# Stateless IPv4 over IPv6 in 5 minutes

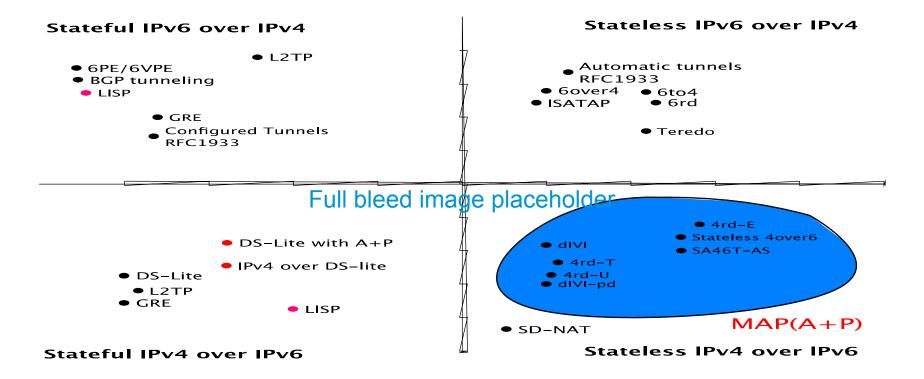
Ole Trøan, ot@cisco.com

IPv6 mercenary

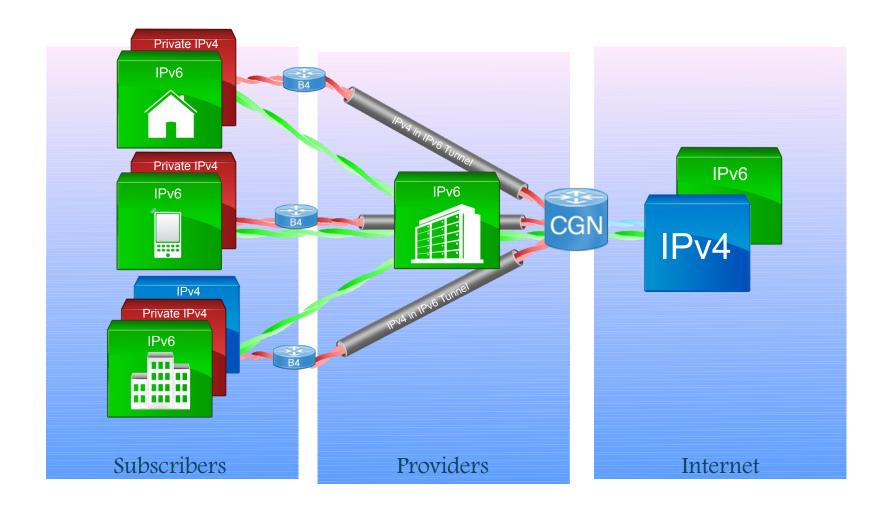
2011-11-01

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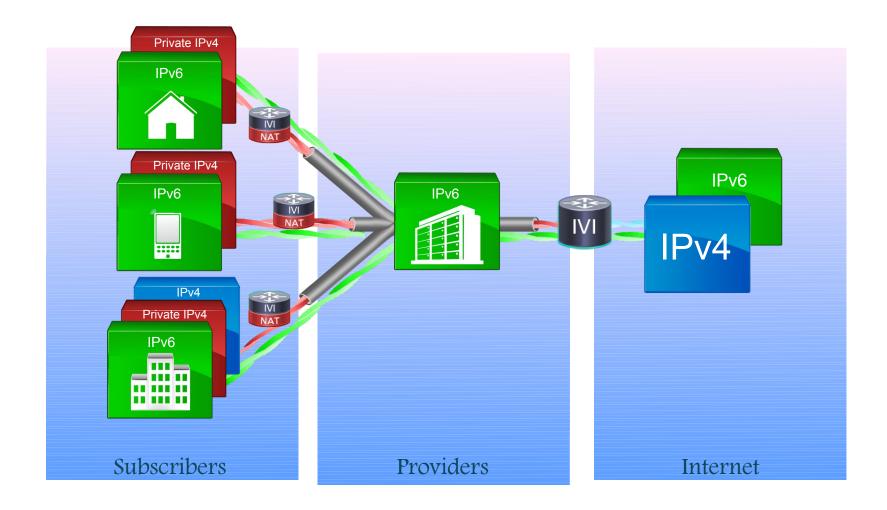
Cisco Confidential



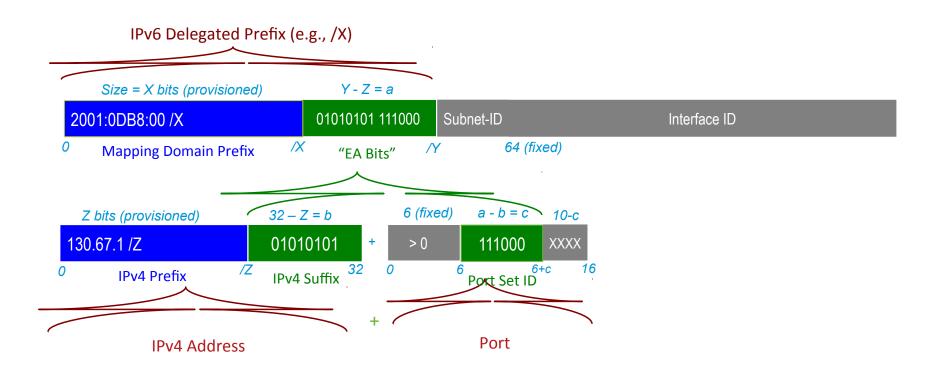
# Dual Stack Lite (DS-Lite)



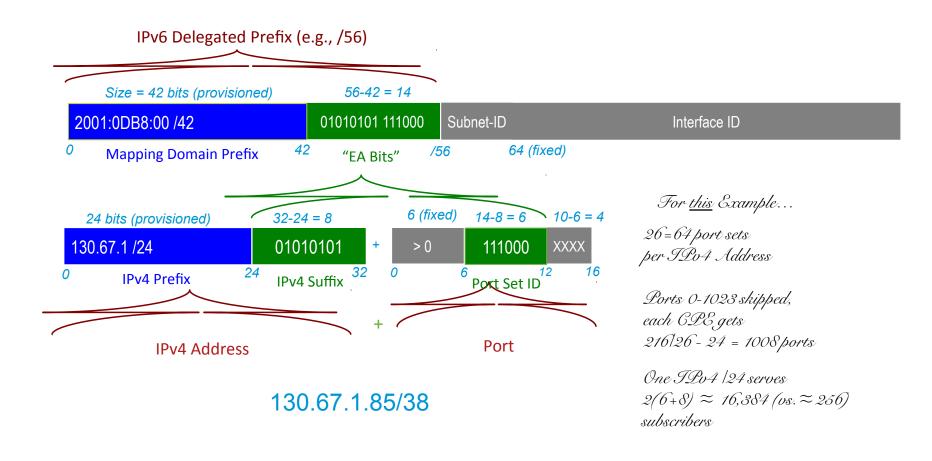
# IPv6 Residual (alt)



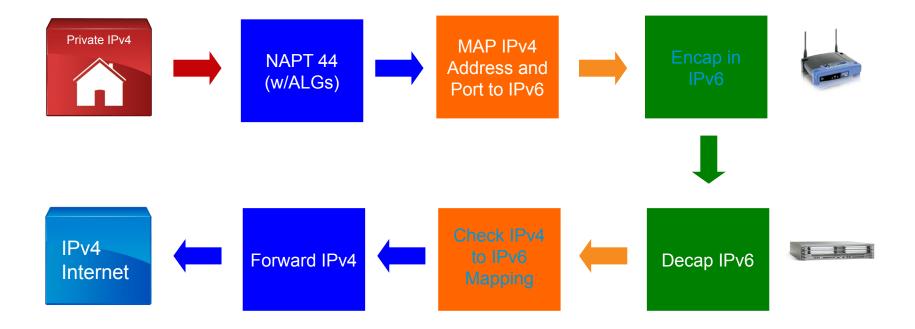
## IPv6 → IPv4 + Port Mapping



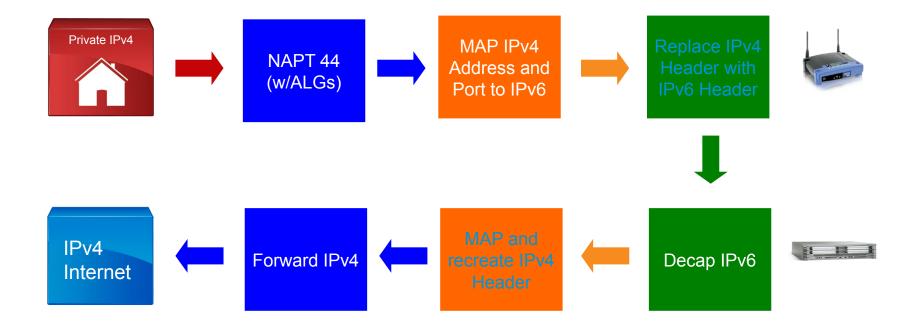
### IPv6 → IPv4 + Port Mapping



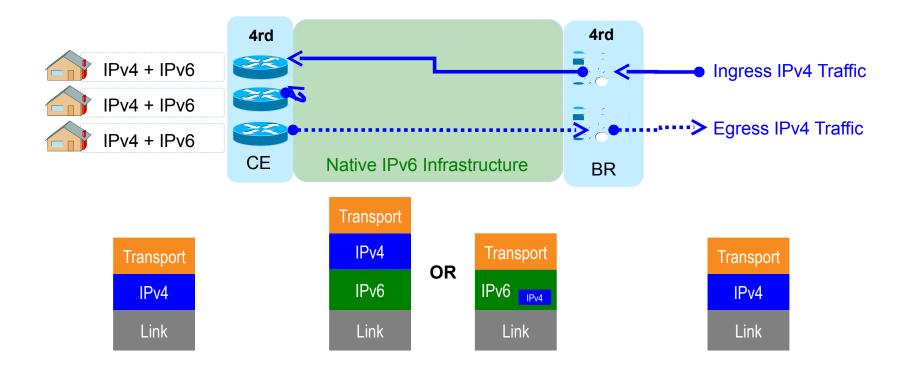
# **Encapsulation Forwarding Architecture**



### Translation Forwarding Architecture



# Encapsulation or Translation – Boils down to 20 bytes



#### Please

Readhttp

://tools.ietf.org/html/draft-mdt-softwire-mapping-address-and-port

Come talk to me at the bar!

Ask Questions?