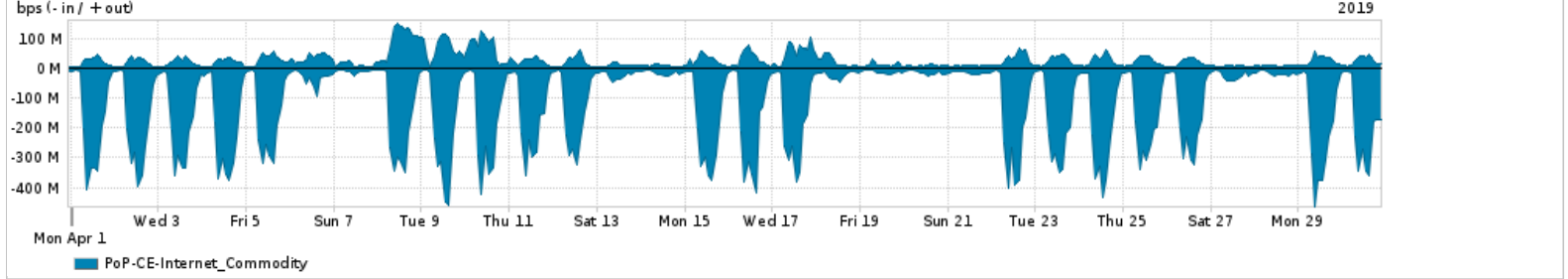


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).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

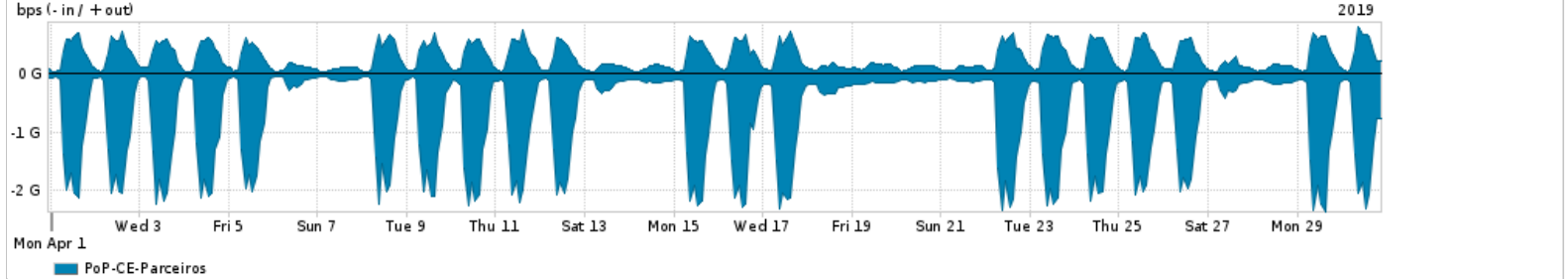
- Legenda:
- PoP - Ponto de presença da RNP
  - Parceiros - Provedores comerciais que a RNP mantém acordos de troca de tráfego
  - Internet Acadêmica - Acesso às redes acadêmicas internacionais, serviço atualmente provido pela RedClara
  - Internet commodity - Acesso pago à Internet global que é oferecido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



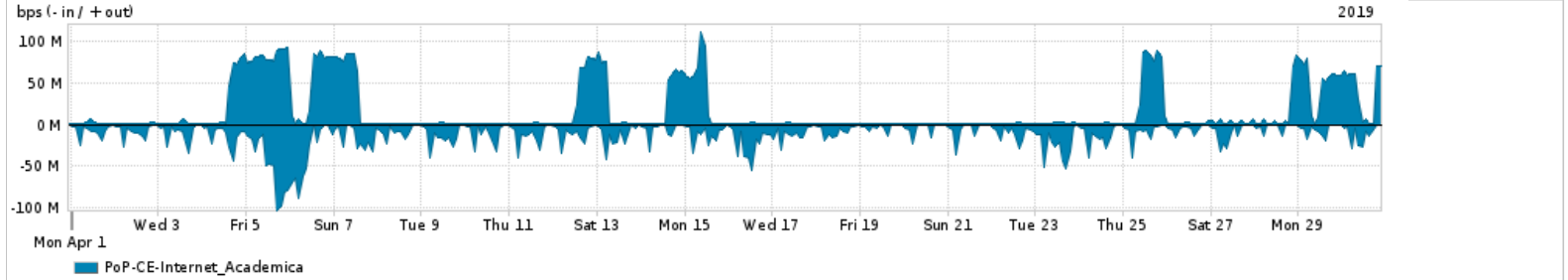
| PROFILE                                    | PROFILE            | IN          | OUT        | TOTAL       |
|--|--------------------|-------------|------------|-------------|
| <input checked="" type="checkbox"/> PoP-CE | Internet_Commodity | 120.85 Mbps | 25.54 Mbps | 146.39 Mbps |

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



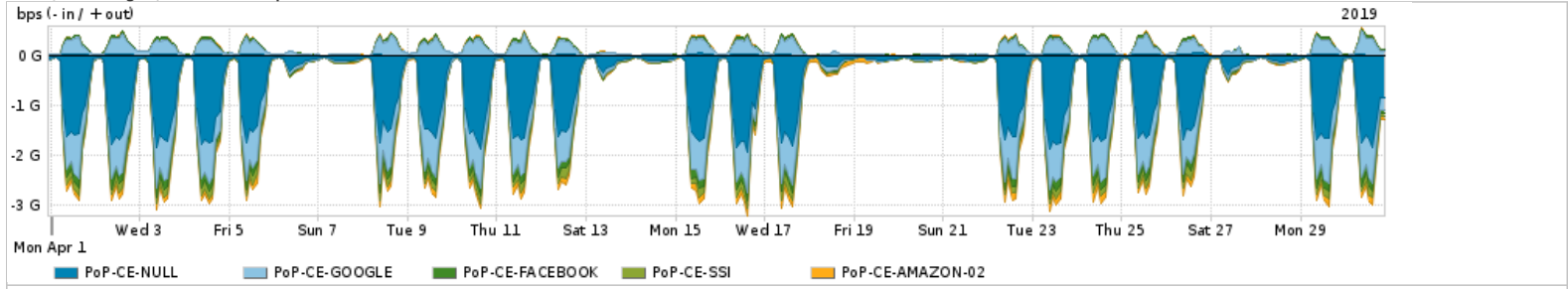
| PROFILE                                    | PROFILE   | IN          | OUT         | TOTAL     |
|--|-----------|-------------|-------------|-----------|
| <input checked="" type="checkbox"/> PoP-CE | Parceiros | 746.97 Mbps | 268.64 Mbps | 1.02 Gbps |

Utilização do serviço de Internet acadêmica internacional pelo PoP-CE



| PROFILE                                    | PROFILE            | IN         | OUT        | TOTAL      |
|--|--------------------|------------|------------|------------|
| <input checked="" type="checkbox"/> PoP-CE | Internet_Academica | 12.62 Mbps | 16.35 Mbps | 28.97 Mbps |

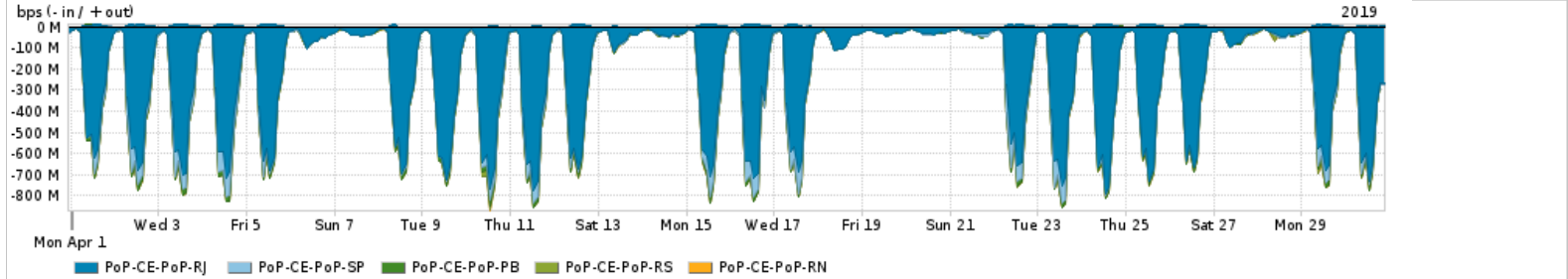
Redes (AS's de origem) mais acessadas pelo PoP-CE



Average | Max | PCT95

|                                     | PROFILE | AS NAME                     | ASN   | IN          | OUT         | TOTAL       |
|-------------------------------------|---------|-----------------------------|-------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | PoP-CE  | NULL                        | 0     | 605.03 Mbps | 10.40 Mbps  | 615.44 Mbps |
| <input checked="" type="checkbox"/> | PoP-CE  | GOOGLE                      | 15169 | 239.34 Mbps | 113.33 Mbps | 352.66 Mbps |
| <input checked="" type="checkbox"/> | PoP-CE  | FACEBOOK                    | 32934 | 52.89 Mbps  | 16.87 Mbps  | 69.76 Mbps  |
| <input checked="" type="checkbox"/> | PoP-CE  | SSI                         | 2906  | 54.91 Mbps  | 1.14 Mbps   | 56.04 Mbps  |
| <input checked="" type="checkbox"/> | PoP-CE  | AMAZON-02                   | 16509 | 48.70 Mbps  | 5.27 Mbps   | 53.97 Mbps  |
| <input type="checkbox"/>            | PoP-CE  | EDGECAST                    | 15133 | 43.18 Mbps  | 682.64 Kbps | 43.86 Mbps  |
| <input type="checkbox"/>            | PoP-CE  | MICROSOFT-CORP-MSN-AS-BLOCK | 8068  | 32.42 Mbps  | 8.89 Mbps   | 41.31 Mbps  |
| <input type="checkbox"/>            | PoP-CE  | APPLE-ENGINEERING           | 714   | 13.91 Mbps  | 20.93 Mbps  | 34.84 Mbps  |
| <input type="checkbox"/>            | PoP-CE  | AKAMAI-ASN1                 | 20940 | 33.26 Mbps  | 1.26 Mbps   | 34.52 Mbps  |
| <input type="checkbox"/>            | PoP-CE  | CLARO                       | 28573 | 10.25 Mbps  | 14.51 Mbps  | 24.76 Mbps  |

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

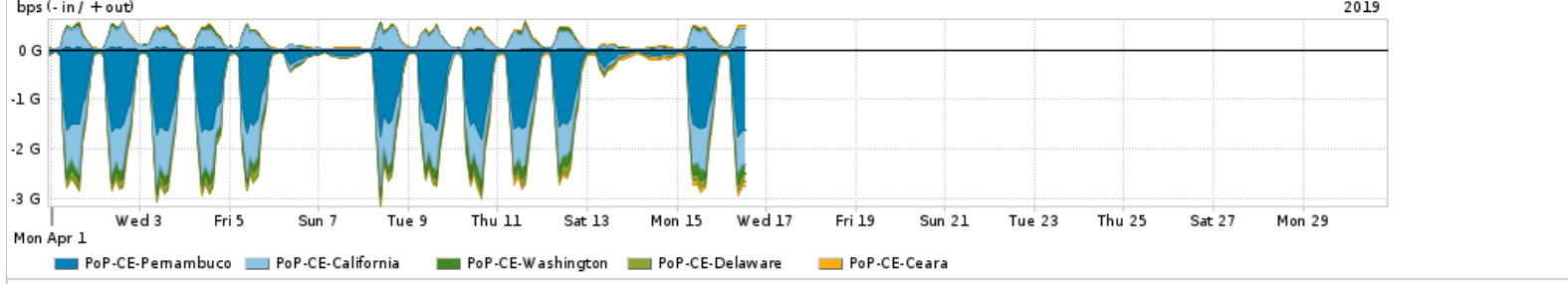


Average | Max | PCT95

|                                     | PROFILE | PROFILE | IN          | OUT         | TOTAL       |
|-------------------------------------|---------|---------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | PoP-CE  | PoP-RJ  | 222.65 Mbps | 2.90 Mbps   | 225.55 Mbps |
| <input checked="" type="checkbox"/> | PoP-CE  | PoP-SP  | 16.67 Mbps  | 286.65 Kbps | 16.96 Mbps  |
| <input checked="" type="checkbox"/> | PoP-CE  | PoP-PB  | 5.92 Mbps   | 107.21 Kbps | 6.02 Mbps   |
| <input checked="" type="checkbox"/> | PoP-CE  | PoP-RS  | 1.25 Mbps   | 96.00 bps   | 1.25 Mbps   |
| <input checked="" type="checkbox"/> | PoP-CE  | PoP-RN  | 63.37 Kbps  | 0.00 bps    | 63.37 Kbps  |
| <input type="checkbox"/>            | PoP-CE  | PoP-PR  | 30.99 Kbps  | 0.00 bps    | 30.99 Kbps  |
| <input type="checkbox"/>            | PoP-CE  | PoP-DF  | 4.20 Kbps   | 9.00 bps    | 4.21 Kbps   |
| <input type="checkbox"/>            | PoP-CE  | PoP-SC  | 3.66 Kbps   | 0.00 bps    | 3.66 Kbps   |
| <input type="checkbox"/>            | PoP-CE  | PoP-CE  | 121.00 bps  | 121.00 bps  | 242.00 bps  |

| PROFILE                  | PROFILE | IN     | OUT      | TOTAL     |           |
|--------------------------|---------|--------|----------|-----------|-----------|
| <input type="checkbox"/> | PoP-CE  | PoP-AP | 0.00 bps | 64.00 bps | 64.00 bps |

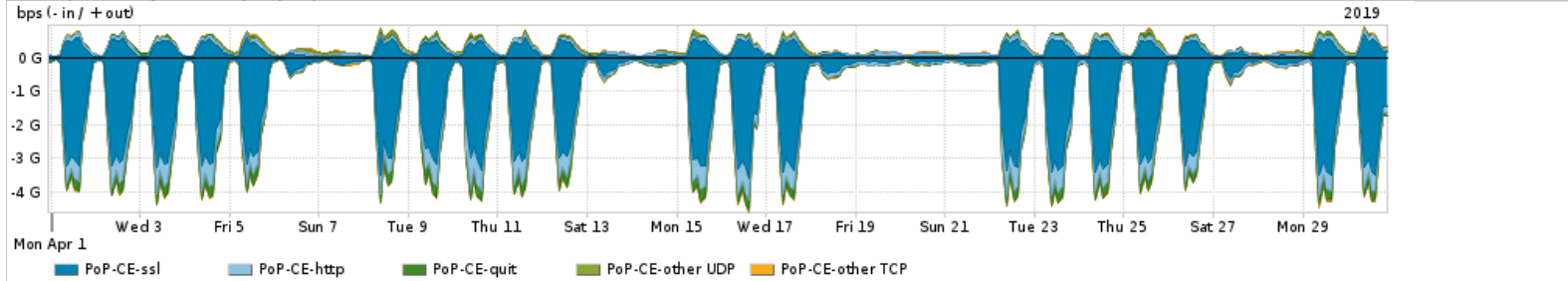
Distribuição do tráfego do PoP-CE por estado, província ou similar



Average | Max | PCT95

| PROFILE                             | REGION                   | IN          | OUT         | TOTAL       |
|-------------------------------------|--------------------------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | PoP-CE Pernambuco        | 328.21 Mbps | 6.09 Mbps   | 334.30 Mbps |
| <input checked="" type="checkbox"/> | PoP-CE California        | 154.05 Mbps | 81.48 Mbps  | 235.53 Mbps |
| <input checked="" type="checkbox"/> | PoP-CE Washington        | 38.71 Mbps  | 7.39 Mbps   | 46.10 Mbps  |
| <input checked="" type="checkbox"/> | PoP-CE Delaware          | 30.41 Mbps  | 716.50 Kbps | 31.13 Mbps  |
| <input checked="" type="checkbox"/> | PoP-CE Ceara             | 17.71 Mbps  | 8.36 Mbps   | 26.07 Mbps  |
| <input type="checkbox"/>            | PoP-CE Sao Paulo         | 14.96 Mbps  | 8.66 Mbps   | 23.62 Mbps  |
| <input type="checkbox"/>            | PoP-CE Massachusetts     | 19.88 Mbps  | 830.34 Kbps | 20.71 Mbps  |
| <input type="checkbox"/>            | PoP-CE Rio de Janeiro    | 14.67 Mbps  | 2.62 Mbps   | 17.29 Mbps  |
| <input type="checkbox"/>            | PoP-CE Virginia          | 13.04 Mbps  | 3.58 Mbps   | 16.62 Mbps  |
| <input type="checkbox"/>            | PoP-CE Alabama           | 18.47 Kbps  | 5.15 Mbps   | 5.17 Mbps   |
| <input type="checkbox"/>            | PoP-CE Florida           | 4.06 Mbps   | 313.12 Kbps | 4.37 Mbps   |
| <input type="checkbox"/>            | PoP-CE Texas             | 3.05 Mbps   | 628.77 Kbps | 3.68 Mbps   |
| <input type="checkbox"/>            | PoP-CE Arizona           | 3.49 Mbps   | 137.53 Kbps | 3.63 Mbps   |
| <input type="checkbox"/>            | PoP-CE Maryland          | 3.02 Mbps   | 41.09 Kbps  | 3.06 Mbps   |
| <input type="checkbox"/>            | PoP-CE Rio Grande do Sul | 787.98 Kbps | 1.53 Mbps   | 2.32 Mbps   |

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

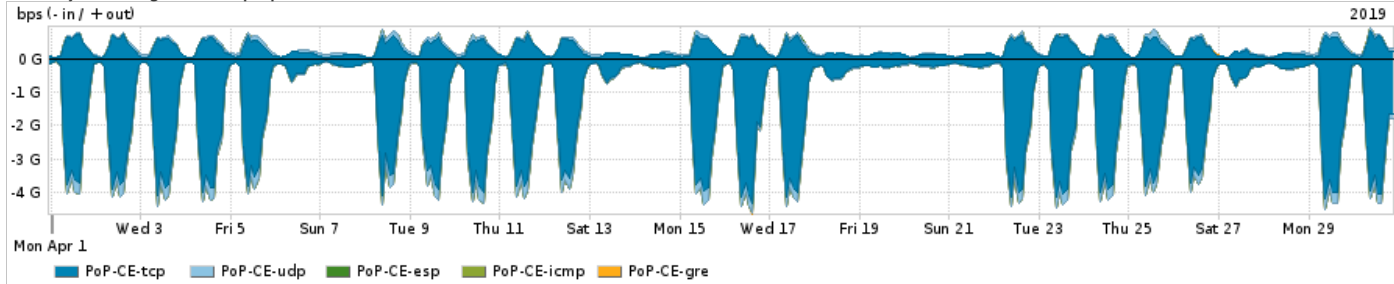


Average | Max | PCT95

| PROFILE                             | APPLICATION | IN          | OUT         | TOTAL       |
|-------------------------------------|-------------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | PoP-CE ssl  | 1.12 Gbps   | 187.11 Mbps | 1.31 Gbps   |
| <input checked="" type="checkbox"/> | PoP-CE http | 232.36 Mbps | 70.74 Mbps  | 303.11 Mbps |

|                                     | PROFILE | APPLICATION | IN          | OUT         | TOTAL       |
|-------------------------------------|---------|-------------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | PoP-CE  | quit        | 89.87 Mbps  | 14.97 Mbps  | 104.83 Mbps |
| <input checked="" type="checkbox"/> | PoP-CE  | other UDP   | 12.64 Mbps  | 28.68 Mbps  | 41.32 Mbps  |
| <input checked="" type="checkbox"/> | PoP-CE  | other TCP   | 17.48 Mbps  | 11.47 Mbps  | 28.95 Mbps  |
| <input type="checkbox"/>            | PoP-CE  | stun        | 2.76 Mbps   | 1.82 Mbps   | 4.58 Mbps   |
| <input type="checkbox"/>            | PoP-CE  | ssh         | 2.68 Mbps   | 514.28 Kbps | 3.19 Mbps   |
| <input type="checkbox"/>            | PoP-CE  | dns         | 1.92 Mbps   | 662.88 Kbps | 2.58 Mbps   |
| <input type="checkbox"/>            | PoP-CE  | xmpp        | 1.04 Mbps   | 910.05 Kbps | 1.95 Mbps   |
| <input type="checkbox"/>            | PoP-CE  | ldap        | 126.66 Kbps | 1.27 Mbps   | 1.39 Mbps   |

Distribuição do tráfego do PoP-CE por protocolo



Average | Max | PCT95

|                                     | PROFILE | PROTOCOL  | IN          | OUT         | TOTAL       |
|-------------------------------------|---------|-----------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | PoP-CE  | tcp       | 1.38 Gbps   | 272.72 Mbps | 1.65 Gbps   |
| <input checked="" type="checkbox"/> | PoP-CE  | udp       | 107.78 Mbps | 47.79 Mbps  | 155.57 Mbps |
| <input checked="" type="checkbox"/> | PoP-CE  | esp       | 143.26 Kbps | 147.54 Kbps | 290.80 Kbps |
| <input checked="" type="checkbox"/> | PoP-CE  | icmp      | 86.62 Kbps  | 156.65 Kbps | 243.27 Kbps |
| <input checked="" type="checkbox"/> | PoP-CE  | gre       | 63.55 Kbps  | 119.42 Kbps | 182.97 Kbps |
| <input type="checkbox"/>            | PoP-CE  | ipv6-icmp | 1.24 Kbps   | 65.29 Kbps  | 66.53 Kbps  |
| <input type="checkbox"/>            | PoP-CE  | ipv6      | 1.73 Kbps   | 657.00 bps  | 2.39 Kbps   |
| <input type="checkbox"/>            | PoP-CE  | sctp      | 453.00 bps  | 0.00 bps    | 453.00 bps  |
| <input type="checkbox"/>            | PoP-CE  | 165       | 0.00 bps    | 0.00 bps    | 0.00 bps    |
| <input type="checkbox"/>            | PoP-CE  | 253       | 0.00 bps    | 0.00 bps    | 0.00 bps    |

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