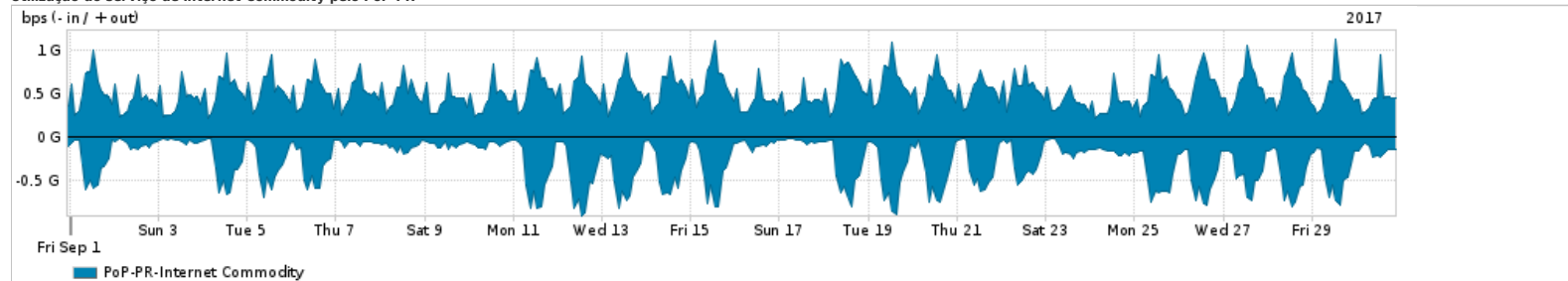


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).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

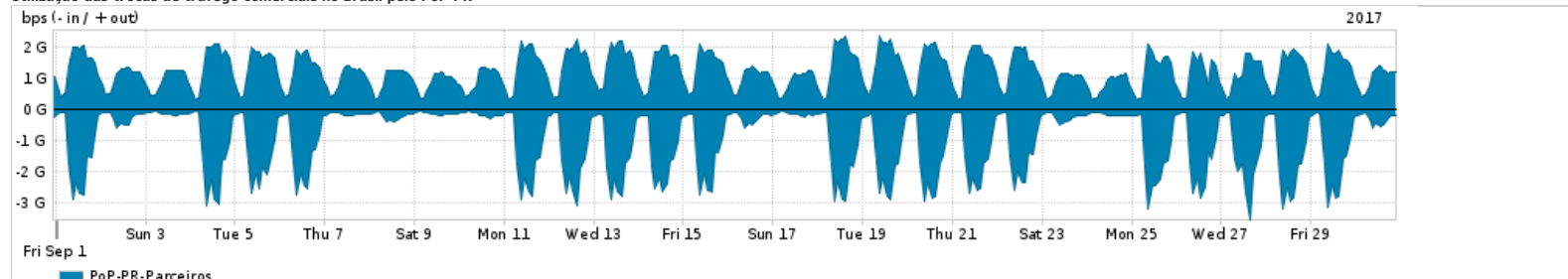
Legenda:
 PoP - Ponto de presença da RNP
 Parceiros - Provedores comerciais que a RNP mantém acordos de troca de tráfego
 Internet Acadêmica - Acesso às redes acadêmicas internacionais, serviço atualmente provido pela RedClara
 Internet commodity - Acesso pago à Internet global que é oferecido pela RNP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



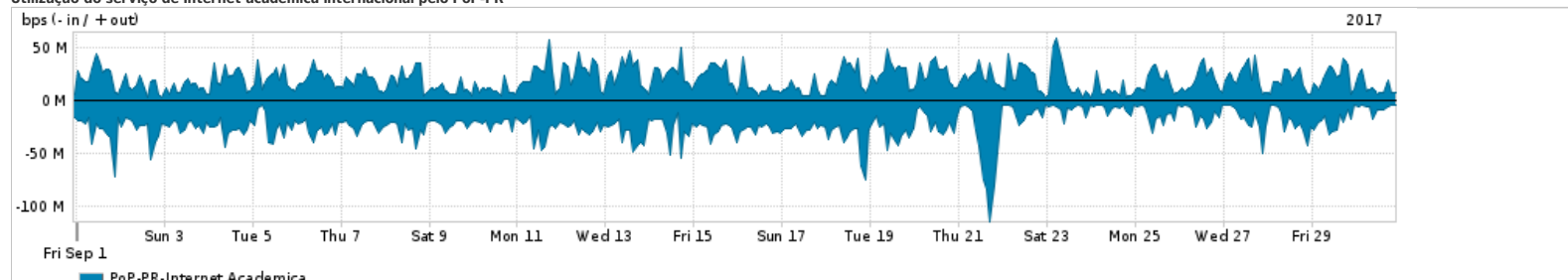
| PROFILE | PROFILE | IN | OUT | TOTAL | |
|---------|---------|--------------------|-------------|-------------|-------------|
| X | PoP-PR | Internet Commodity | 290.09 Mbps | 508.98 Mbps | 799.07 Mbps |

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



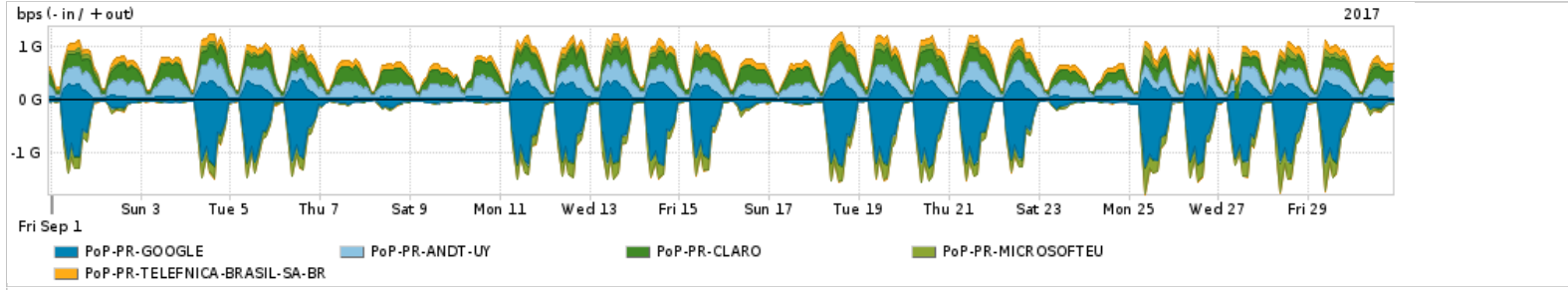
| PROFILE | PROFILE | IN | OUT | TOTAL | |
|---------|---------|-----------|-------------|-----------|-----------|
| X | PoP-PR | Parceiros | 976.15 Mbps | 1.19 Gbps | 2.17 Gbps |

Utilização do serviço de Internet acadêmica internacional pelo PoP-PR



| PROFILE | PROFILE | IN | OUT | TOTAL | |
|---------|---------|--------------------|------------|------------|------------|
| X | PoP-PR | Internet Acadêmica | 22.63 Mbps | 20.00 Mbps | 42.63 Mbps |

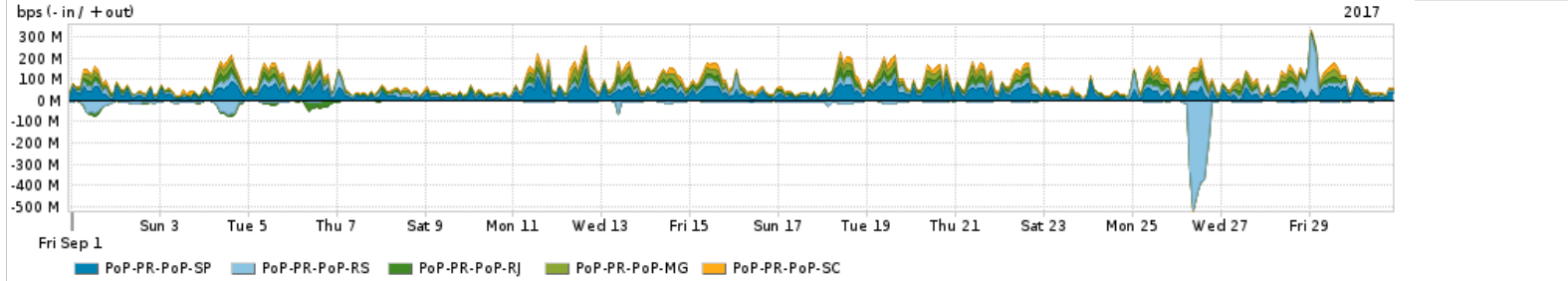
Redes (AS's de origem) mais acessadas pelo PoP-PR



Average | Max | PCT95

| PROFILE | AS NAME | ASN | IN | OUT | TOTAL | |
|-------------------------------------|---------|-------------------------|-------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | PoP-PR | GOOGLE | 15169 | 373.54 Mbps | 125.84 Mbps | 499.38 Mbps |
| <input checked="" type="checkbox"/> | PoP-PR | ANDT-UY | 6057 | 5.68 Mbps | 226.53 Mbps | 232.22 Mbps |
| <input checked="" type="checkbox"/> | PoP-PR | CLARO | 28573 | 10.24 Mbps | 193.47 Mbps | 203.71 Mbps |
| <input checked="" type="checkbox"/> | PoP-PR | MICROSOFTEU | 8068 | 87.78 Mbps | 27.59 Mbps | 115.37 Mbps |
| <input checked="" type="checkbox"/> | PoP-PR | TELEFONICA-BRASIL-SA-BR | 27699 | 7.38 Mbps | 90.29 Mbps | 97.67 Mbps |
| <input type="checkbox"/> | PoP-PR | TNLSA-BR | 7738 | 2.21 Mbps | 75.12 Mbps | 77.33 Mbps |
| <input type="checkbox"/> | PoP-PR | NETFLIX | 2906 | 72.04 Mbps | 589.37 Kbps | 72.63 Mbps |
| <input type="checkbox"/> | PoP-PR | NULL | 0 | 1.23 Mbps | 70.23 Mbps | 71.46 Mbps |
| <input type="checkbox"/> | PoP-PR | AMAZON-02 | 16509 | 27.59 Mbps | 32.61 Mbps | 60.20 Mbps |
| <input type="checkbox"/> | PoP-PR | FACEBOOK | 32934 | 53.47 Mbps | 4.02 Mbps | 57.49 Mbps |

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

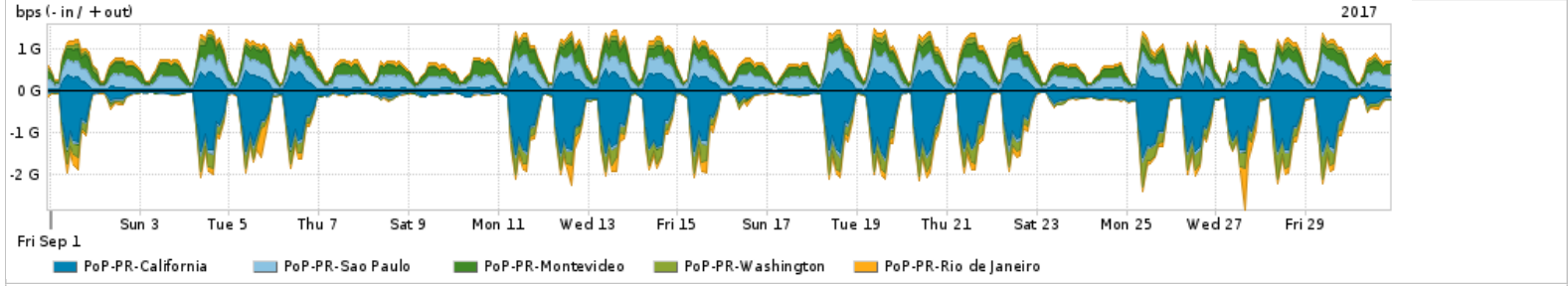


Average | Max | PCT95

| PROFILE | PROFILE | IN | OUT | TOTAL | |
|-------------------------------------|---------|--------|-------------|------------|------------|
| <input checked="" type="checkbox"/> | PoP-PR | PoP-SP | 598.39 Kbps | 32.79 Mbps | 33.39 Mbps |
| <input checked="" type="checkbox"/> | PoP-PR | PoP-RS | 12.99 Mbps | 13.64 Mbps | 26.63 Mbps |
| <input checked="" type="checkbox"/> | PoP-PR | PoP-RJ | 1.21 Mbps | 12.25 Mbps | 13.45 Mbps |
| <input checked="" type="checkbox"/> | PoP-PR | PoP-MG | 12.00 bps | 12.57 Mbps | 12.57 Mbps |
| <input checked="" type="checkbox"/> | PoP-PR | PoP-SC | 20.07 Kbps | 12.09 Mbps | 12.11 Mbps |
| <input type="checkbox"/> | PoP-PR | PoP-DF | 33.00 bps | 8.37 Mbps | 8.37 Mbps |
| <input type="checkbox"/> | PoP-PR | PoP-CE | 0.00 bps | 7.31 Mbps | 7.31 Mbps |
| <input type="checkbox"/> | PoP-PR | PoP-PA | 2.00 bps | 5.86 Mbps | 5.86 Mbps |
| <input type="checkbox"/> | PoP-PR | PoP-GO | 62.00 bps | 5.57 Mbps | 5.57 Mbps |

| PROFILE | PROFILE | IN | OUT | TOTAL |
|--------------------------|---------|--------|----------|-----------|
| <input type="checkbox"/> | PoP-PR | PoP-BA | 0.00 bps | 5.21 Mbps |

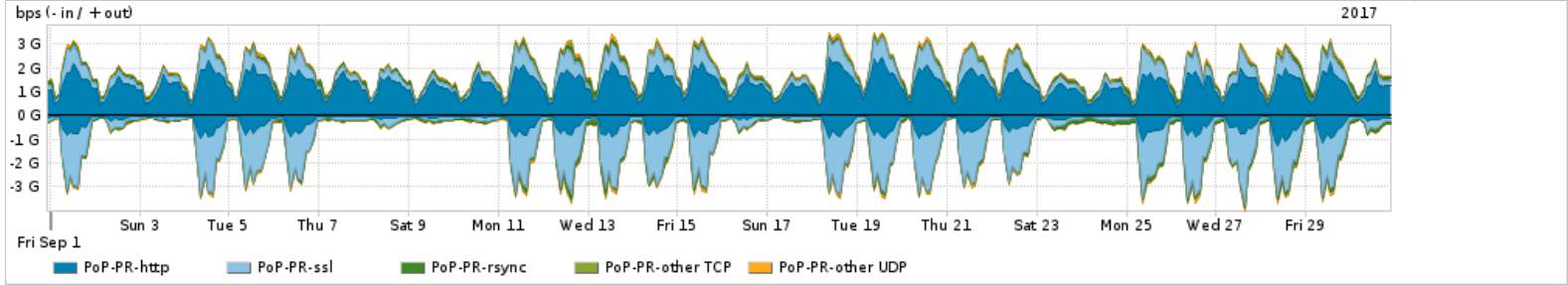
Distribuição do tráfego do PoP-PR por estado, província ou similar



Average | Max | PCT95

| PROFILE | REGION | IN | OUT | TOTAL | |
|-------------------------------------|--------|----------------------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | PoP-PR | California | 475.47 Mbps | 170.97 Mbps | 646.45 Mbps |
| <input checked="" type="checkbox"/> | PoP-PR | Sao Paulo | 29.24 Mbps | 248.09 Mbps | 277.33 Mbps |
| <input checked="" type="checkbox"/> | PoP-PR | Montevideo | 4.33 Mbps | 206.64 Mbps | 210.97 Mbps |
| <input checked="" type="checkbox"/> | PoP-PR | Washington | 114.95 Mbps | 37.28 Mbps | 152.23 Mbps |
| <input checked="" type="checkbox"/> | PoP-PR | Rio de Janeiro | 64.23 Mbps | 70.56 Mbps | 134.79 Mbps |
| <input type="checkbox"/> | PoP-PR | Delaware | 72.39 Mbps | 797.55 Kbps | 73.19 Mbps |
| <input type="checkbox"/> | PoP-PR | Massachusetts | 43.46 Mbps | 13.30 Mbps | 56.75 Mbps |
| <input type="checkbox"/> | PoP-PR | Rio Grande do Sul | 1.97 Mbps | 46.93 Mbps | 48.90 Mbps |
| <input type="checkbox"/> | PoP-PR | Zhejiang | 1.18 Mbps | 43.56 Mbps | 44.75 Mbps |
| <input type="checkbox"/> | PoP-PR | Distrito Federal | 968.09 Kbps | 43.05 Mbps | 44.02 Mbps |
| <input type="checkbox"/> | PoP-PR | Minas Gerais | 2.04 Mbps | 39.99 Mbps | 42.03 Mbps |
| <input type="checkbox"/> | PoP-PR | Virginia | 16.66 Mbps | 24.19 Mbps | 40.85 Mbps |
| <input type="checkbox"/> | PoP-PR | Buenos Aires | 475.88 Kbps | 30.65 Mbps | 31.13 Mbps |
| <input type="checkbox"/> | PoP-PR | Region Metropolitana | 620.82 Kbps | 28.89 Mbps | 29.51 Mbps |
| <input type="checkbox"/> | PoP-PR | Parana | 16.76 Mbps | 12.56 Mbps | 29.32 Mbps |

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

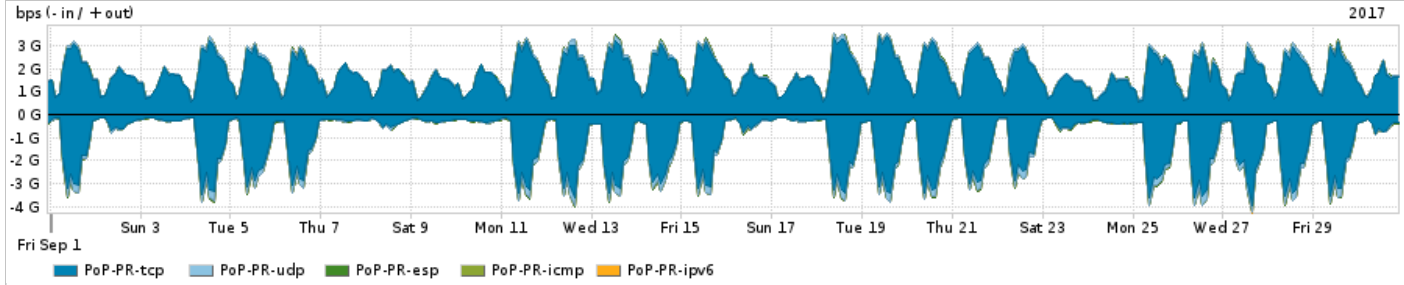


Average | Max | PCT95

| PROFILE | APPLICATION | IN | OUT | TOTAL | |
|-------------------------------------|-------------|------|-------------|-------------|-----------|
| <input checked="" type="checkbox"/> | PoP-PR | http | 304.86 Mbps | 1.27 Gbps | 1.57 Gbps |
| <input checked="" type="checkbox"/> | PoP-PR | ssl | 749.78 Mbps | 378.67 Mbps | 1.13 Gbps |

| | PROFILE | APPLICATION | IN | OUT | TOTAL |
|-------------------------------------|---------|-------------|-------------|------------|-------------|
| <input checked="" type="checkbox"/> | PoP-PR | rsync | 72.03 Mbps | 70.11 Mbps | 142.14 Mbps |
| <input checked="" type="checkbox"/> | PoP-PR | other TCP | 37.24 Mbps | 65.49 Mbps | 102.74 Mbps |
| <input checked="" type="checkbox"/> | PoP-PR | other UDP | 37.20 Mbps | 55.70 Mbps | 92.89 Mbps |
| <input type="checkbox"/> | PoP-PR | quit | 74.20 Mbps | 12.40 Mbps | 86.60 Mbps |
| <input type="checkbox"/> | PoP-PR | dns | 2.16 Mbps | 5.70 Mbps | 7.85 Mbps |
| <input type="checkbox"/> | PoP-PR | qq | 775.35 Kbps | 5.95 Mbps | 6.72 Mbps |
| <input type="checkbox"/> | PoP-PR | smtp | 2.66 Mbps | 3.52 Mbps | 6.18 Mbps |
| <input type="checkbox"/> | PoP-PR | ldap | 277.50 Kbps | 4.46 Mbps | 4.74 Mbps |

Distribuição do tráfego do PoP-PR por protocolo



Average | Max | PCT95

| | PROFILE | PROTOCOL | IN | OUT | TOTAL |
|-------------------------------------|---------|------------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | PoP-PR | tcp | 1.17 Gbps | 1.80 Gbps | 2.97 Gbps |
| <input checked="" type="checkbox"/> | PoP-PR | udp | 115.03 Mbps | 79.58 Mbps | 194.62 Mbps |
| <input checked="" type="checkbox"/> | PoP-PR | esp | 15.85 Mbps | 6.17 Mbps | 22.02 Mbps |
| <input checked="" type="checkbox"/> | PoP-PR | icmp | 315.78 Kbps | 698.65 Kbps | 1.01 Mbps |
| <input checked="" type="checkbox"/> | PoP-PR | ipv6 | 106.05 Kbps | 138.99 Kbps | 245.05 Kbps |
| <input type="checkbox"/> | PoP-PR | gre | 125.97 Kbps | 100.91 Kbps | 226.88 Kbps |
| <input type="checkbox"/> | PoP-PR | ipv6-icmp | 36.61 Kbps | 54.28 Kbps | 90.89 Kbps |
| <input type="checkbox"/> | PoP-PR | ipv6-nonxt | 19.00 bps | 0.00 bps | 19.00 bps |
| <input type="checkbox"/> | PoP-PR | rsvp | 5.00 bps | 0.00 bps | 5.00 bps |
| <input type="checkbox"/> | PoP-PR | dcn | 0.00 bps | 0.00 bps | 0.00 bps |

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