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Assignment 9

Questions:

1. Streaming video systems can be classified into three categories. Name and briefly describe each of these categories.

* ***UDP Streaming - UDP streaming is a way of streaming that allows for receiving packets unreliably. It’s a connectionless way of streaming and it’s allows the client and server to maintain separate control connections. Used in open source.***
* ***HTTP streaming - HTTP streaming is live streaming. You access a link from a webpage and send a GET request from your browser and it will allow you to access a live stream video.***
* ***Adaptive HTTP Streaming - An a adaptive bitrate technique for streaming that allows for high quality streaming over HTTP browser.***

1. List three disadvantages of UDP streaming

* ***Since you’re not always knowledgeable about the available bandwidth between the client and server, UDP will fail with continuous playout.***
* ***A media control center such as the real time streaming protocol is needed.***
* ***A lot of firewalls are programmed for blocking UDP traffic because it’s unsecure and unreliable which prevents people from accessing UDP videos.***

1. What is a packet that is received after its scheduled playout time considered lost?

* ***They are considered lost because they get discarded since they can’t be played.***

1. How are different RTP streams in different sessions identified by a receiver? How are different streams from with the same session identified?

* ***Different RTP streams are identified by a receiver through different multicast addresses.***
* ***They are identified using the SSRC field.***

1. What is the role of a SIP registrar? How is the role of SIP registrar different from that of a home agent in Mobile IP?

* ***SIP registrar is meant to keep track of the users and their IP addresses.***
* ***SIP registrar keeps track of the users that are in their domain and sends an INVITE message to the current IP. This is similar to being a name server in DNS.***