

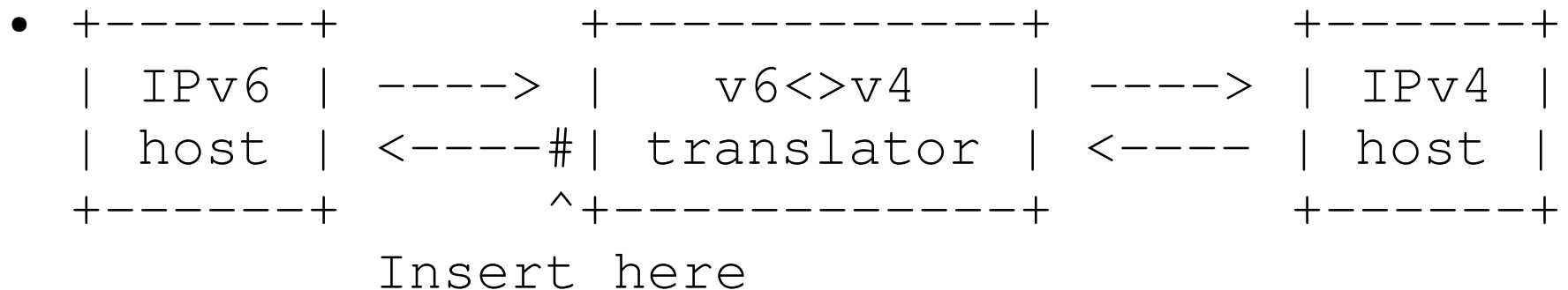
draft-denis-behave-v4v6exthdr-00

**IETF#73 Minneapolis
BEHAVE working group
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Principle

- Translating v4 to v6 (whatever the mechanism)...
- Insert IPv4 mapping infos into IPv6 extension header



- Parsing-optional destination header
- Includes “local” port and IP, remote IP
- Also indication that there is translation at all!

Open issues (1/4)

- Extension header usage
 - Destination header, or
 - Generic IPv6 Extension Header
(draft-krishna-ipv6-exthdr-00)
- Format alignment currently broken

Open issues (2/4)

- Nested NATs support: NAT64 behind NAT44?
 - IPv4 option: likely filtering problems?
 - Cannot handle legacy NATs anyway
 - **Usually** detectable failure case:
private local address and public remote address

Open issues (3/4)

- TCP: header inserted for SYN and SYN/ACK.
- What about UDP (and UDP-Lite)?
 - Always (unless MTU limit)
 - First few packets (only for stateful translation)

Open issues (4/4)

- Go forward?
- If so, scope?
 - Experimental, or
 - Standard tracks
- Adding UNSAF considerations