

# Forwarding Protocol 41 in NAT Boxes

## <draft-palet-v6ops-proto41-nat-03.txt>

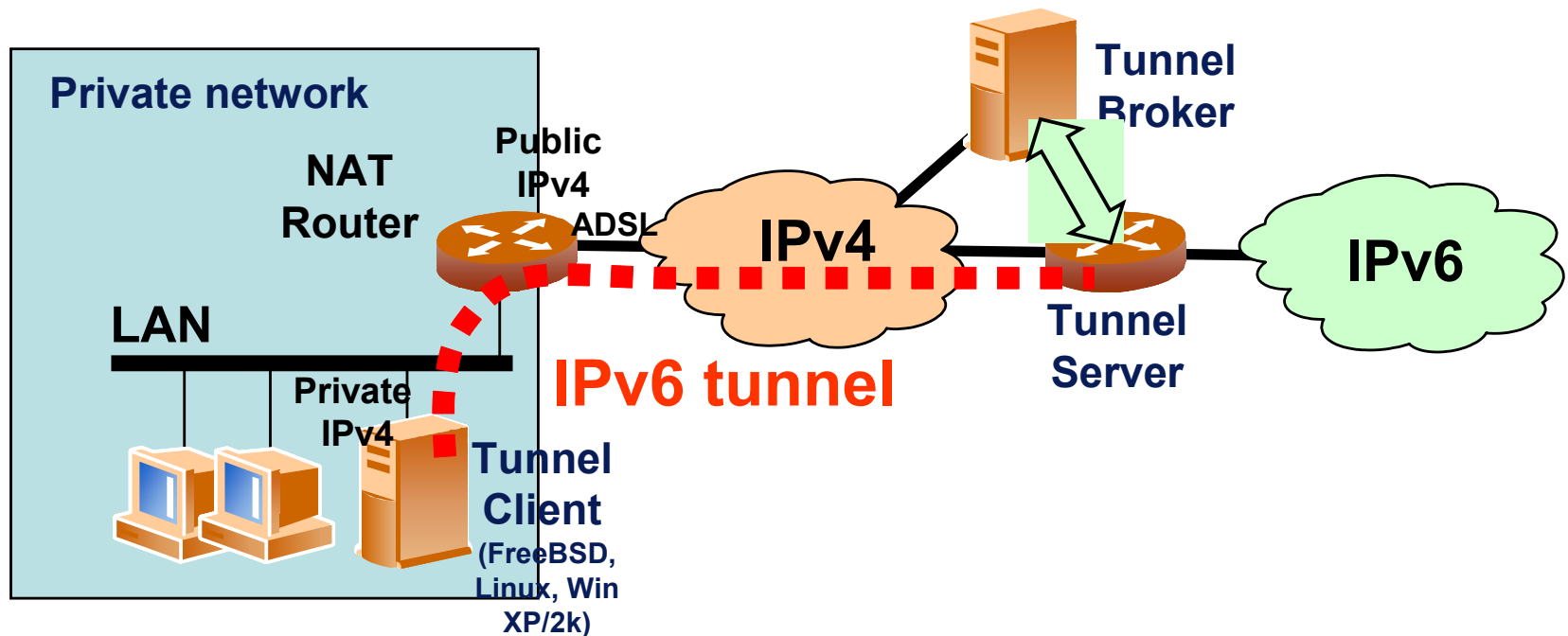
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# Overview

- This is NOT a new transition mechanism (is a guideline for operation)
- Some NAT boxes allow IPv6 tunnels from systems in the private LAN



# Changes from -00.txt

- Emphasized:
  - Use when native IPv6 nor 6to4 are available
- Several sections almost completely rewritten:
  - Abstract
  - Intro
  - Applicability
- Simplified/clarified description of NAT types
- Incorporated comments from WG

# How it works?

- Address translations performed by NAT are session based, for incoming and outgoing packets of that session
- IPv6 over IPv4 tunnels are identified as protocol 41
- Our “session”:
  - Source Address + Target Address + proto 41

# Applicability

- Clarified how it works with both types of NATs
- It can be used with configured tunnels or automatic procedures

# NAT and TB considerations

- Indicative figures from on-going survey
- Can coexist with 6to4 (upgraded routers, mobiles users, ...)

# Security Considerations

- Same as indicated in:
  - draft-savola-v6ops-security-overview-00

# Next steps

- Further feedback ?
- Continue the survey