

# Gateway-Initiated 4over6 Deployment

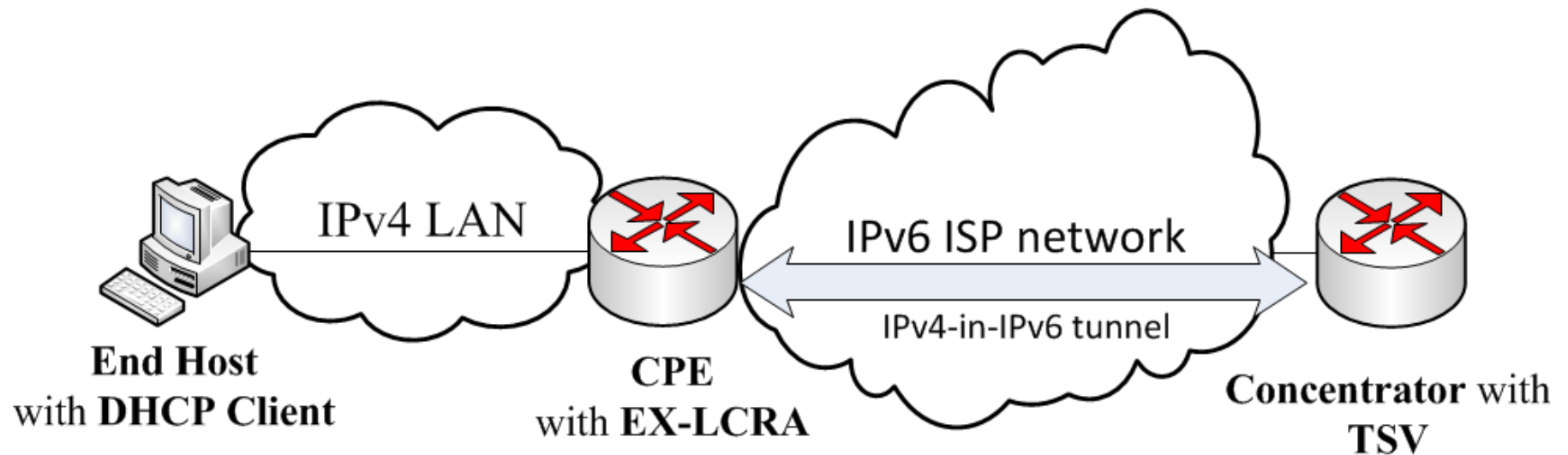
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IETF 86, Orlando, Mar. 2013

# Motivation

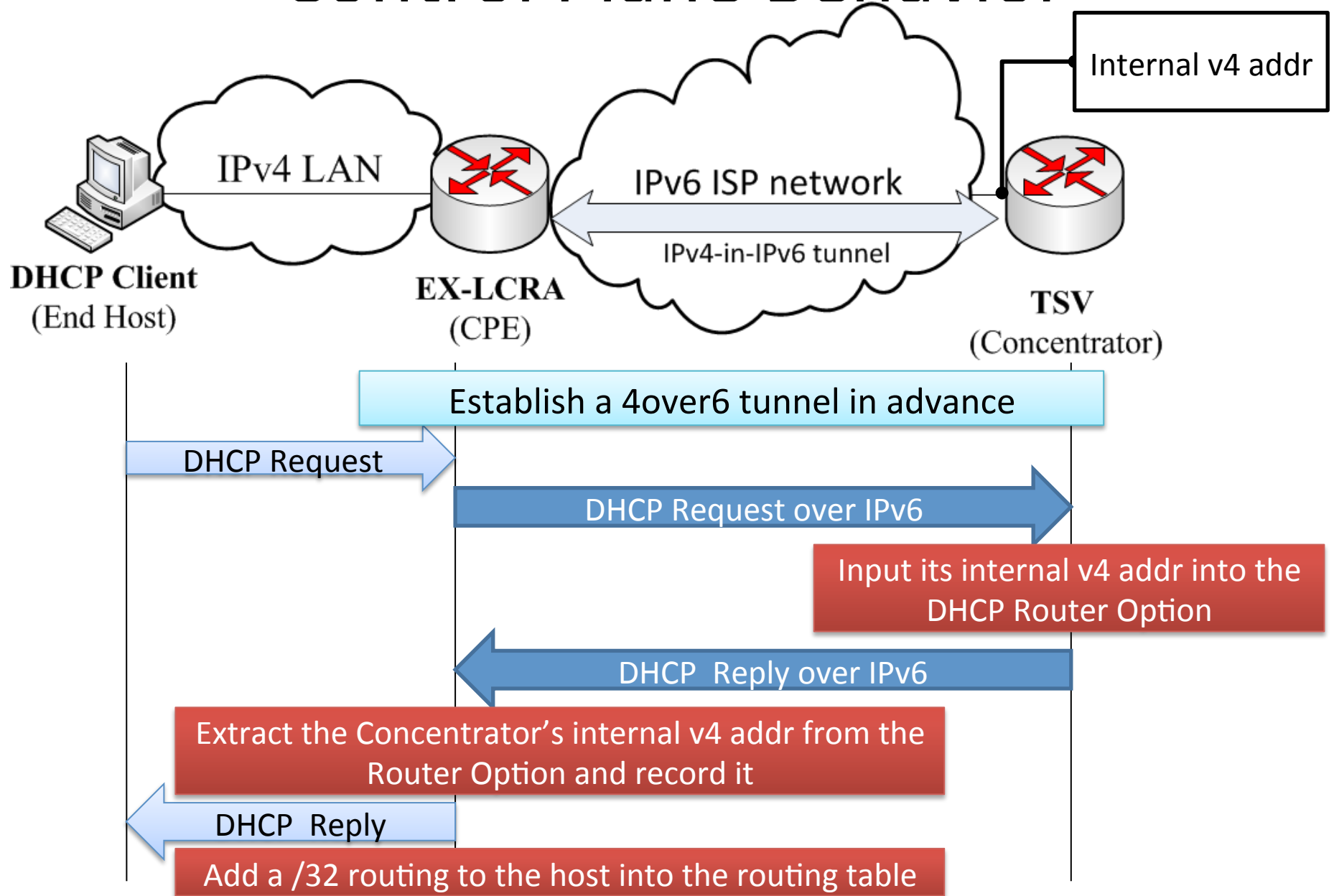
- Host behind the CPE may want to perform server function in Public/Lightweight 4over6 scenario
- Provision public IPv4 addresses to hosts behind 4over6 CPEs
- Carry out no modifications on DHCP clients of the hosts

# GI-4over6 Architecture

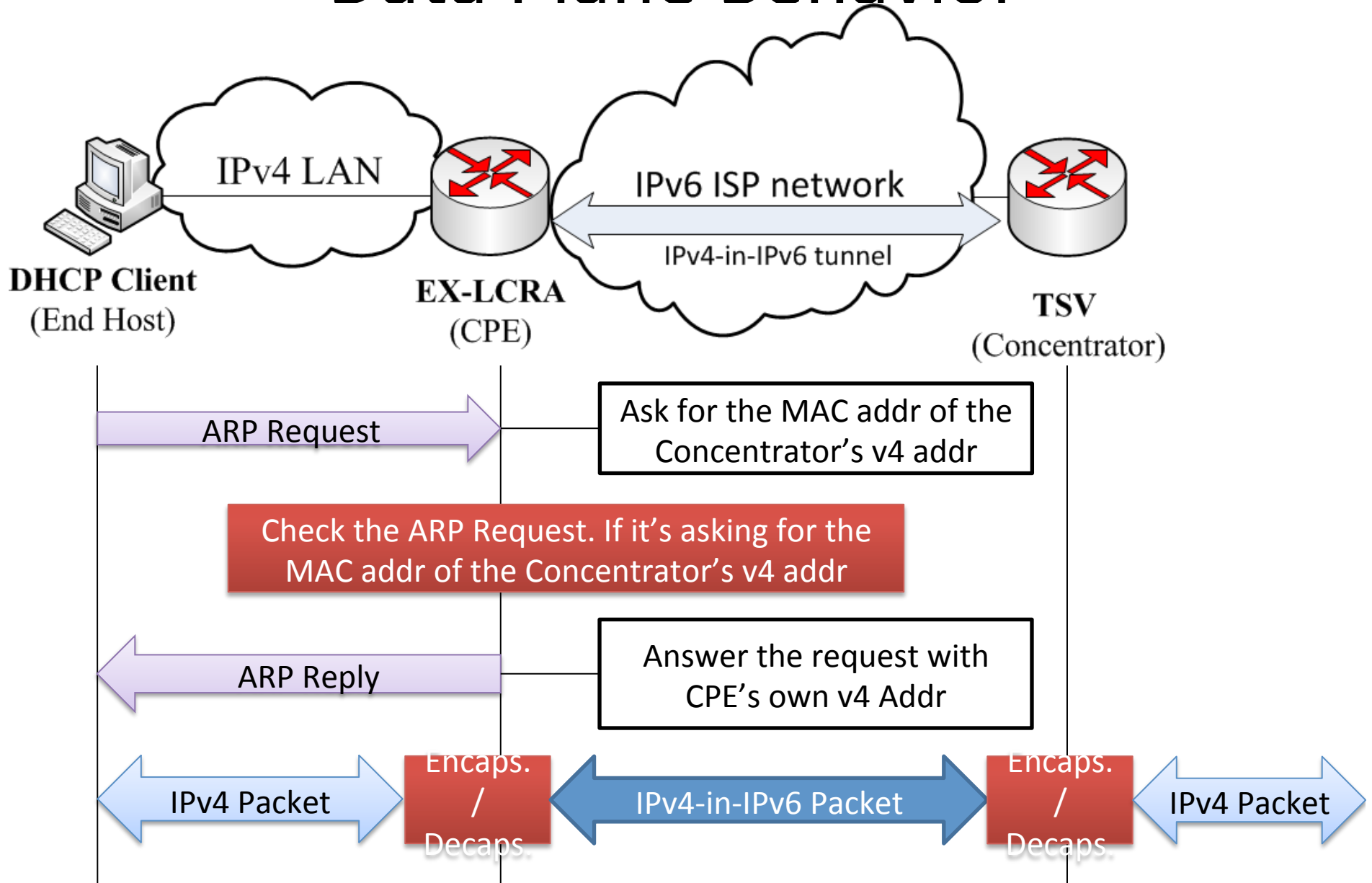


- Major Extensions to the Original Public 4over6 Arch.
  - Extend the original function of LCRA (EX-LCRA)
  - Extend the original function of 4over6 CE (4over6 Gateway)

# Control Plane Behavior



# Data Plane Behavior



# Ask for comments

- Your comments are welcome

# Backup

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# Relative Consideration

- There should be some ways to configure 4over6 Gateway by remote DHCP servers or local user
  - 4over6 GW get configuration information from the server through DHCP communication
  - By default 4over6 GW allocates private IP to hosts (as original 4over6 CPE do), then it could be configured in a web-based way to act as described above