

Fernando Gont (UTN/FRH)

(presented by Pekka Savola)

IETF 62, Minneapolis, MN, USA March 10, 2005

Overview

- There are a number of scenarios that can lead to long delays between connection establishment attempts.
- Changing TCP's reaction to soft errors (for connections in non-synchronized states) can help to avoid these delays.

Current deployment

Proposed fix has been implemented by, at least:

- Linux (for more than eight years)
- NetBSD
- Symbian

More conservative approaches:

- FreeBSD
- Microsoft Windows



Results from mailing-list discussion

No clear path forward to **standardize** the change.

Possible approaches include:

- Support the change, and provide a systemwide toggle. No consensus on the default behaviour.
- Socket option. No consensus on the default behaviour, either.

However, there seems to be consensus to document the mod in a neutral way

Possible paths forward

- Document the behaviour (noting that it violates RFC 1122) and the tradeoffs in a reasonably neutral way; Informational RFC.
- Propose the change, with socket option defaulting to off; Experimental/PS RFC.

Next steps

* Take as WG document to publish as an Informational RFC?