Informal Quiz 6

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❑ ❑ Video is different from data only because it requires larger bandwidth

❑ ❑ One reason TCP is not suitable for video is because it can't handle multicast

❑ ❑ RTP provides useful transport functions for multimedia applications, but the internet service enhancement is provided by RSVP, integrated services and differentiated services

❑ ❑ A delay guarantee can be provided by combining a leaky bucket at the edge, with weighted fair queueing at the routers

❑ ❑ RSVP is a reservation-based routing protocol

❑ ❑ Differentiated services would provide better-than-best-effort service (where $$ define QoS) in a scalable manner.

Informal Quiz 6 (contd)

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❑ ❑ Aggegatable global unicast addresses in IPv6 allow better routing because aggregation is based on topology defined by providers and not geographic or political boundaries

❑ ❑ Link local addresses, multicast and neighbor discovery are key components in IPv6 which allow plug-and-play.

❑ ❑ Flow classification (based on IP addresses and port numbers) cannot be done when the authentication header is used, but can be done when the payload is encapsulated (ESP is used).

❑ ❑ The key problem in IP for mobility is that the IP address is overloaded: it is used to denote an endpoint; it is also used to route the packet

❑ ❑ The scope of the multicast is not a part of the IPv6 address.

Informal Quiz 6: solutions

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