On going projects related to multicast at TU Berlin

IETF114 - MBONED
Max Franke
Add IPv6 support to VLC AMT implementation
Nicolas Zunker

• Goal is to have both tunneling and native support
  • So IPv4 in IPv6, IPv6 in IPv4, IPv6 in IPv6
• Should be finished in the coming weeks
  • We will see about pushing it upstream to VLC afterwards
• Will be soon looking for real world deployment
  • If someone has an IPv6 capable relay deployed/ could deploy one please let me know
Graceful failover for AMT
Martin Baschin

• Add L-Flag to AMT relays to enable graceful failover
• Relay sets L-Flag if it knows it will soon be shutdown
• Allows Gateways to start discovery for a new relay before shutdown to prevent interruptions
• Bachelor thesis, implementation part should be done in a month or so
  • Will include measurements on how well this performs
Multicast menu update
Todor Moskov

• As shown by Lauren

• Interesting new research question: What is a good ranking algorithm for multicast streams?
  • We don’t have concurrent viewership like e.g. Twitch
  • Streams might be long lived so likes not necessarily a good indicator of current relevance
  • Currently using cache replacement policy
Other topics for future projects

• Apt-get distribution with multicast
More ideas/ topics?

• A lot of student applications for theses
• If you have any ideas for concrete topics similar in scope to the ones shown send me an email (mfranke@inet.tu-berlin.de)