IPv6
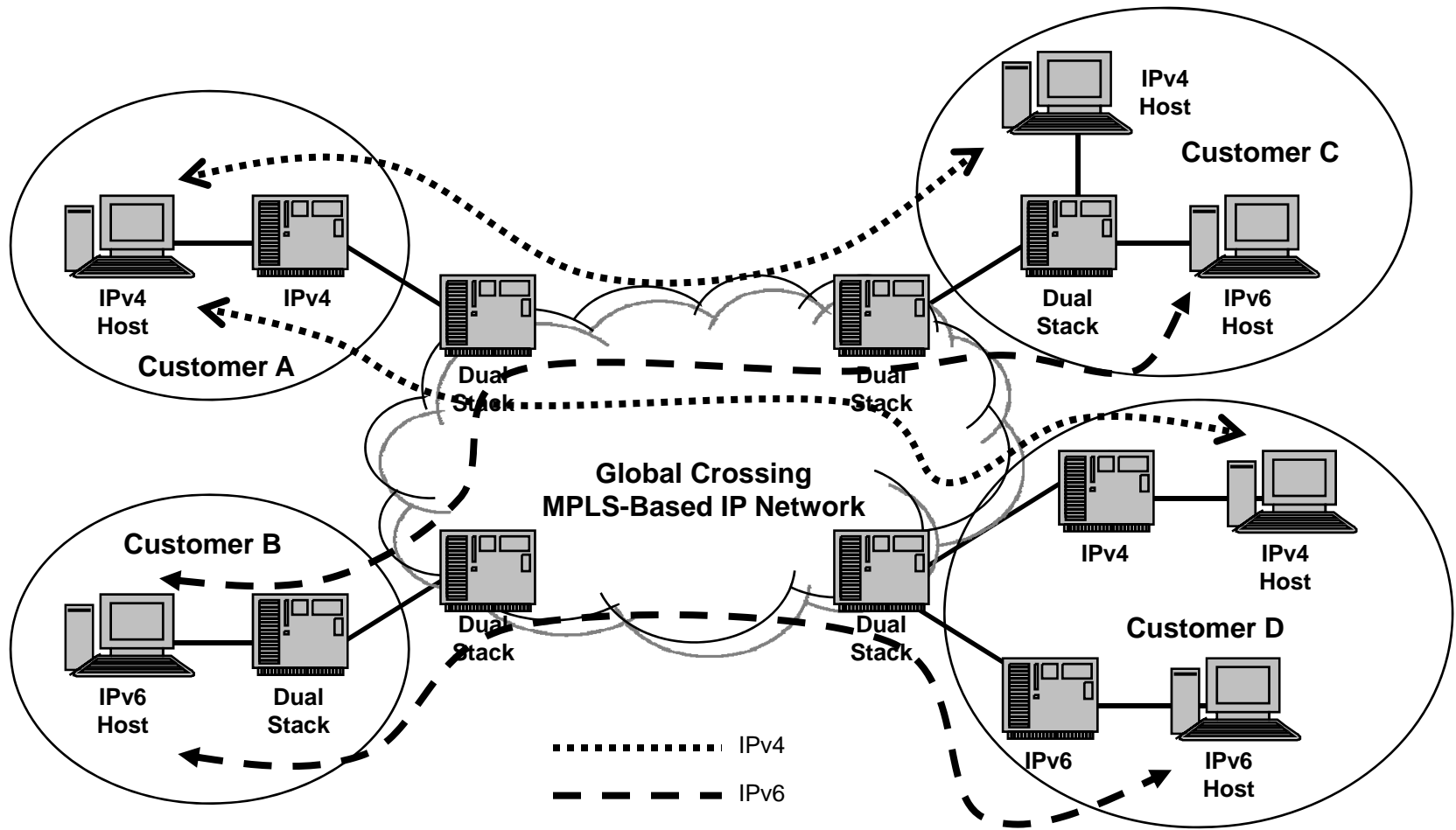# Ready and Waiting?

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Global Crossing®

Global Crossing IPv6 Offers

- **IPv6 option for Internet services**
  - ☐ Released 2005.
    - No CapEx required, leveraged existing Operations.
  - ☐ Dual-stack v4/v6 connection to the v4 and v6 Internet .
    - Increase in Native connections, Tunnels still in place.
    - Experienced growth in ports, the aggregate is in triple digits.
  - ☐ Many peers configured with dual stack v4/v6.
    - 26 ports serving 8 peers.
  - ☐ DNS servers connected with IPv6, support AAAA records, etc.
    - 50% of DNS, lack of Looking Glass, mail

- **IPv6 option for MPLS IP-VPN customers**
  - ☐ Uptake zero.

■**Global Crossing has not adopted IPv6 within our internal operations**

  - ☐ www.globalcrossing.com web site still v4 only.
  - ☐ Internal network and workstations still v4 only.
  - ☐ Internal servers still v4 only.

Representative of the Enterprise Market?
Capital + Effort + No Clear Need != Urgency

Customer's are mid tier carriers (mostly EMEA), SIs and R&E

Where is IPv6 going to go?

- **Deployment of IPv6 Islands …**
  - ☐ Create security concerns as malicious traffic originating within IPv6 backbone may be difficult to trace from a IPv4 backbone.
    - RIPE two to one assignments over ARIN & APNIC (www.nro.net)
    - Mostly R&E

  - ☐ Require IPv6 peering , otherwise IPv6 networks are interconnected by IPv4 internet .
    - Global Crossing from 3 to 8 peers

- **United State Government Agencies meeting OMB Mandate**
  - ☐ Agencies like Enterprises are having a difficult time in real adoption.
  - ☐ Where is the funding?

- **Still Looking for the Killer Application**