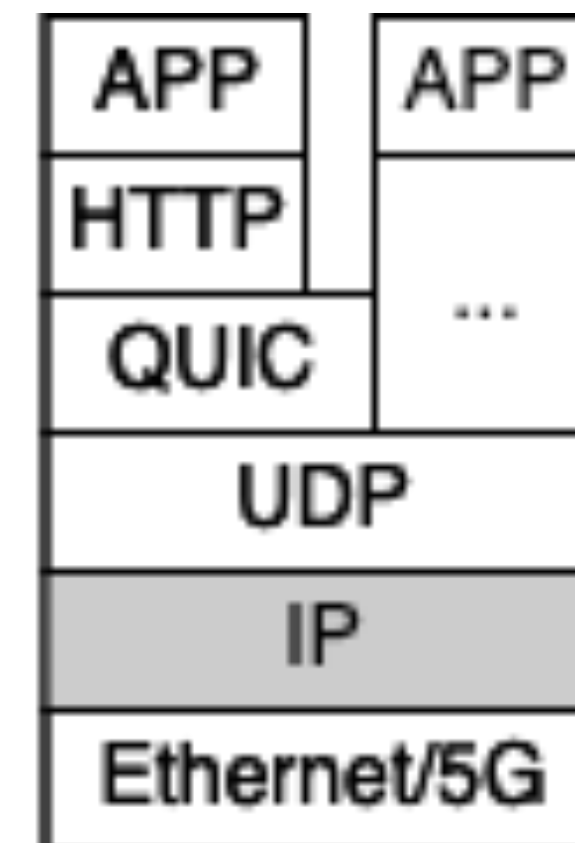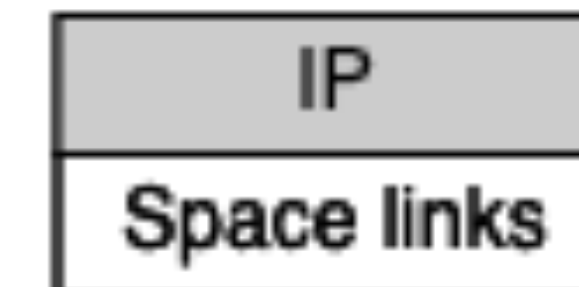# Deepspace IP
IETF-118 Side Meeting

Marc Blanchet
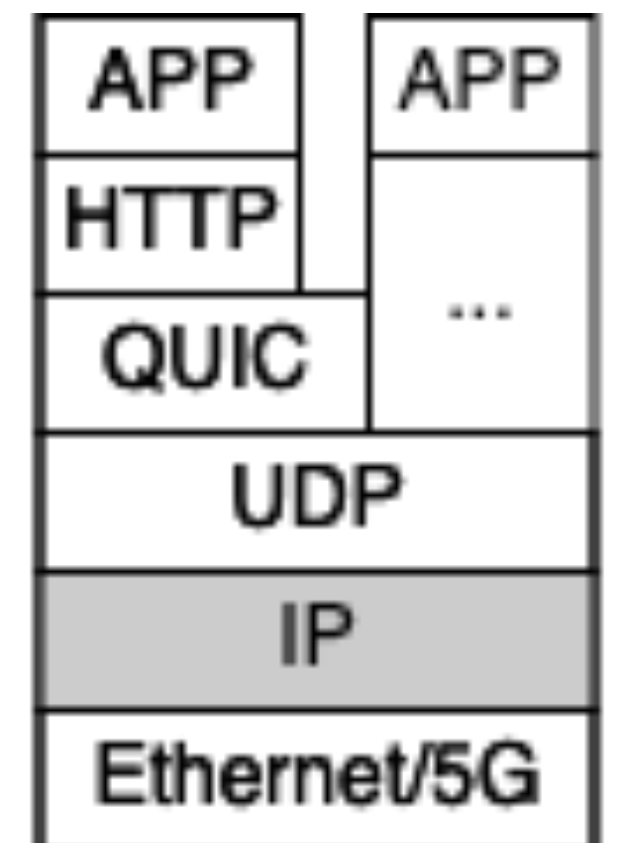<u>marc.blanchet@viagenie.ca</u>

Proposed Architecture in One Slide

- Target: use the IP protocol stack end to end.

  - draft-many-deepspace-ip-assessment

- Key items:

  - IP forwarding: need to store packets when routes/links are down

  - IP routing: static, « simple » or TVR/Contact plans.

  - QUIC: need a profile (modify timers, cc algo, …) (draft-huitema-quic-in-space)

    - UDP also

  - HTTP: no change, careful settings of some headers

  - Applications (and protocols): careful settings of timers

  - DNS: no change, BCP for proper deployment (draft-many-dnsop-dns-isolated-networks)

  - Network Management: RESTCONF/Yang

  - Security: QUIC, ACLs,…

Earth Internet

Deep space

Celestial body surface/orbit

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