

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.

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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.

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Informal Quiz 6: solutions

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- ✓ Video is different from data only because it requires larger bandwidth
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Informal Quiz 6 solns (contd)

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- √ 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.

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