

Path Aware Networking: A Bestiary of Roads Not Taken

(draft-dawkins-panrg-what-not-to-do-00)

Spencer Dawkins

From PANRG first meeting at IETF 99

- Oliver Bonaventure lead-off presentation
 - We have a lot of experience with path awareness over the last decade
 - We have very little experience with getting path awareness **deployed**
- What we decided in the room
 - This stuff is mostly research, so propose a research group (done)
 - We need to write down what we've learned (and Spencer finally started)

draft-dawkins-panrg-what-not-to-do-00 is only a start

- -00 draft submitted
- Includes rules of engagement
 - We don't need to describe every idea, but we need to learn every lesson
 - Please contribute subsections from your own experience
 - Please send github pull requests to do that
 - <https://github.com/panrg/draft-dawkins-panrg-what-not-to-do>
 - Requested format for contributions is in Section 3 of the draft
 - Please send comments to the mailing list
- Spencer described his own ... learning experience (TRIGTRAN)
 - There is no shame in describing your learning experience!
 - This stuff was research, even if we were trying to engineer it

What Spencer's contribution looked like (-00 sec 4.2)

- A short description of 2002-era TCP timer behavior problems
- A short description of what was tried to improve things
- A short description of why that wasn't deployed
- Lessons learned (summary)
 - Can't add complexity if you don't take complexity away
 - Trusting unauthenticated triggers to slow down is fine. Not to speed up!
 - If you need support in the network, operators will want to bill for that