


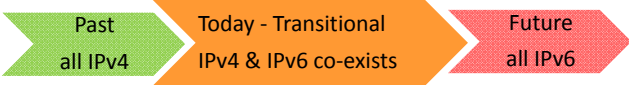


# IPv4 to IPv6 Transition Belgacom

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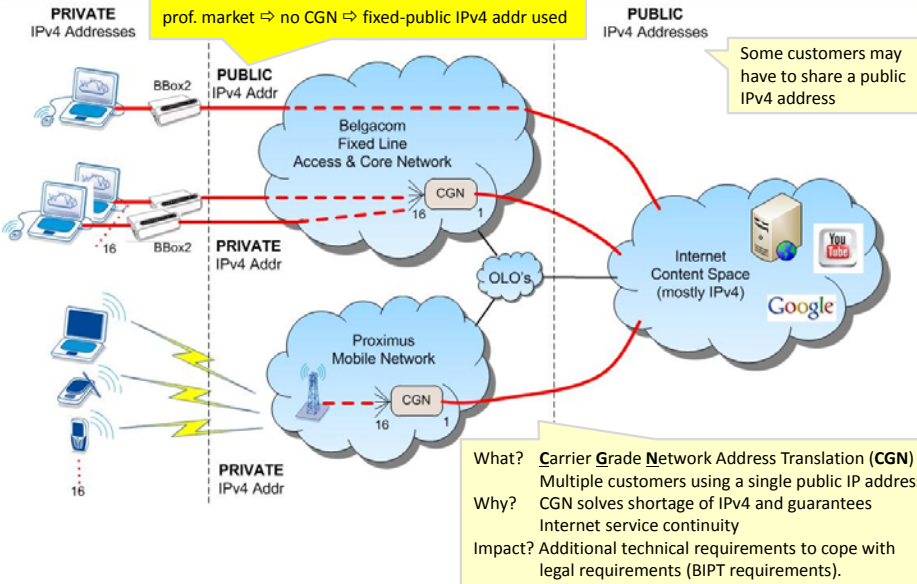
## IPv4 to IPv6 Transition Setting the priorities



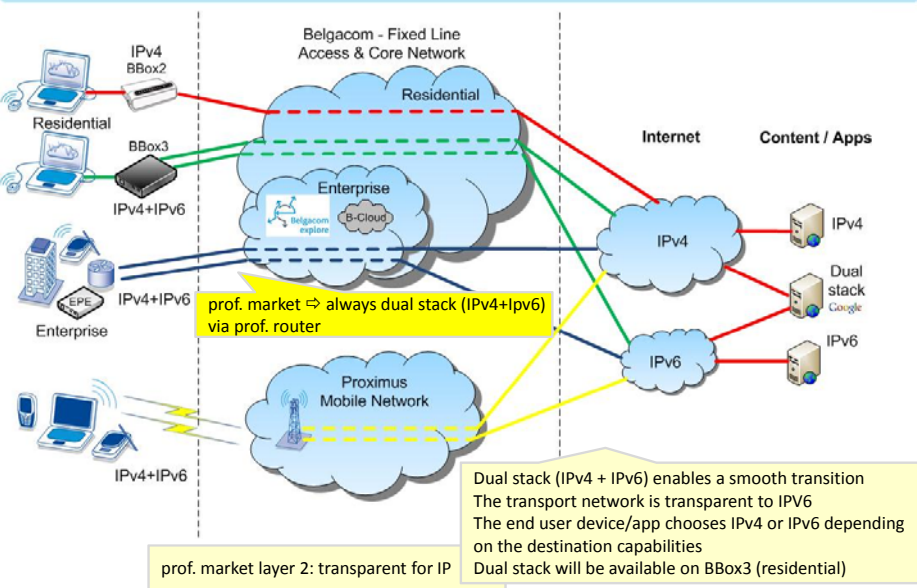
To sustain the explosive Internet growth, we must do two key things :

- ① **Maintain IPv4 connectivity during transition period**
  - Implement IPv4 address sharing techniques (CGN) to extend IPv4 lifetime
- ② **Introduce the new Internet IPv6** (accepted industry direction)
  - Belgacom’s approach for a smooth Internet transition is based on the **dual stack** solution, allowing both IPv4 and IPv6 addresses to **co-exist for several years**
  - Customers will still need IPv4 for remaining IPv4-only devices in their home environment and to access any IPv4-only content & applications
  - ⇒ We can’t just focus on IPv6 introduction, moving the entire IPv4 ecosystem to IPv6 will take many years

## Step 1 : Maintaining IPv4 connectivity Address sharing & translation (CGN)



## Step 2 : Introduction of IPv6 Dual-stack transition



# IPv4 to IPv6 Transition Actions at Belgacom



To guarantee IPv4 Internet business continuity & to be ready for the new IPv6 Internet, an **IPv6 Program** has been setup to cover :

