

Informal Quiz 6: IPv6, QoS

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- Given a constant set of resources, the bandwidth and delay allocations is a zero-sum game irrespective of the scheduling approaches chosen
- 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 network services are provided by RSVP, integrated services and differentiated services
- A delay guarantee can be provided by only using weighted fair queuing at the routers
- RSVP gives QoS routing capabilities
- Differentiated services would provide better-than-best-effort service 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
- Link local addresses, multicast and neighbor discovery are key components in IPv6 which allow plug-and-play.
- Flow classification cannot be done when the authentication header is used.
- The scoping of multicast transmission is not a part of the IPv6 address.
- Neighbor discovery captures IGMP functionality
- The H ratio is usually 0.3 when networks expand their address spaces

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