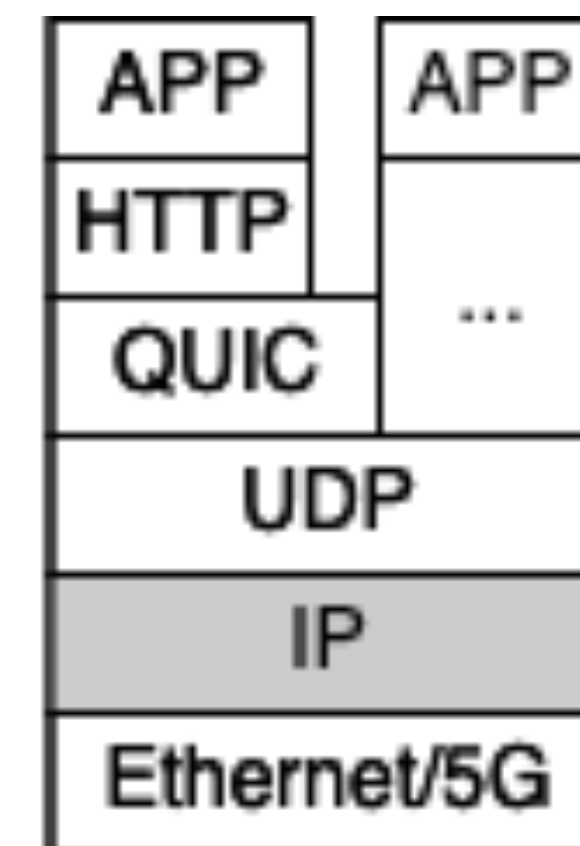
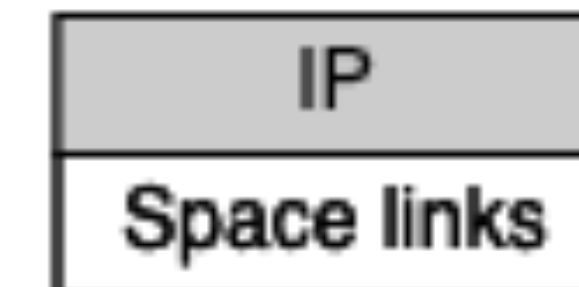


Proposed Architecture in One Slide

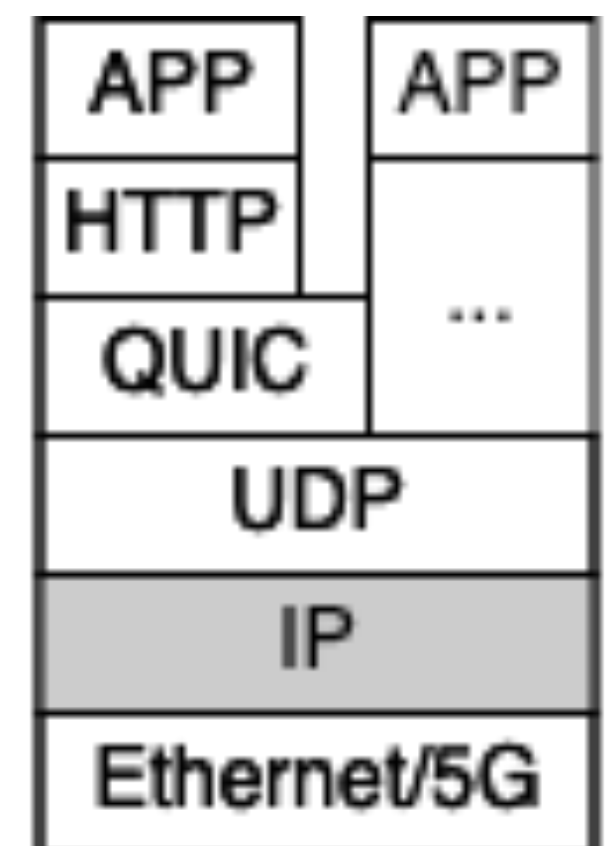
- Target: use the IP protocol stack end to end.
 - [draft-many-deepspace-ip-assessment](#)
- Key items:
 - IP forwarding: need to store packets when routes/links are down
 - IP routing: static, « simple » or TVR/Contact plans.
 - QUIC: need a profile (modify timers, cc algo, ...) ([draft-huitema-quic-in-space](#))
 - 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