Panel Session

Gorry Fairhurst
Colin Perkins
Dirk Kutscher

Some challenges by Gorry (5 minutes)

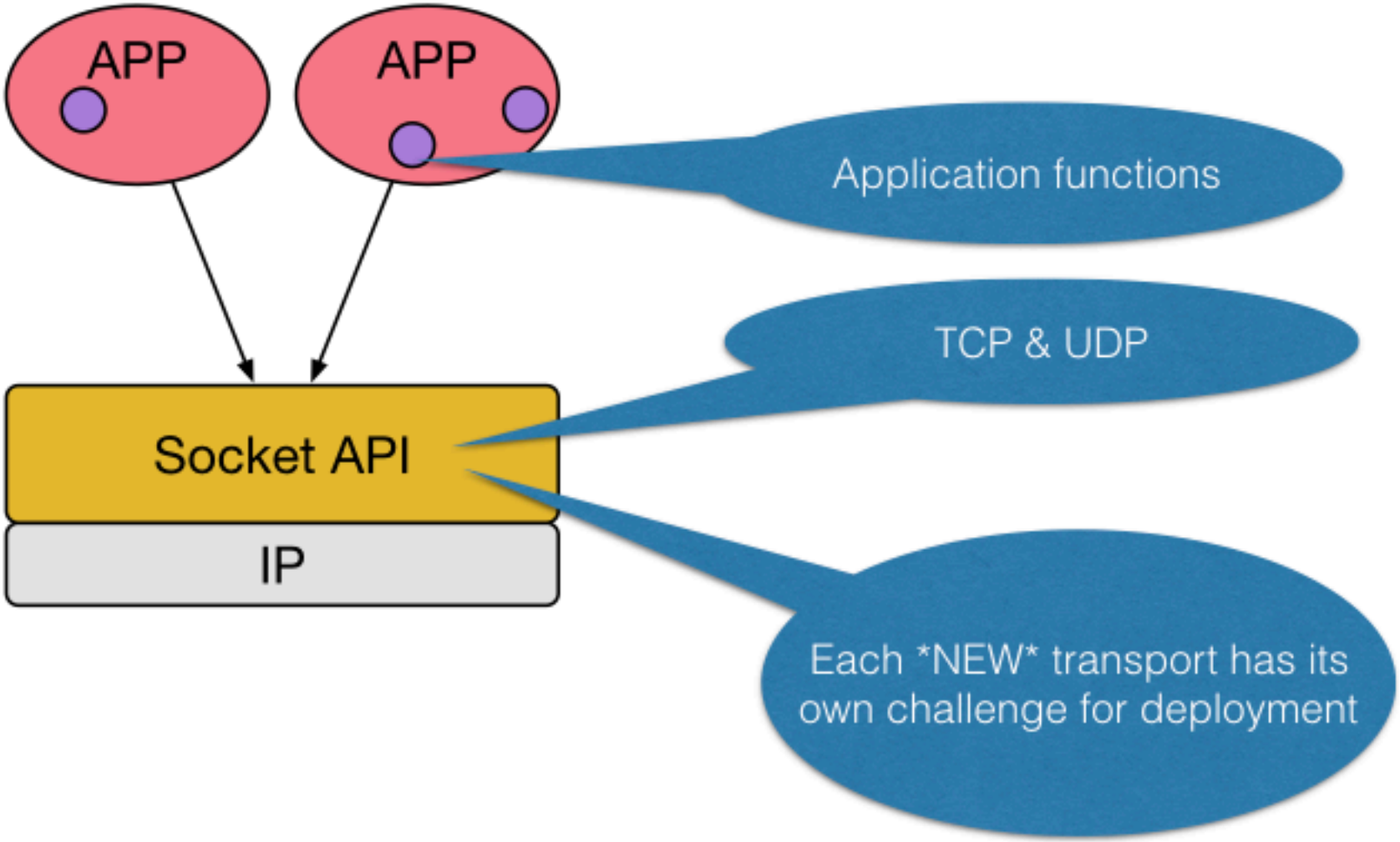
Position-presentation by Dirk (5 minutes)

Position-presentation by Colin (5 minutes)

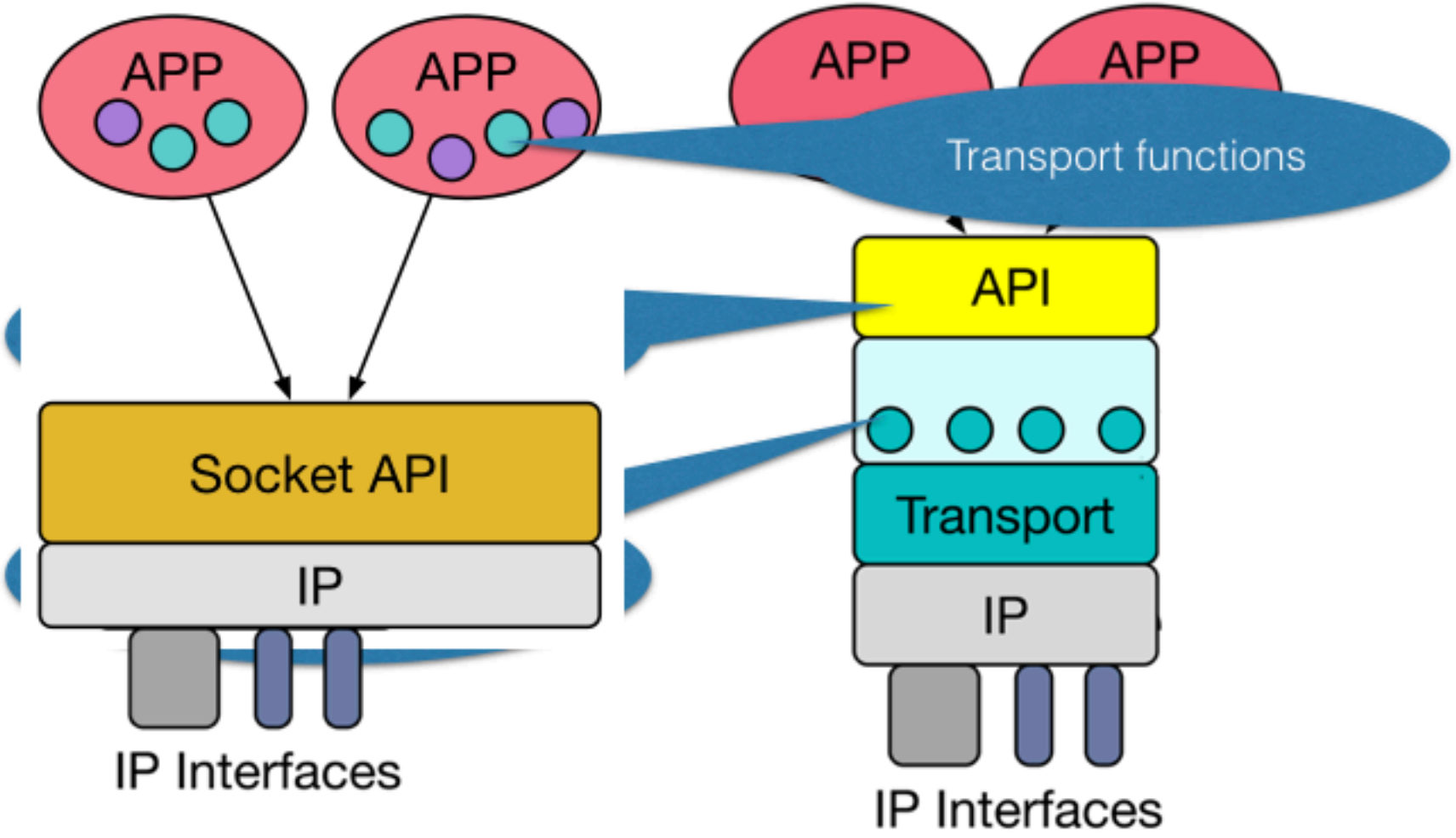
Discussion 30 minutes

Questions and answers 20 minutes

Invented 1983



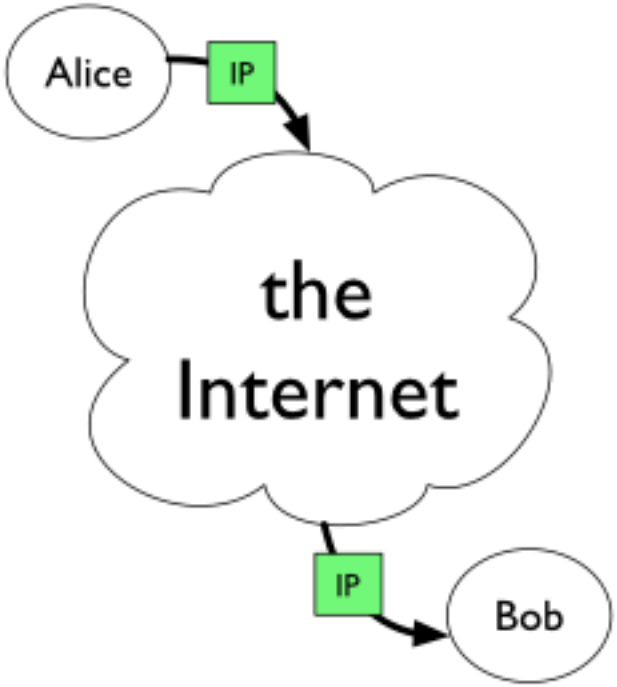
Apps find ways to get around problems…



Ah … but should ***every*** app need
to implement support for ***every new*** transport mechanism?

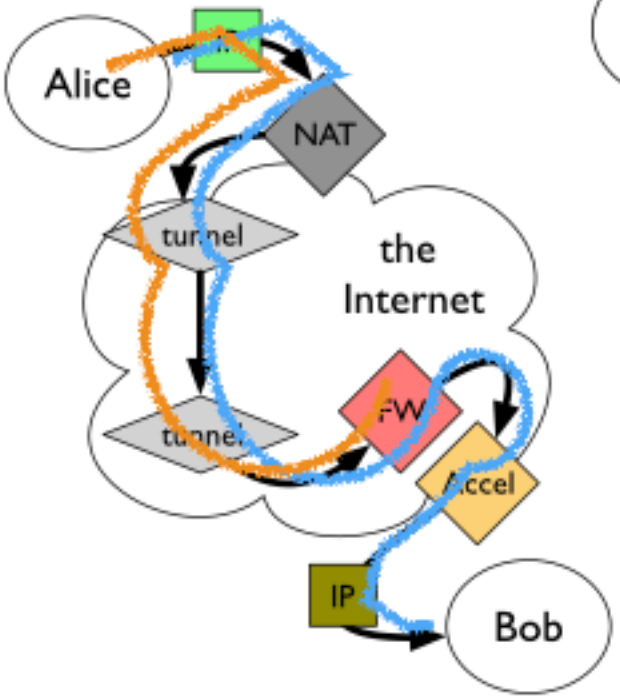
And… where is the boundary to ***user space***?

Evolution in a Middleboxed Reality



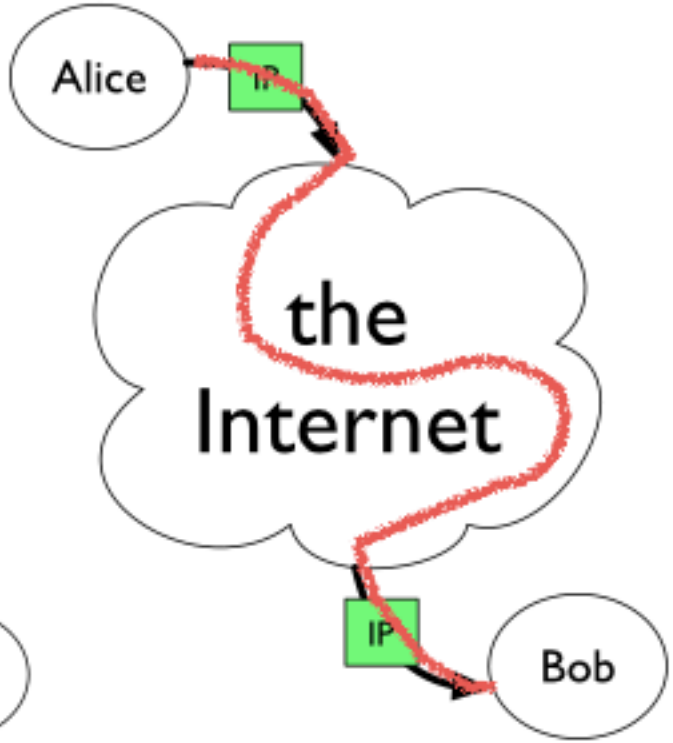
The end-to-end ideal

1983



Today's middleboxed reality

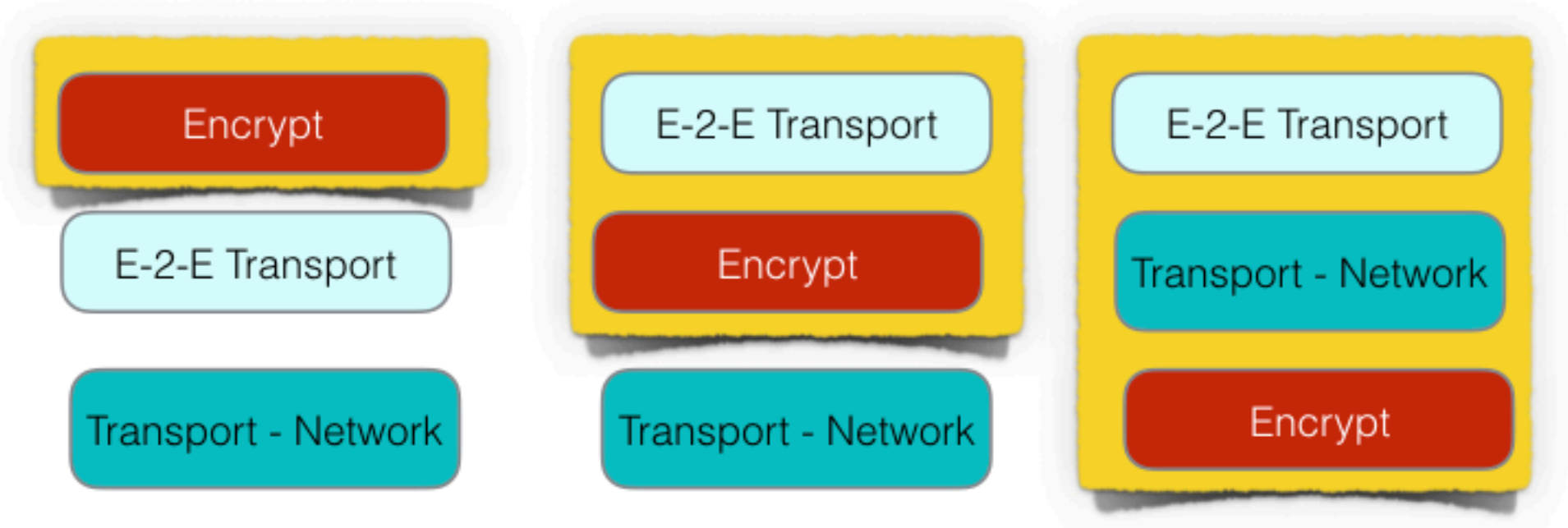
Let's race!



The end-to-end ideal

Let's encrypt!

What are the transport implications of privacy in a post-Snowdon era?

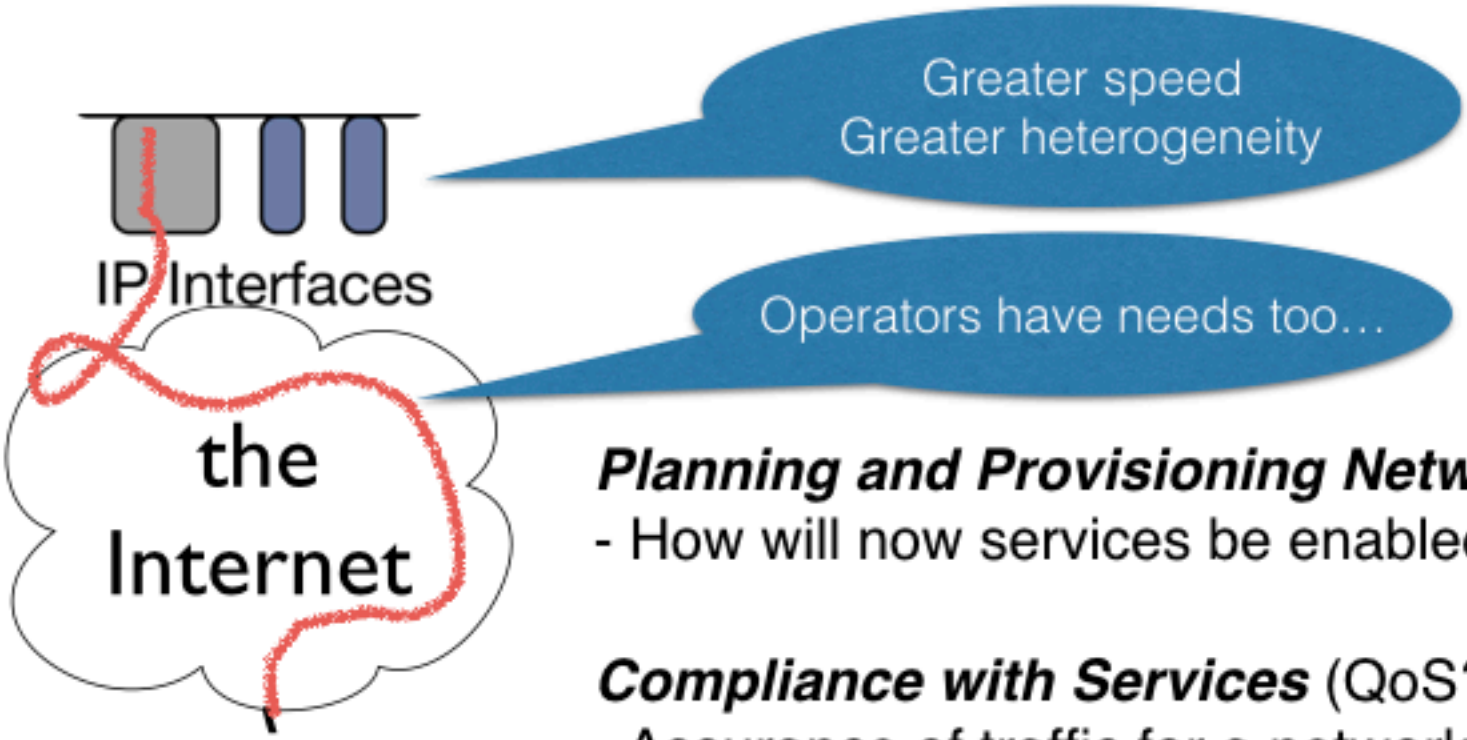


Stable network (specs)
Tools
Measurements
Optimisations
Operational Support

Use of encryption

User privacy
Flexible stacks
Evolving APIs
New Apps
Transport evolution

Tussle between Transport and Network



Planning and Provisioning Networks
- How will now services be enabled?

Compliance with Services (QoS?)
- Assurance of traffic for a network operator

Diagnosis and troubleshooting
- Encrypted traffic implies "don't touch", and a likely first response will be "can't help, no trouble found"

Research
- Who gets to measure, who gets to experiment?

Can evolvable transports result in interoperable solutions?

Some Questions

What are the current problems?

How are changes in usage and technology impacting transport requirements?

What are the impacts of evolution in the network technology on way the transport operates?

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