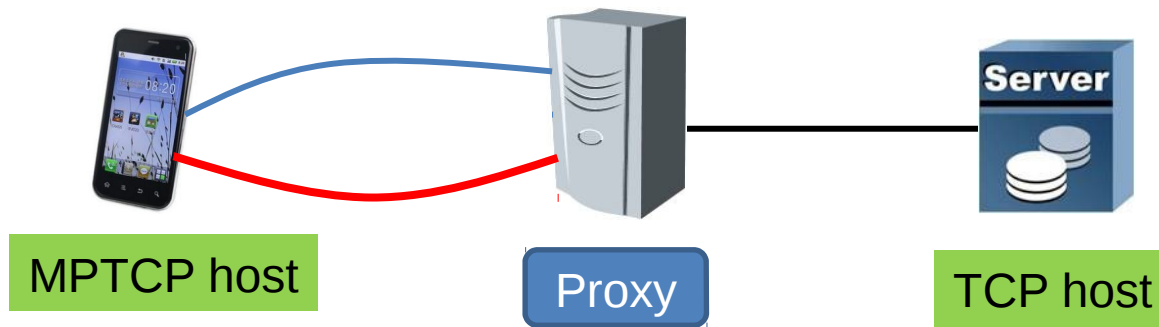# MPTCP Proxy

draft-wei-mptcp-proxy-mechanism-02

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Purpose of MPTCP proxy

- Support the use of MPTCP for communication peers in case not both of the peers are capable of MPTCP.
- Traffic aggregation
  - E.g. aggregate traffic to do security check or traffic optimization.
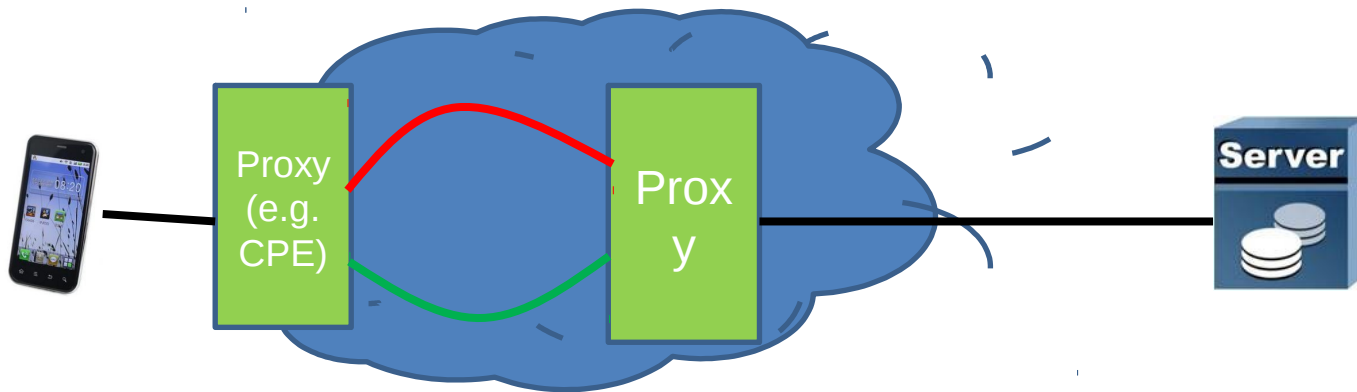
Basic Scenario

MPTCP host   Proxy   TCP host

Converting between MPTCP host and TCP host

Traffic Aggregation Scenario

MPTCP host

Enterprise Firewall

Internet
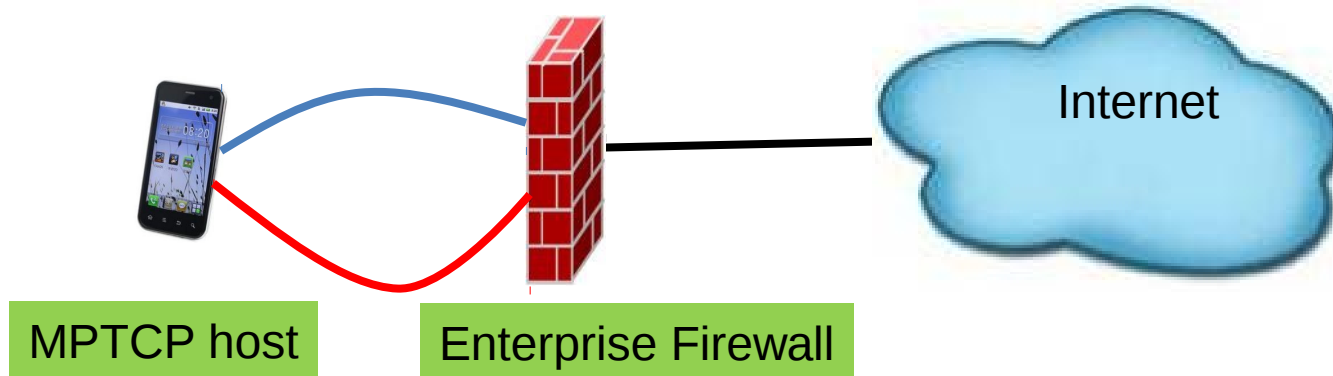
For example , enterprise firewall could disable MPTCP connection if it cannot access all the flows belonging to a session.

Multipathing Scenario

Proxy (e.g. CPE)

Proxy

Server

Multipathing plain TCP across a segment of network without any change to end hosts.

Proposes in draft-wei-mptcp-proxy-mechanism-02

- The draft focuses on basic scenario and traffic aggregation scenario.
- A new flag 'P' is defined to indicate the existence of proxy to end host.
- After end host receives 'P' flag, the following subflow will be established between the end host and proxy, instead of the end host and its communicating peer.

Next Steps

- Ready for call for adoption!

Questions?