ALTO VPN Service
draft-scharf-alto-vpn-service-01

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draft-scharf-alto-vpn-service-01 Requirements and Gap Analysis

- Motivation/use cases: https://tools.ietf.org/agenda/86/slides/slides-86-alto-6.pdf

- Requirements vs. draft-ietf-alto-protocol:

  - REQ 1: Minimum changes to ALTO ✔

  - REQ 2: No exposure of network service provider internal addressing ✔

  - REQ 3: Use of PID concept ✔

  - REQ 4: Different VPN types, not L3VPNs only ✘ (no IP addresses!)

  - REQ 5: IP addresses not the only form of network identification ✘ (no IP addresses!)

  - REQ 6: IP address are not globally routable or unique ?

  - REQ 7: Attributes for VPN sites, e. g., geographic coordinates ✘ (draft-roome-alto-pid-properties?)

  - REQ 8: ALTO filters for attributes, e. g., geographic coordinates ✘ (extension of draft-roome-alto-pid-properties?)

  - REQ 9: PID selection based on geographic coordinates ✘ (but in charter)

  - REQ 10: Extension/shrinking of VPN resources ✘ (draft-roome-alto-pid-properties?)

  - REQ 11: Exposure only to authorized users of the VPN ? (HTTPS might be sufficient)