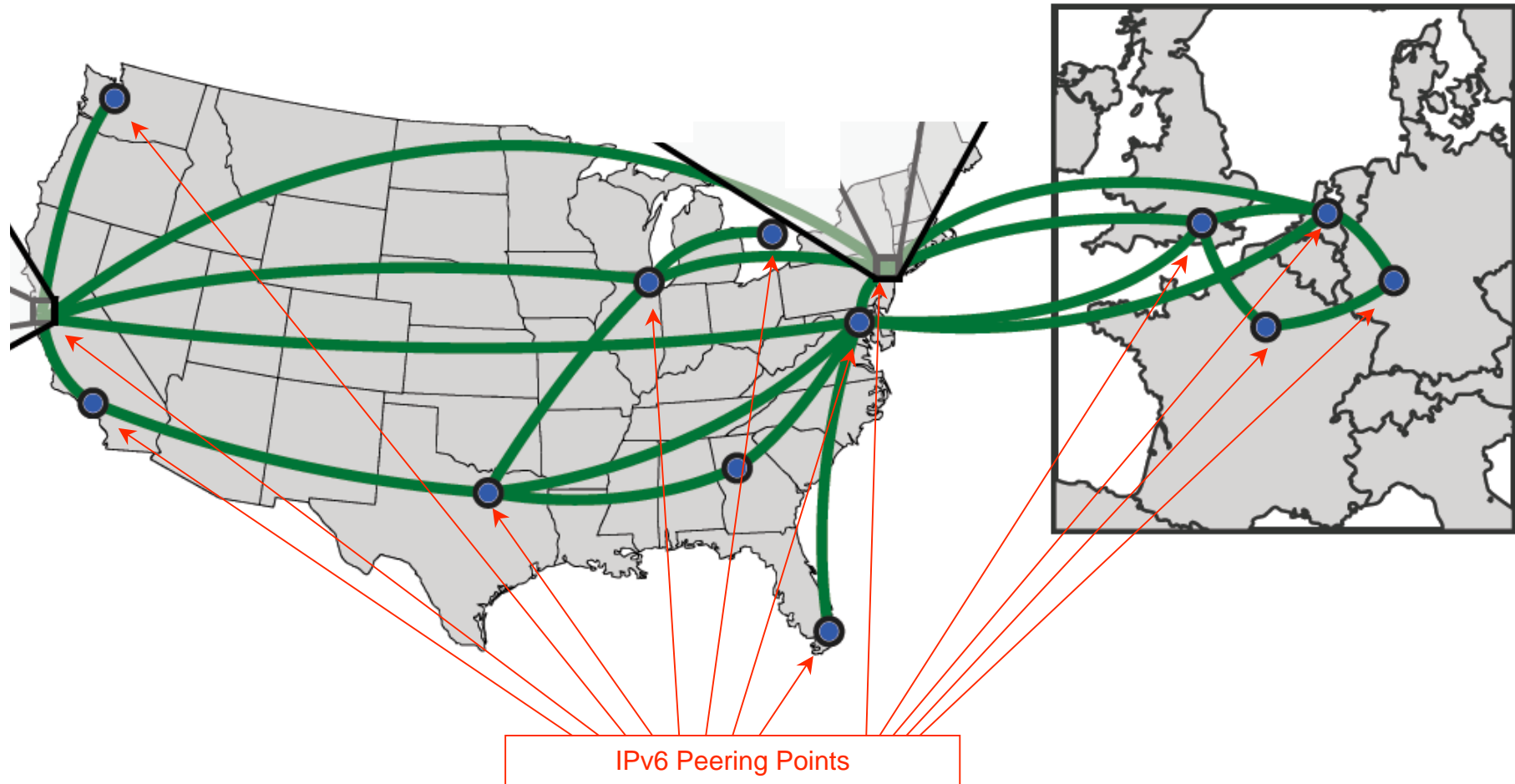


# USA & Europe – IPv6 Peering Points



# USA & Europe – IPv6 Peering Addresses

<b>Location</b>	<b>Exchange</b>	<b>IPv4 Address</b>	<b>IPv6 Address</b>
<u>Seattle, Washington</u>	<u>SIX</u>	<u>198.32.180.40</u>	<u>2001:478:180::40</u>
<u>San Francisco Bay Area</u>	<u>PAIX Palo Alto</u>	<u>198.32.176.20</u>	<u>2001:504:d::10</u>
	<u>EQUINIX-SJC</u>	<u>206.223.116.37</u>	<u>2001:504:0:1::6939:1</u>
<u>Los Angeles, CA</u>	<u>Any2-LAX</u>	<u>206.223.143.122</u>	<u>2001:504:13:0:0:0:0:1A</u>
	<u>LAIIX</u>	<u>198.32.146.50</u>	<u>2001:504:a::a500:6939:1</u>
	<u>EQUINIX-LAX</u>	<u>206.223.123.37</u>	<u>2001:504:0:3::6939:1</u>
<u>Chicago, Illinois</u>	<u>EQUINIX-CHI</u>	<u>206.223.119.37</u>	<u>2001:504:0:4::6939:1</u>
<u>Dallas, Texas</u>	<u>EQUINIX-DAL</u>	<u>206.223.118.37</u>	<u>2001:504:0:5::6939:1</u>
<u>New York</u>	<u>PAIX New York</u>	<u>198.32.118.57</u>	<u>2001:504:f::39</u>
	<u>NYIIX</u>	<u>198.32.160.61</u>	<u>2001:504:1::a500:6939:1</u>
	<u>NYCX</u>	<u>198.32.229.22</u>	
	<u>BIGEAPE</u>		<u>2001:458:26:2::500</u>
<u>Washington, DC</u>	<u>EQUINIX-ASH</u>	<u>206.223.115.37</u>	<u>2001:504:0:2::6939:1</u>
<u>Miami, Florida</u>	<u>NOTA</u>	<u>198.32.124.176</u>	<u>2001:478:124::176</u>
<u>London, England</u>	<u>LINX</u>	<u>195.66.224.21</u>	<u>2001:7f8:4:0::1b1b:1</u>
	<u>LoNAP</u>	<u>193.203.5.128</u>	<u>2001:7f8:17::1b1b:1</u>
<u>Amsterdam, Netherlands</u>	<u>AMS-IX</u>	<u>195.69.145.150</u>	<u>2001:7f8:1::a500:6939:1</u>
	<u>NL-IX</u>	<u>193.239.116.14</u>	<u>2001:7f8:13::a500:6939:1</u>
<u>Paris, France</u>	<u>PaNAP</u>	<u>62.35.254.111</u>	<u>2001:860:0:6::6939:1</u>
<u>Frankfurt, Germany</u>	<u>DE-CIX</u>	<u>80.81.192.172</u>	<u>2001:7f8::1b1b:0:1</u>



# Hurricane Electric – IPv6 Peering Issues

- IPv6 addressing at NAP/IX's
  - Sometimes using BCD encoding
  - Sometimes by “duplicating” the IPv4 addresses
  - Some use hex (why?)

Provider /48 IX AS Number  
2001:504:0:2::6939:1

198.32.180.40

2001:478:180::40

- Other issues...
  - 24/7 NOC with IPv6 expertise (not just “joe” on Mondays\*)  
\* “joe” is not his real name
  - IPv6 & IPv4 public looking glass & route servers

Provider /48 AS Number (HEX)  
2001:7f8:4:0::1B1B:1

