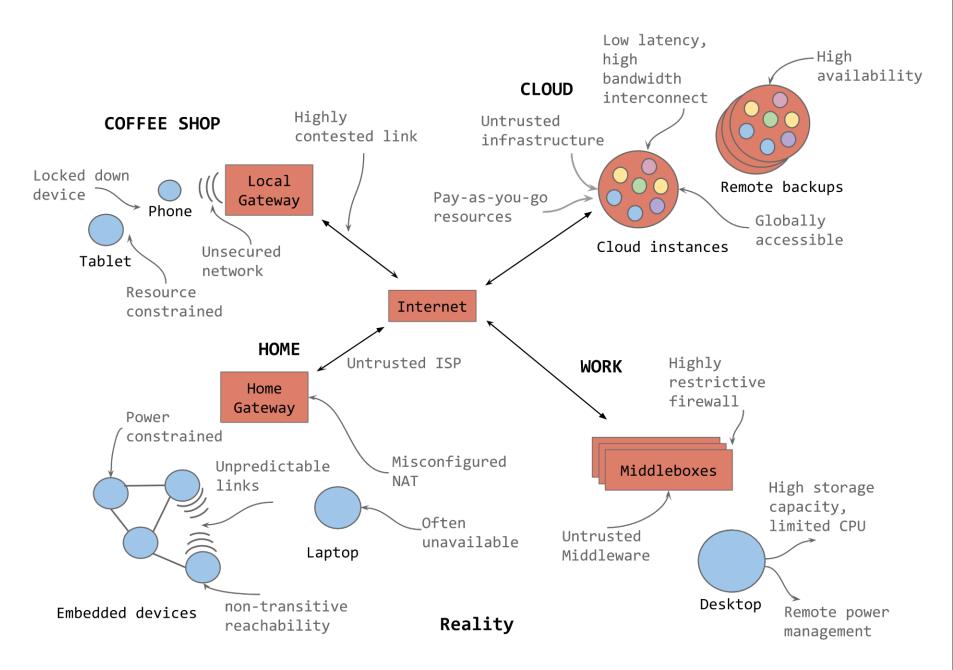
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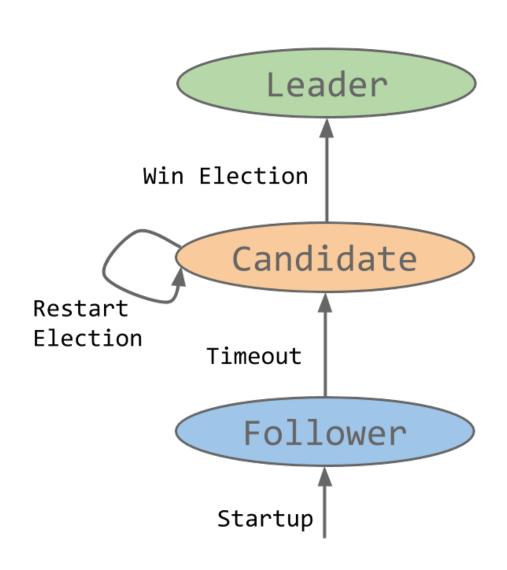


#### Problem

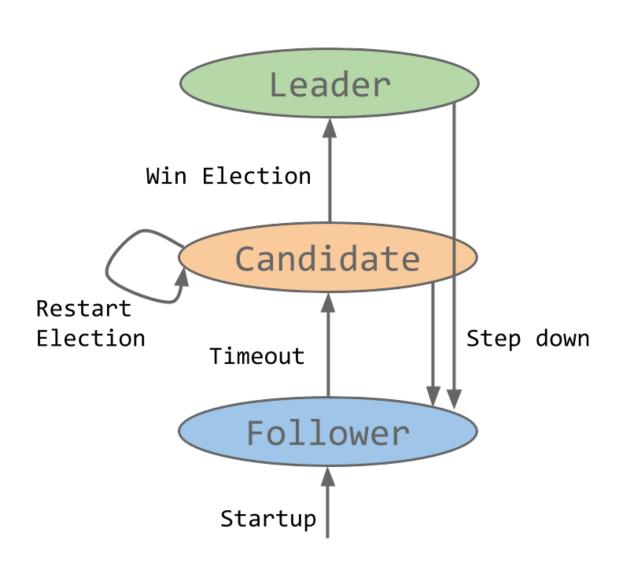
Developing fault-tolerant applications for the Internet edge is hard.



### Quick Intro to Raft

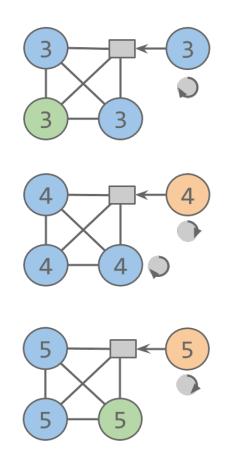


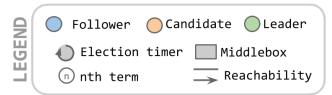
## Quick Intro to Raft



#### Example:

Asymmetric Reachability in Raft





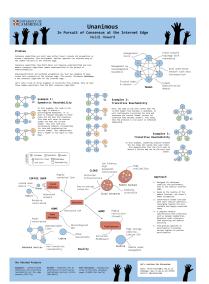
#### Approach

- 1.designed for developer usability and performance.
- 2.based on the reality of the modern internet.
- 3.conservative leader election with smart failure detectors.
- 4. various degrees of passive participation.

#### Comments & Questions

"In my experience, all distributed consensus algorithms are either:

- 1: Paxos,
- 2: Paxos with extra unnecessary cruft, or
- 3: broken." Mike Burrows



#### let's continue the discussion:

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