## sa46t and sa46t-as

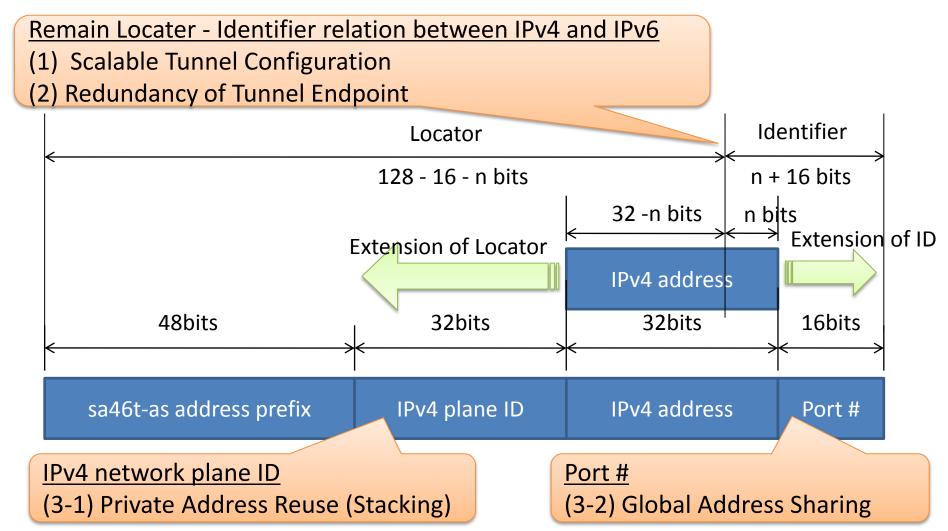
Stateless Automatic IPv4 over IPv6 Tunneling sa46t with IPv4 Address Sharing draft-matsuhira-sa46t-spec-01.txt draft-matsuhira-sa46t-as-00.txt

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## Problem statement

- (1) Tunnel Configuration scalability
  - existing: N(N-1) configuration needed (square)
  - sa46t: only N configuration enough (linear)
- (2) Redundancy of tunnel endpoint
  - existing: no redundancy
  - sa46t: can provide redundancy
- (3) Solution for smooth transition from IPv4 address running out stage to IPv6 deployment
  - existing: no support
  - sa46t: IPv4 private address reuse / stacking in global space
  - sa46t-as: IPv4 global address sharing

## sa46t-as architecture



sa46t is implemented, and tested at WIDE camp in this September, work fine Tested with 275 clients, in 4.5 days, and >230 million IPv4 packet encaped by sa46t