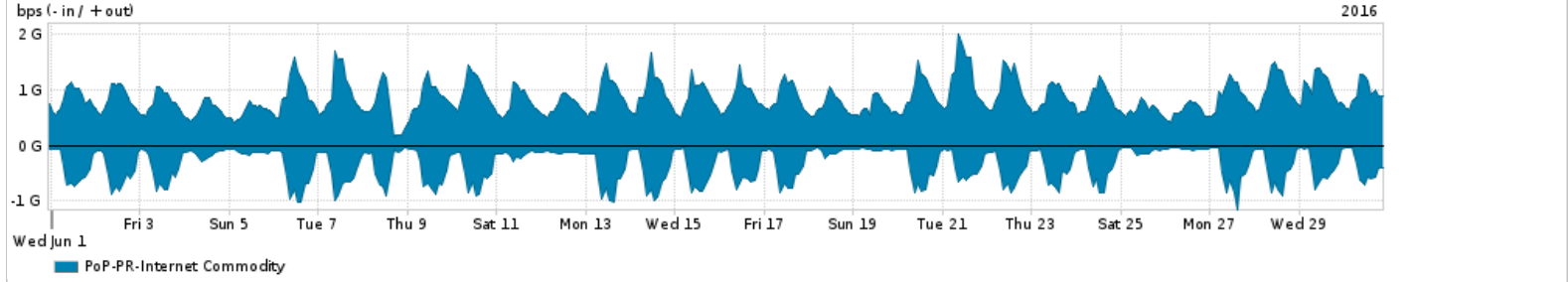


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).  
 A primeira coluna da tabela define o ponto de referência para entendimento dos valores de In e Out.  
 A contabilização do tráfego é sob o ponto de vista do AS da RNP, AS1916.

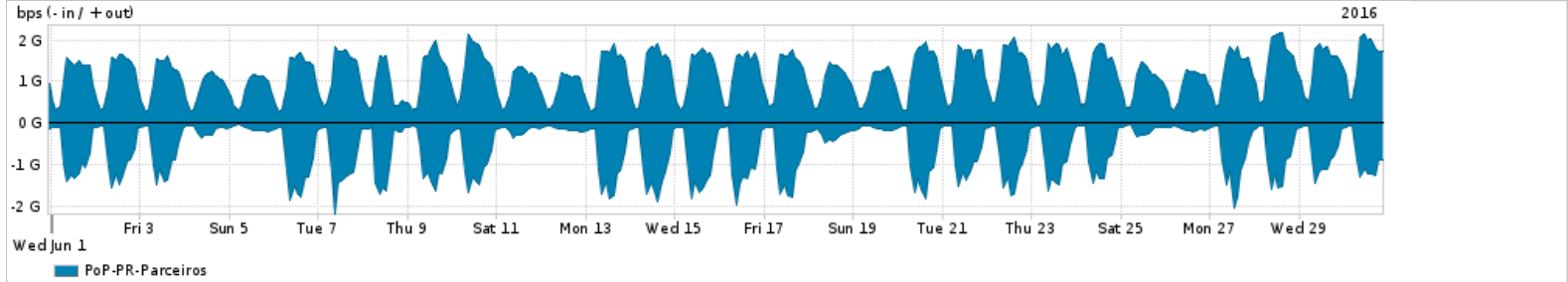
- Legenda:
- PoP - Ponto de presença da RNP
  - Parceiros - Provedores comerciais que a RNP mantém acordos de troca de tráfego
  - Internet Acadêmica - Acesso às redes acadêmicas internacionais, serviço atualmente provido pela RedClara
  - Internet commodity - Acesso pago à Internet global que é oferecido pela RNP aos seus clientes
  - ASN - Número do sistema autônomo
  - Profile - Objeto gerenciável definido arbitrariamente no Peakflow através de diversos parâmetros (ex: bloco cidr, peer-as, as-path, bgp community, interface, etc)

Utilização do serviço de Internet Commodity pelo PoP-PR



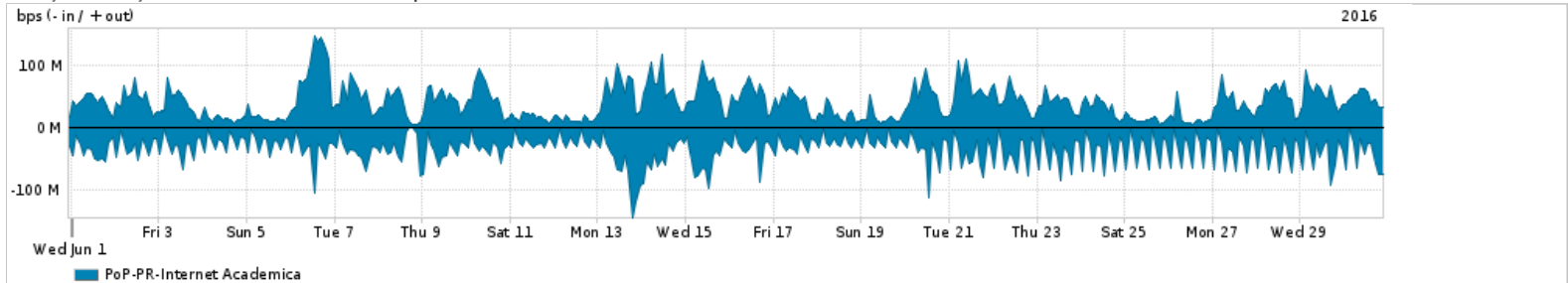
| PROFILE                  | PROFILE | IN                 | OUT         | TOTAL       |           |
|--------------------------|---------|--------------------|-------------|-------------|-----------|
| <input type="checkbox"/> | PoP-PR  | Internet Commodity | 358.15 Mbps | 845.86 Mbps | 1.20 Gbps |

Utilização das trocas de tráfego comerciais no Brasil pelo PoP-PR



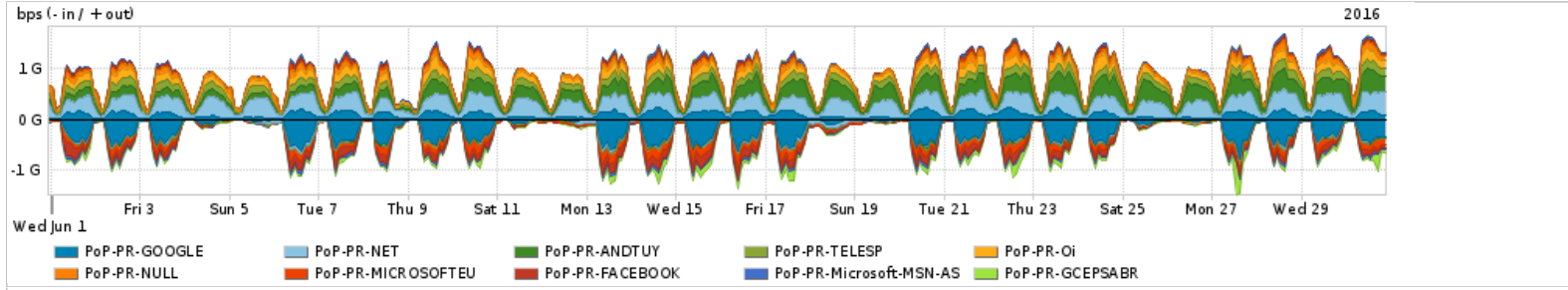
| PROFILE                  | PROFILE | IN        | OUT         | TOTAL     |           |
|--------------------------|---------|-----------|-------------|-----------|-----------|
| <input type="checkbox"/> | PoP-PR  | Parceiros | 662.52 Mbps | 1.16 Gbps | 1.82 Gbps |

Utilização do serviço de Internet acadêmica internacional pelo PoP-PR



| PROFILE                  | PROFILE | IN                 | OUT        | TOTAL      |            |
|--------------------------|---------|--------------------|------------|------------|------------|
| <input type="checkbox"/> | PoP-PR  | Internet Academica | 35.58 Mbps | 40.32 Mbps | 75.89 Mbps |

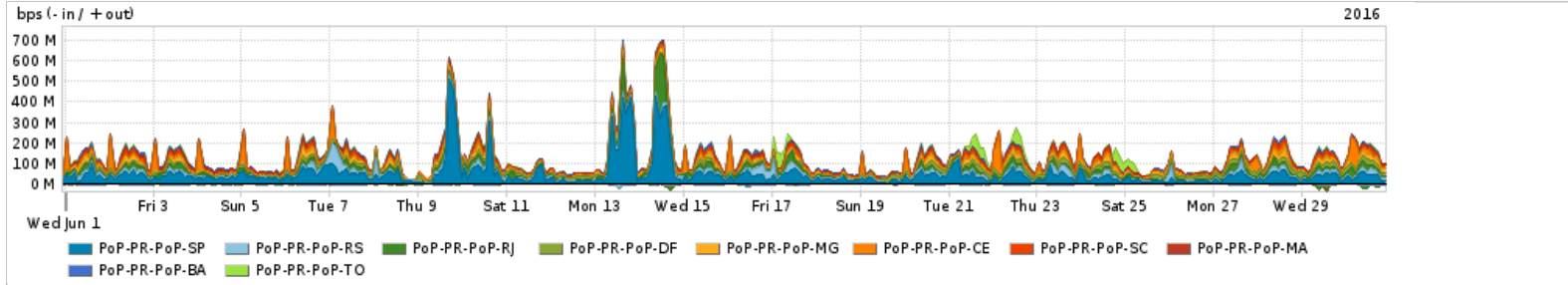
Redes (AS's de origem) mais acessadas pelo PoP-PR



Average | Max | PCT95

| PROFILE                  | AS NAME | ASN              | IN    | OUT         | TOTAL       |             |
|--------------------------|---------|------------------|-------|-------------|-------------|-------------|
| <input type="checkbox"/> | PoP-PR  | GOOGLE           | 15169 | 203.96 Mbps | 83.29 Mbps  | 287.26 Mbps |
| <input type="checkbox"/> | PoP-PR  | NET              | 28573 | 17.61 Mbps  | 240.00 Mbps | 257.60 Mbps |
| <input type="checkbox"/> | PoP-PR  | ANDTUY           | 6057  | 4.54 Mbps   | 195.58 Mbps | 200.12 Mbps |
| <input type="checkbox"/> | PoP-PR  | TELESP           | 27699 | 10.81 Mbps  | 106.35 Mbps | 117.16 Mbps |
| <input type="checkbox"/> | PoP-PR  | Oi               | 7738  | 4.16 Mbps   | 112.09 Mbps | 116.25 Mbps |
| <input type="checkbox"/> | PoP-PR  | NULL             | 0     | 528.00 Kbps | 84.82 Mbps  | 85.34 Mbps  |
| <input type="checkbox"/> | PoP-PR  | MICROSOFTEU      | 8068  | 67.69 Mbps  | 14.42 Mbps  | 82.11 Mbps  |
| <input type="checkbox"/> | PoP-PR  | FACEBOOK         | 32934 | 62.13 Mbps  | 12.99 Mbps  | 75.12 Mbps  |
| <input type="checkbox"/> | PoP-PR  | Microsoft-MSN-AS | 8075  | 21.18 Mbps  | 21.48 Mbps  | 42.66 Mbps  |
| <input type="checkbox"/> | PoP-PR  | GCEPSABR         | 28604 | 40.71 Mbps  | 1.88 Mbps   | 42.58 Mbps  |

Interesse de tráfego do PoP-PR com os outros PoPs da RNP

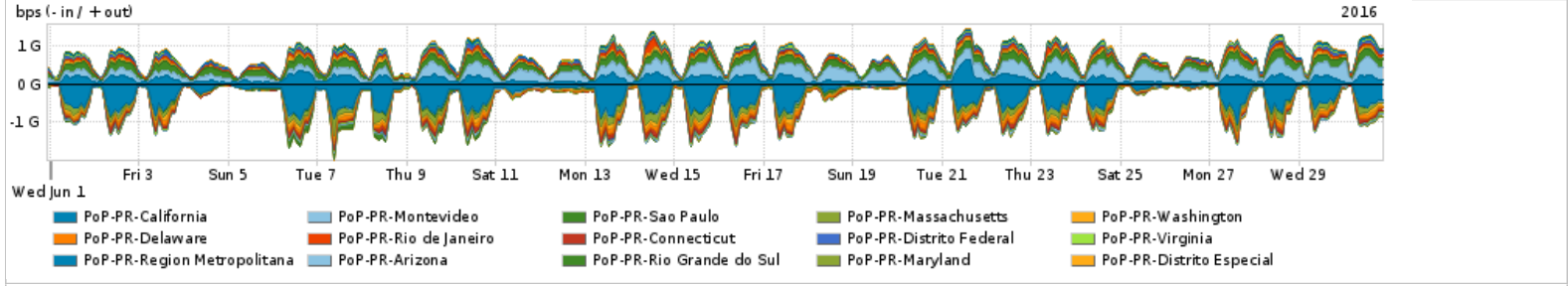


Average | Max | PCT95

| PROFILE                  | PROFILE | IN     | OUT         | TOTAL      |            |
|--------------------------|---------|--------|-------------|------------|------------|
| <input type="checkbox"/> | PoP-PR  | PoP-SP | 243.74 Kbps | 48.80 Mbps | 49.04 Mbps |
| <input type="checkbox"/> | PoP-PR  | PoP-RS | 3.21 Mbps   | 11.87 Mbps | 15.09 Mbps |
| <input type="checkbox"/> | PoP-PR  | PoP-RJ | 433.45 Kbps | 14.18 Mbps | 14.62 Mbps |
| <input type="checkbox"/> | PoP-PR  | PoP-DF | 4.72 Kbps   | 12.63 Mbps | 12.64 Mbps |
| <input type="checkbox"/> | PoP-PR  | PoP-MG | 111.00 bps  | 12.36 Mbps | 12.36 Mbps |
| <input type="checkbox"/> | PoP-PR  | PoP-CE | 5.00 bps    | 10.85 Mbps | 10.85 Mbps |
| <input type="checkbox"/> | PoP-PR  | PoP-SC | 17.49 Kbps  | 10.22 Mbps | 10.24 Mbps |
| <input type="checkbox"/> | PoP-PR  | PoP-MA | 0.00 bps    | 4.94 Mbps  | 4.94 Mbps  |
| <input type="checkbox"/> | PoP-PR  | PoP-BA | 26.42 Kbps  | 4.90 Mbps  | 4.93 Mbps  |

| PROFILE                  | PROFILE | IN     | OUT      | TOTAL     |
|--------------------------|---------|--------|----------|-----------|
| <input type="checkbox"/> | PoP-PR  | PoP-TO | 0.00 bps | 4.74 Mbps |

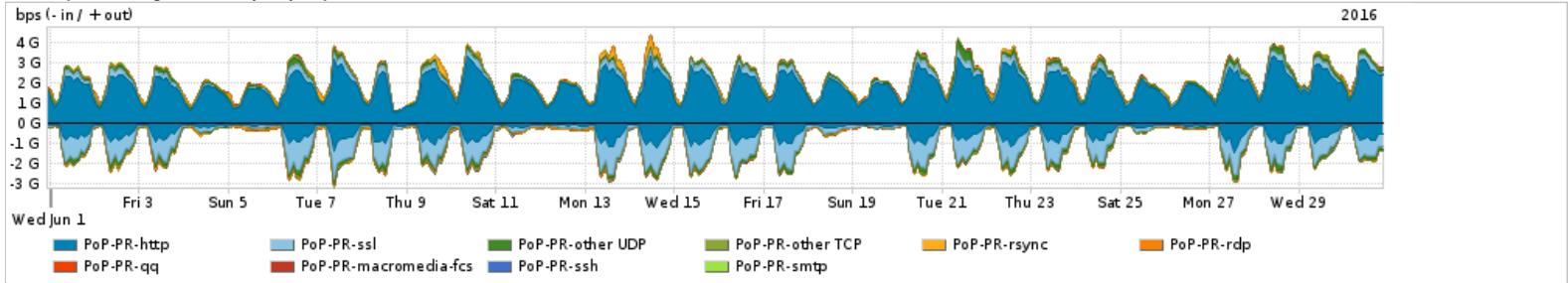
Distribuição do tráfego do PoP-PR por estado, província ou similar



Average | Max | PCT95

| PROFILE                  | REGION | IN                   | OUT         | TOTAL       |             |
|--------------------------|--------|----------------------|-------------|-------------|-------------|
| <input type="checkbox"/> | PoP-PR | California           | 309.14 Mbps | 123.55 Mbps | 432.69 Mbps |
| <input type="checkbox"/> | PoP-PR | Montevideo           | 4.78 Mbps   | 211.98 Mbps | 216.76 Mbps |
| <input type="checkbox"/> | PoP-PR | Sao Paulo            | 16.12 Mbps  | 140.31 Mbps | 156.44 Mbps |
| <input type="checkbox"/> | PoP-PR | Massachusetts        | 64.08 Mbps  | 4.15 Mbps   | 68.23 Mbps  |
| <input type="checkbox"/> | PoP-PR | Washington           | 41.85 Mbps  | 24.22 Mbps  | 66.07 Mbps  |
| <input type="checkbox"/> | PoP-PR | Delaware             | 49.42 Mbps  | 6.39 Mbps   | 55.81 Mbps  |
| <input type="checkbox"/> | PoP-PR | Rio de Janeiro       | 3.88 Mbps   | 43.83 Mbps  | 47.70 Mbps  |
| <input type="checkbox"/> | PoP-PR | Connecticut          | 43.08 Mbps  | 1.25 Mbps   | 44.33 Mbps  |
| <input type="checkbox"/> | PoP-PR | Distrito Federal     | 2.44 Mbps   | 39.01 Mbps  | 41.45 Mbps  |
| <input type="checkbox"/> | PoP-PR | Virginia             | 12.32 Mbps  | 19.60 Mbps  | 31.92 Mbps  |
| <input type="checkbox"/> | PoP-PR | Region Metropolitana | 620.40 Kbps | 28.87 Mbps  | 29.49 Mbps  |
| <input type="checkbox"/> | PoP-PR | Arizona              | 22.01 Mbps  | 2.41 Mbps   | 24.43 Mbps  |
| <input type="checkbox"/> | PoP-PR | Rio Grande do Sul    | 12.33 Mbps  | 11.57 Mbps  | 23.91 Mbps  |
| <input type="checkbox"/> | PoP-PR | Maryland             | 20.20 Mbps  | 406.57 Kbps | 20.61 Mbps  |
| <input type="checkbox"/> | PoP-PR | Distrito Especial    | 413.00 Kbps | 16.23 Mbps  | 16.64 Mbps  |

Distribuição do tráfego do PoP-PR por aplicação (análise em camada 3 e 4)

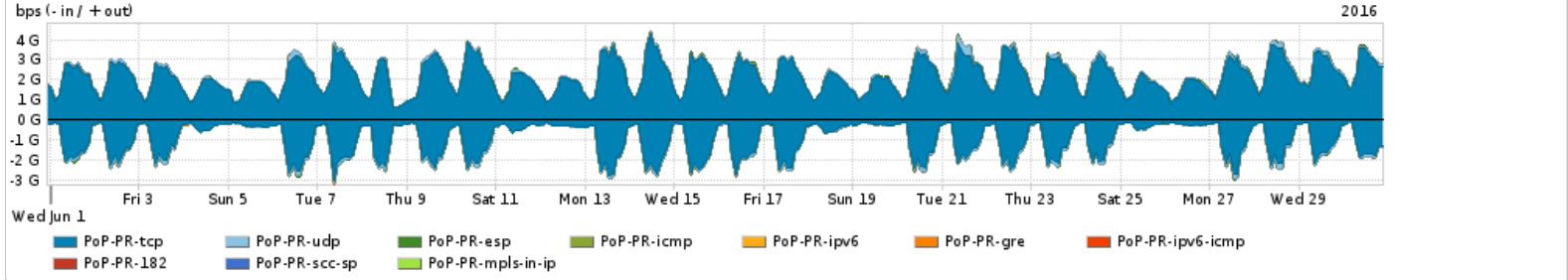


Average | Max | PCT95

| PROFILE                  | APPLICATION | IN   | OUT         | TOTAL       |             |
|--------------------------|-------------|------|-------------|-------------|-------------|
| <input type="checkbox"/> | PoP-PR      | http | 391.83 Mbps | 1.83 Gbps   | 2.23 Gbps   |
| <input type="checkbox"/> | PoP-PR      | ssl  | 472.14 Mbps | 133.78 Mbps | 605.91 Mbps |

| PROFILE                  | APPLICATION | IN             | OUT        | TOTAL      |             |
|--------------------------|-------------|----------------|------------|------------|-------------|
| <input type="checkbox"/> | PoP-PR      | other UDP      | 72.42 Mbps | 84.43 Mbps | 156.85 Mbps |
| <input type="checkbox"/> | PoP-PR      | other TCP      | 48.11 Mbps | 72.30 Mbps | 120.41 Mbps |
| <input type="checkbox"/> | PoP-PR      | rsync          | 37.10 Mbps | 67.76 Mbps | 104.87 Mbps |
| <input type="checkbox"/> | PoP-PR      | rdp            | 16.76 Mbps | 2.64 Mbps  | 19.40 Mbps  |
| <input type="checkbox"/> | PoP-PR      | qq             | 1.09 Mbps  | 8.44 Mbps  | 9.53 Mbps   |
| <input type="checkbox"/> | PoP-PR      | macromedia-fcs | 5.87 Mbps  | 2.51 Mbps  | 8.38 Mbps   |
| <input type="checkbox"/> | PoP-PR      | ssh            | 6.34 Mbps  | 1.35 Mbps  | 7.68 Mbps   |
| <input type="checkbox"/> | PoP-PR      | smtp           | 2.23 Mbps  | 2.91 Mbps  | 5.14 Mbps   |

Distribuição do tráfego do PoP-PR por protocolo



Average | Max | PCT95

| PROFILE                  | PROTOCOL | IN         | OUT         | TOTAL       |             |
|--------------------------|----------|------------|-------------|-------------|-------------|
| <input type="checkbox"/> | PoP-PR   | tcp        | 983.67 Mbps | 2.13 Gbps   | 3.12 Gbps   |
| <input type="checkbox"/> | PoP-PR   | udp        | 74.70 Mbps  | 85.88 Mbps  | 160.58 Mbps |
| <input type="checkbox"/> | PoP-PR   | esp        | 1.96 Mbps   | 7.79 Mbps   | 9.76 Mbps   |
| <input type="checkbox"/> | PoP-PR   | icmp       | 150.89 Kbps | 544.34 Kbps | 695.24 Kbps |
| <input type="checkbox"/> | PoP-PR   | ipv6       | 106.00 Kbps | 212.04 Kbps | 318.04 Kbps |
| <input type="checkbox"/> | PoP-PR   | gre        | 63.55 Kbps  | 91.25 Kbps  | 154.80 Kbps |
| <input type="checkbox"/> | PoP-PR   | ipv6-icmp  | 1.91 Kbps   | 8.68 Kbps   | 10.59 Kbps  |
| <input type="checkbox"/> | PoP-PR   | 182        | 0.00 bps    | 920.00 bps  | 920.00 bps  |
| <input type="checkbox"/> | PoP-PR   | scc-sp     | 0.00 bps    | 890.00 bps  | 890.00 bps  |
| <input type="checkbox"/> | PoP-PR   | mpls-in-ip | 0.00 bps    | 881.00 bps  | 881.00 bps  |

For assistance with this product, please contact [support@arbornetworks.com](mailto:support@arbornetworks.com).