IPv6 ADOPTION FOR WEB TRAFFIC: OBSERVATIONS FROM WORLD IPV6 LAUNCH

ION Sao Paulo

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How Akamai Collects IPv6 Stats

- Dual-stacking edge servers
- Customer properties can be dual-stacked
  - Terminate IPv4 and IPv6 connections in server software
  - Can go forwards to customer origin via IPv4
  - End-to-end testing recommended and occasional origin changes
IPv6 HTTP(S) traffic levels

- **Major factors**
  - Content availability
  - Client network connectivity
  - Client and CPE device support
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- **For Akamai on W6L (2012-06-06) vs. W6D (2011-06-08):**

<table>
<thead>
<tr>
<th>IPv6 Addresses</th>
<th>IPv6 Requests</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 million</td>
<td>3.8 billion</td>
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  More Content $\times$ More Clients $=$ More Traffic

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More details at...

www.akamai.com/ipv6

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