User Guide I-D

• This isn’t yet the right document (don’t read it!)
• We want it to be:
  • Useful to implementors (guidance on how to implement)
  • Useful to users (guidance on how to use)
• It should not be:
  • About how to choose a CCID
  • About relating applications to CCIDs
Ideas for inclusion

- DCCP interactions with the network
- Firewalls, IPsec, etc
- DCCP feature negotiation
- DCCP Service Code Selection
- The DCCP API
- ... More (what is missing????)
Service Codes

- Why do we have Service Codes?
- Identifies the application-level service of the client
- Middleboxes (firewalls) can use Service Codes to identify applications running on a nonstandard port
  - But, possibility of cheating...
- What do end hosts do if SC and Port differ?
SC

- 0 (unallocated) [RFC4340]
- 1145656131 ("DISC") [RFC4340]
- 4294967295 (invalid) [RFC4340]
- Private [RFC4340]
- Need to encourage use rather than a value of '0'
  - RTP (soon)
- Which takes priority? port or SC?
- We need to avoid “proliferation” of variants!
• Understand what to do for DTLS/DCCP.
• Three options are:
  • Common SC for each type of DTLS content
  • A SC that indicates DTLS
  • SC to show each type of DTLS content
  • i.e. Does DTLS, RTP, etc, get one or many codes?
Taking this forward

- DCCP interactions with the network
- DCCP feature negotiation
- DCCP Service Code Selection
- The DCCP API

- We need authors, comments, and experience