

P₂TP

the multiparty transport protocol

Mission

- transport protocol
- both VoD and streaming
- embedded 24x7 use

Objectives

- light footprint
- NAT puncturing
- non-intrusive congestion control
- generic

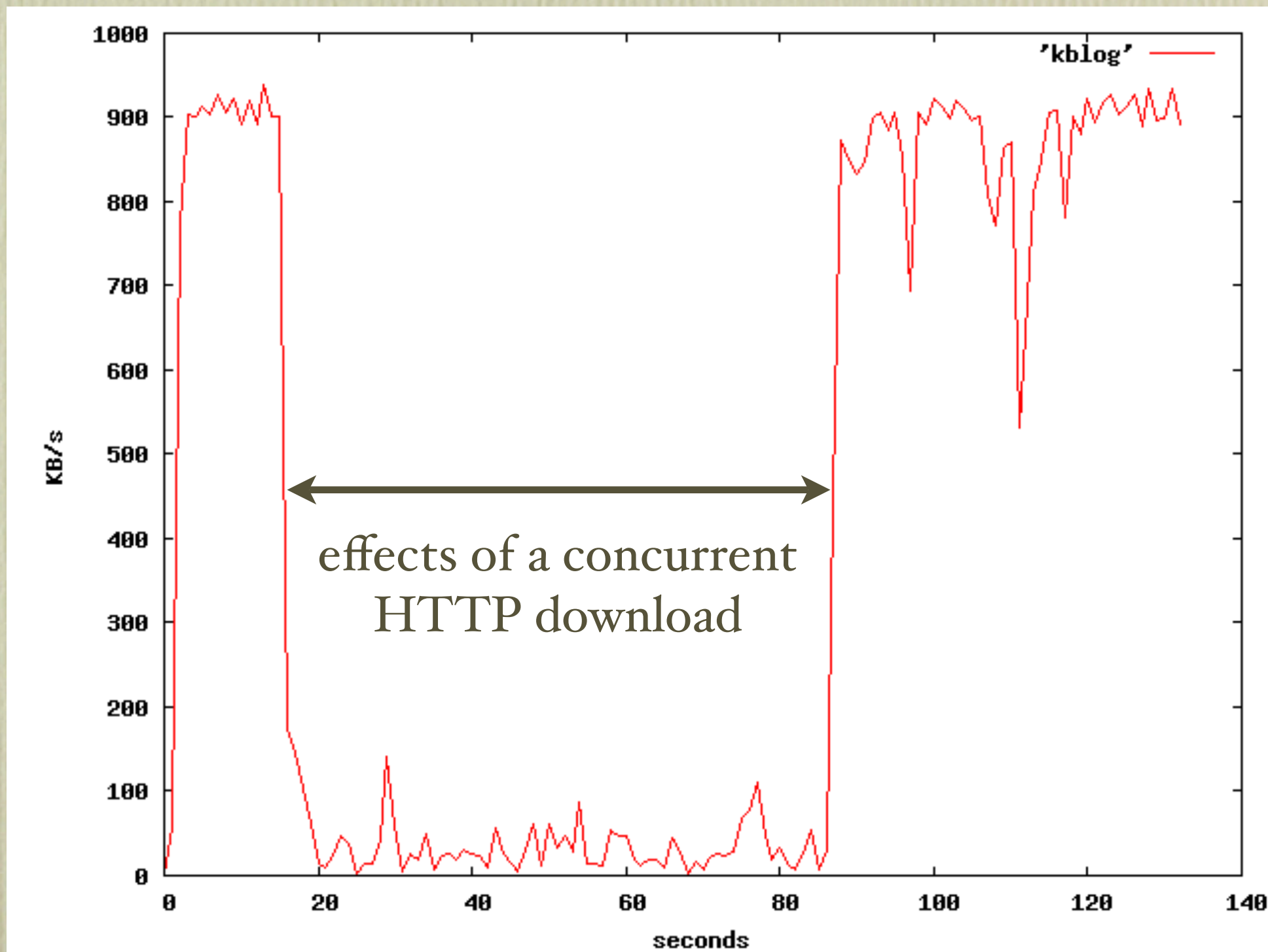
Method

- atomic UDP datagrams
- LEDBAT (?UPB)
- common message set
- Merkle hash trees
- binmaps

Status

- state machine: implemented (May09)
- congestion control: implemented (Sep09)
- binmaps: implemented (Mar09)
- streaming: solved on paper
- testing: TBD

LEDBAT



binmaps

- (to add)

Help needed

- congestion control testing
- state machine testing
- NAT penetration testing
- code review
- security review