

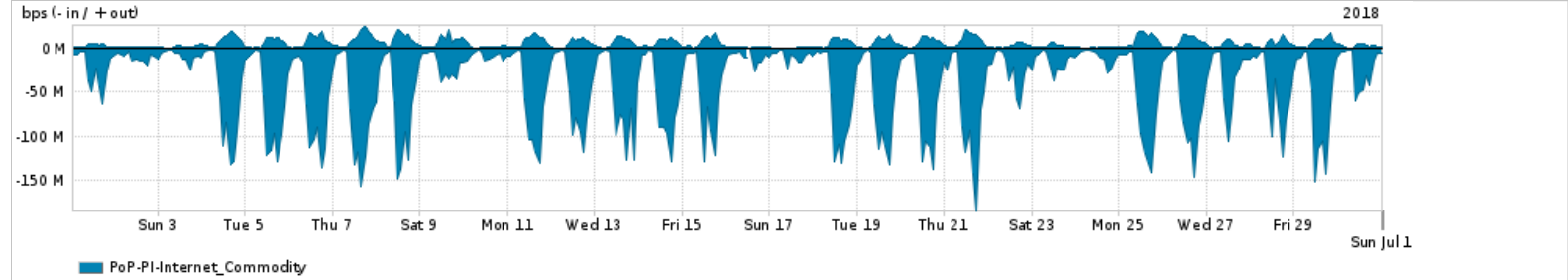
Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).

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:**

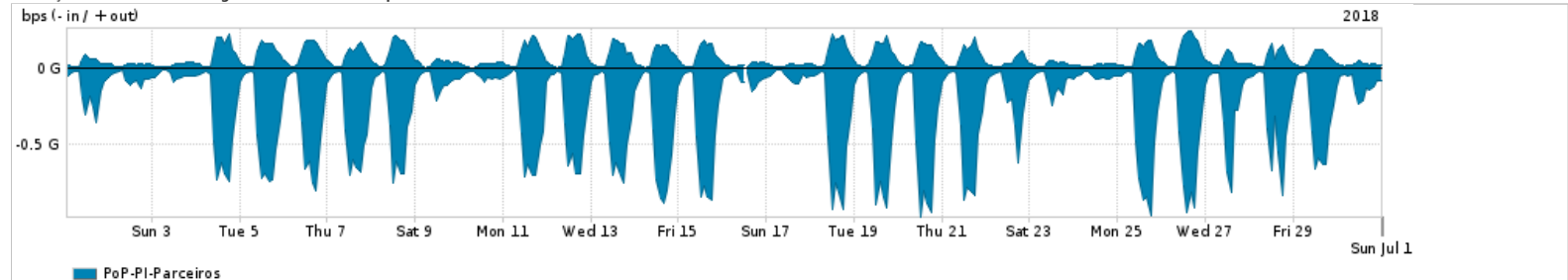
- PoP - Ponto de presença da RNP
- Parceiros - Provedores comerciais que a RNP mantém acordos de troca de tráfego
- Internet Acadêmica - Acesso às redes acadêmicas internacionais, serviço atualmente provido pela RedClara
- Internet commodity - Acesso pago à Internet global que é oferecido pela RNP aos 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-PI**



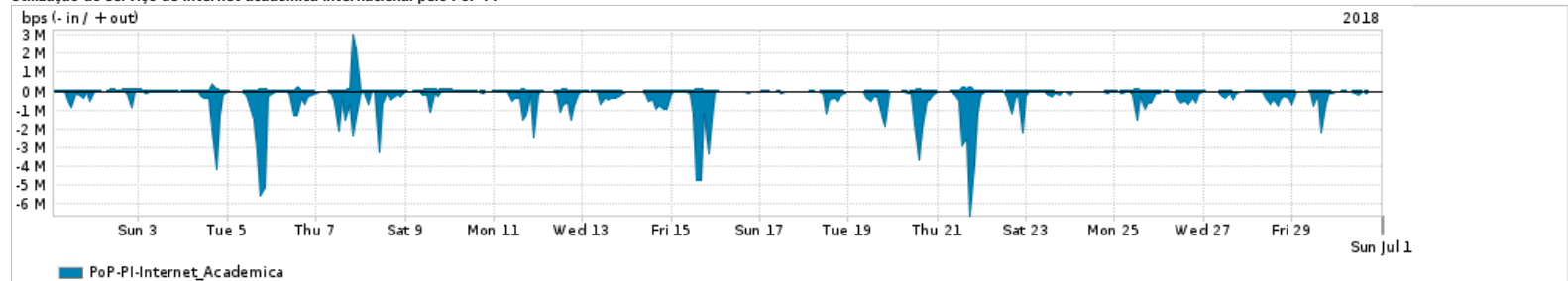
| PROFILE                                    | PROFILE            | IN         | OUT       | TOTAL      |
|--|--------------------|------------|-----------|------------|
| <input checked="" type="checkbox"/> PoP-PI | Internet_Commodity | 41.21 Mbps | 5.74 Mbps | 46.94 Mbps |

**Utilização das trocas de tráfego comerciais no Brasil pelo PoP-PI**



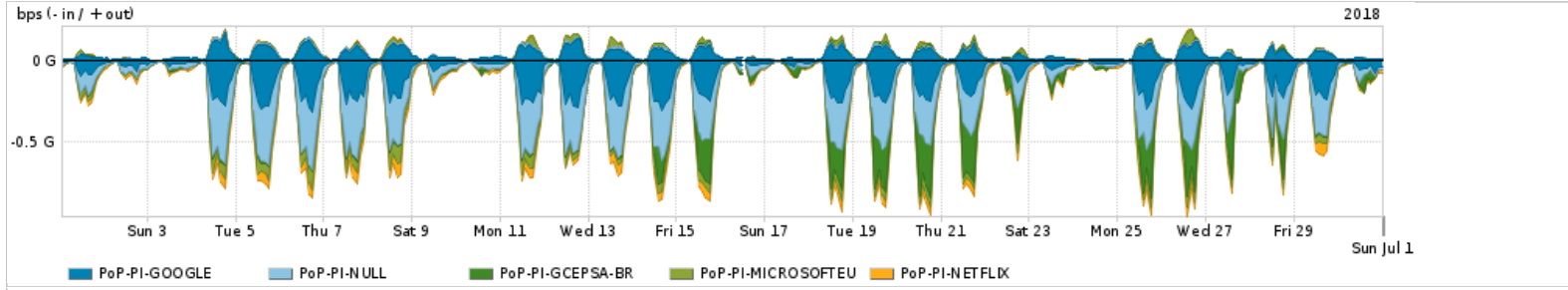
| PROFILE                                    | PROFILE   | IN          | OUT        | TOTAL       |
|--|-----------|-------------|------------|-------------|
| <input checked="" type="checkbox"/> PoP-PI | Parceiros | 261.09 Mbps | 69.93 Mbps | 331.02 Mbps |

**Utilização do serviço de Internet acadêmica internacional pelo PoP-PI**



| PROFILE                                    | PROFILE            | IN          | OUT        | TOTAL       |
|--|--------------------|-------------|------------|-------------|
| <input checked="" type="checkbox"/> PoP-PI | Internet_Academica | 410.67 Kbps | 48.12 Kbps | 458.79 Kbps |

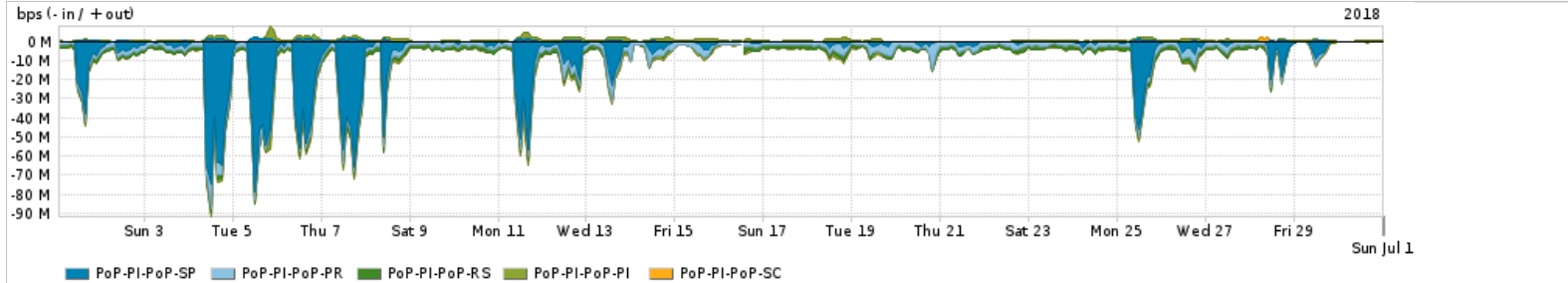
Redes (AS's de origem) mais acessadas pelo PoP-PI



Average | Max | PCT95

|                                     | PROFILE | AS NAME     | ASN   | IN         | OUT         | TOTAL       |
|-------------------------------------|---------|-------------|-------|------------|-------------|-------------|
| <input checked="" type="checkbox"/> | PoP-PI  | GOOGLE      | 15169 | 83.26 Mbps | 30.12 Mbps  | 113.38 Mbps |
| <input checked="" type="checkbox"/> | PoP-PI  | NULL        | 0     | 99.32 Mbps | 3.75 Mbps   | 103.07 Mbps |
| <input checked="" type="checkbox"/> | PoP-PI  | GCEPSA-BR   | 28604 | 32.84 Mbps | 987.21 Kbps | 33.83 Mbps  |
| <input checked="" type="checkbox"/> | PoP-PI  | MICROSOFTEU | 8068  | 20.81 Mbps | 5.43 Mbps   | 26.24 Mbps  |
| <input checked="" type="checkbox"/> | PoP-PI  | NETFLIX     | 2906  | 20.34 Mbps | 622.11 Kbps | 20.97 Mbps  |
| <input type="checkbox"/>            | PoP-PI  | FACEBOOK    | 32934 | 15.01 Mbps | 3.16 Mbps   | 18.16 Mbps  |
| <input type="checkbox"/>            | PoP-PI  | AMAZON-02   | 16509 | 12.29 Mbps | 2.49 Mbps   | 14.77 Mbps  |
| <input type="checkbox"/>            | PoP-PI  | AKAMAI-ASN1 | 20940 | 10.58 Mbps | 489.24 Kbps | 11.07 Mbps  |
| <input type="checkbox"/>            | PoP-PI  | OVH         | 16276 | 3.66 Mbps  | 4.23 Mbps   | 7.88 Mbps   |
| <input type="checkbox"/>            | PoP-PI  | EDGECAST    | 15133 | 6.50 Mbps  | 215.79 Kbps | 6.72 Mbps   |

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

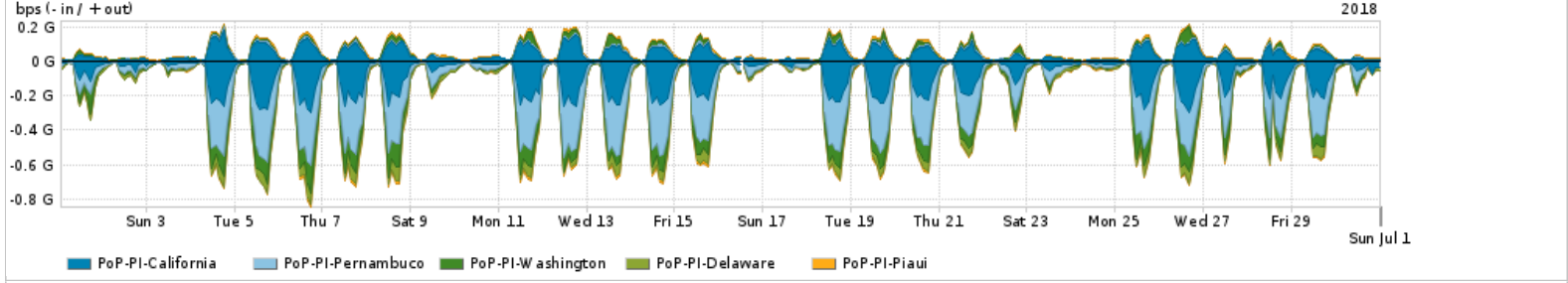


Average | Max | PCT95

|                                     | PROFILE | PROFILE | IN          | OUT         | TOTAL       |
|-------------------------------------|---------|---------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | PoP-PI  | PoP-SP  | 6.65 Mbps   | 144.65 Kbps | 6.79 Mbps   |
| <input checked="" type="checkbox"/> | PoP-PI  | PoP-PR  | 2.67 Mbps   | 0.00 bps    | 2.67 Mbps   |
| <input checked="" type="checkbox"/> | PoP-PI  | PoP-RS  | 1.38 Mbps   | 36.00 bps   | 1.38 Mbps   |
| <input checked="" type="checkbox"/> | PoP-PI  | PoP-PI  | 493.55 Kbps | 493.55 Kbps | 987.10 Kbps |
| <input checked="" type="checkbox"/> | PoP-PI  | PoP-SC  | 810.00 bps  | 16.28 Kbps  | 17.09 Kbps  |
| <input type="checkbox"/>            | PoP-PI  | PoP-RJ  | 8.03 Kbps   | 192.00 bps  | 8.23 Kbps   |
| <input type="checkbox"/>            | PoP-PI  | PoP-DF  | 1.90 Kbps   | 4.00 bps    | 1.91 Kbps   |
| <input type="checkbox"/>            | PoP-PI  | PoP-MA  | 0.00 bps    | 588.00 bps  | 588.00 bps  |
| <input type="checkbox"/>            | PoP-PI  | PoP-SE  | 0.00 bps    | 136.00 bps  | 136.00 bps  |

|                          | PROFILE | PROFILE | IN       | OUT        | TOTAL      |
|--------------------------|---------|---------|----------|------------|------------|
| <input type="checkbox"/> | PoP-PI  | PoP-MG  | 0.00 bps | 101.00 bps | 101.00 bps |

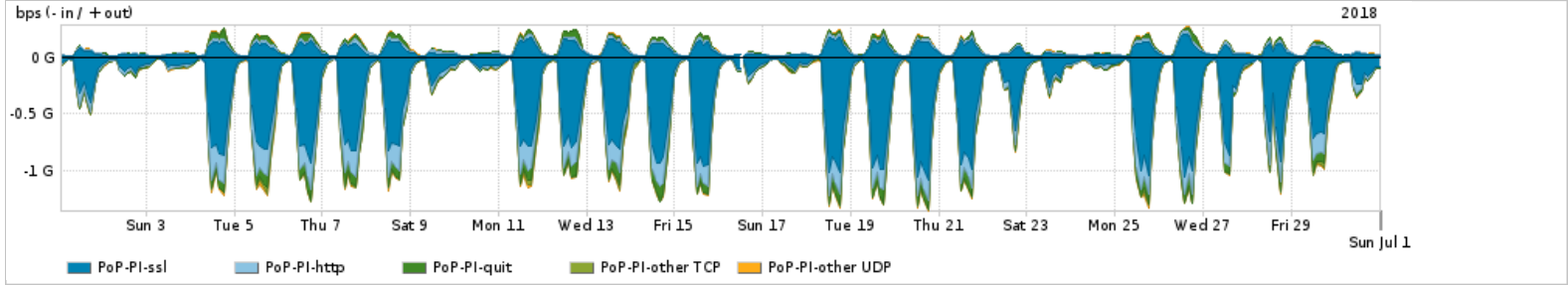
Distribuição do tráfego do PoP-PI por estado, província ou similar



Average | Max | PCT95

|                                     | PROFILE | REGION              | IN          | OUT         | TOTAL       |
|-------------------------------------|---------|---------------------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | PoP-PI  | California          | 78.28 Mbps  | 35.10 Mbps  | 113.39 Mbps |
| <input checked="" type="checkbox"/> | PoP-PI  | Pernambuco          | 92.46 Mbps  | 3.45 Mbps   | 95.90 Mbps  |
| <input checked="" type="checkbox"/> | PoP-PI  | Washington          | 31.63 Mbps  | 6.39 Mbps   | 38.02 Mbps  |
| <input checked="" type="checkbox"/> | PoP-PI  | Delaware            | 20.77 Mbps  | 631.38 Kbps | 21.40 Mbps  |
| <input checked="" type="checkbox"/> | PoP-PI  | Piaui               | 5.78 Mbps   | 7.45 Mbps   | 13.23 Mbps  |
| <input type="checkbox"/>            | PoP-PI  | Massachusetts       | 10.51 Mbps  | 532.85 Kbps | 11.04 Mbps  |
| <input type="checkbox"/>            | PoP-PI  | Rio de Janeiro      | 8.71 Mbps   | 613.55 Kbps | 9.32 Mbps   |
| <input type="checkbox"/>            | PoP-PI  | Sao Paulo           | 6.77 Mbps   | 1.19 Mbps   | 7.97 Mbps   |
| <input type="checkbox"/>            | PoP-PI  | Virginia            | 5.35 Mbps   | 1.74 Mbps   | 7.09 Mbps   |
| <input type="checkbox"/>            | PoP-PI  | New Jersey          | 695.60 Kbps | 4.10 Mbps   | 4.80 Mbps   |
| <input type="checkbox"/>            | PoP-PI  | Rio Grande do Norte | 4.31 Mbps   | 7.76 Kbps   | 4.32 Mbps   |
| <input type="checkbox"/>            | PoP-PI  | Ceara               | 3.16 Mbps   | 1.06 Mbps   | 4.22 Mbps   |
| <input type="checkbox"/>            | PoP-PI  | Texas               | 2.39 Mbps   | 92.29 Kbps  | 2.48 Mbps   |
| <input type="checkbox"/>            | PoP-PI  | Florida             | 2.22 Mbps   | 104.86 Kbps | 2.33 Mbps   |
| <input type="checkbox"/>            | PoP-PI  | Quebec              | 2.22 Mbps   | 70.93 Kbps  | 2.29 Mbps   |

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

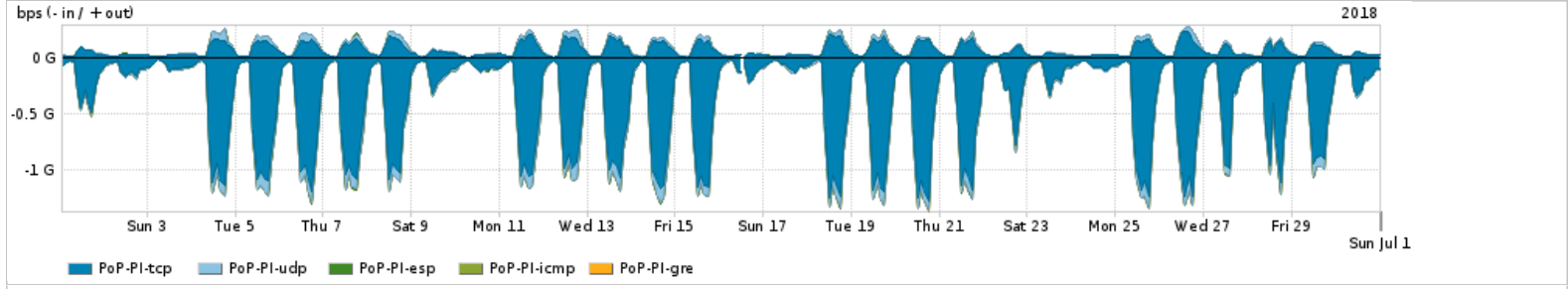


Average | Max | PCT95

|                                     | PROFILE | APPLICATION | IN          | OUT        | TOTAL       |
|-------------------------------------|---------|-------------|-------------|------------|-------------|
| <input checked="" type="checkbox"/> | PoP-PI  | ssl         | 293.24 Mbps | 49.59 Mbps | 342.82 Mbps |
| <input checked="" type="checkbox"/> | PoP-PI  | http        | 67.89 Mbps  | 12.49 Mbps | 80.37 Mbps  |

|                                     | PROFILE | APPLICATION    | IN          | OUT         | TOTAL       |
|-------------------------------------|---------|----------------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | PoP-PI  | quit           | 29.99 Mbps  | 11.34 Mbps  | 41.32 Mbps  |
| <input checked="" type="checkbox"/> | PoP-PI  | other TCP      | 7.23 Mbps   | 522.97 Kbps | 7.75 Mbps   |
| <input checked="" type="checkbox"/> | PoP-PI  | other UDP      | 5.04 Mbps   | 2.07 Mbps   | 7.10 Mbps   |
| <input type="checkbox"/>            | PoP-PI  | opennap        | 82.35 Kbps  | 1.36 Mbps   | 1.45 Mbps   |
| <input type="checkbox"/>            | PoP-PI  | macromedia-fcs | 305.87 Kbps | 760.55 Kbps | 1.07 Mbps   |
| <input type="checkbox"/>            | PoP-PI  | dns            | 588.04 Kbps | 207.56 Kbps | 795.60 Kbps |
| <input type="checkbox"/>            | PoP-PI  | sip            | 336.58 Kbps | 286.65 Kbps | 623.23 Kbps |
| <input type="checkbox"/>            | PoP-PI  | stun           | 286.09 Kbps | 292.46 Kbps | 578.55 Kbps |

Distribuição do tráfego do PoP-PI por protocolo



Average | Max | PCT95

|                                     | PROFILE | PROTOCOL  | IN          | OUT         | TOTAL       |
|-------------------------------------|---------|-----------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | PoP-PI  | tcp       | 369.44 Mbps | 65.14 Mbps  | 434.58 Mbps |
| <input checked="" type="checkbox"/> | PoP-PI  | udp       | 36.17 Mbps  | 14.19 Mbps  | 50.37 Mbps  |
| <input checked="" type="checkbox"/> | PoP-PI  | esp       | 502.58 Kbps | 103.39 Kbps | 605.97 Kbps |
| <input checked="" type="checkbox"/> | PoP-PI  | icmp      | 19.58 Kbps  | 36.58 Kbps  | 56.16 Kbps  |
| <input checked="" type="checkbox"/> | PoP-PI  | gre       | 2.19 Kbps   | 24.58 Kbps  | 26.77 Kbps  |
| <input type="checkbox"/>            | PoP-PI  | ipv6-icmp | 12.00 bps   | 274.00 bps  | 286.00 bps  |
| <input type="checkbox"/>            | PoP-PI  | ipv6      | 0.00 bps    | 18.00 bps   | 18.00 bps   |
| <input type="checkbox"/>            | PoP-PI  | sctp      | 1.00 bps    | 0.00 bps    | 1.00 bps    |
| <input type="checkbox"/>            | PoP-PI  | ip        | 0.00 bps    | 0.00 bps    | 0.00 bps    |

For assistance with this product, please contact support at <https://support.arbornetworks.com>