Issues with IP Address Sharing
draft-ietf-intarea-shared-addressing-issues-01

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Purpose of the document

- Lots of documents specifying address sharing solutions

  – NAT444, NAT64, DS-Lite, etc.

- Capture the issues that address sharing (in any form) creates, document them in one place

- Not intended to get into very detailed solution-specific discussions

Orientation

- Adopted as WG work item after IETF77

- Re-issued as draft-ietf-intarea…

- Revised to take account of comments made during IETF77 and on the list

Main changes I

- Augmented table is §3 to indicate whether identified issues also apply to NAT44

- Added a section taking a content provider as an example of a 3rd-party and specifically identifying issues that apply

- Added text to clarify that whether we're talking about DS-LITE, NAT64 or CGN isn't especially important – it's the view from the outside that matters

- Additional text added to §11 Traceability

Main changes II

- Added ref and pointer to [I-D.thaler-port-restricted-ip-issues] for issues specific to A+P proposals
- Added point about address sharing limiting 'Internet' to TCP/UDP transports
- NAT Traversal techniques section filled out with text from Dan Wing (thanks Dan!)
- Added text to §16 IPv6 Transition Issues to highlight need for shared addresses to be drawn from space designated as such.
- Other minor editorial fixes and improvements

Next steps

- Basic shape and content has been more or less stable for a while now

- Is this ready for WGLC?