

Guidelines for Internet CC draft-fairhurst-tsvwg-cc-01

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Overview

- The IETF has said much about Congestion Control (CC).
- I decided to write ~4 page document on the core things that would encourage a CC to "play well"
- The RFCs already say this stuff...
- Well.... , and it took more than 4 pages!

Draft Revision

- -00 Initial draft
 - Consumed 26 key RFCs looking for wisdom - it was there but scatered.
- -01 More coherent
- -02 to Fix some annoying typos

Section 3:

Principles of Congestion Control

- There are a diversity of Path Characteristics
- Flow multiplexing and congestion
- Avoiding congestion collapse

Section 4:

Guidelines of Performing CC

- Connection Initialisation (“RTO”, “IW”)
- Using Path Capacity (“CC”, “Bursts”)
- Timers and Retransmission
- Responding to (potential) Congestion (congestion, ECN)
- Using More Capacity (“Slow-start”, etc)
- Network Signals (Trust)
- Protection of Protocol Mechanisms (“on path”, “off path”)

Questions to WG



- Will / has anyone read this?
- Does anyone care?
 - Who will help me? ... or should I spend my time otherwise?