

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

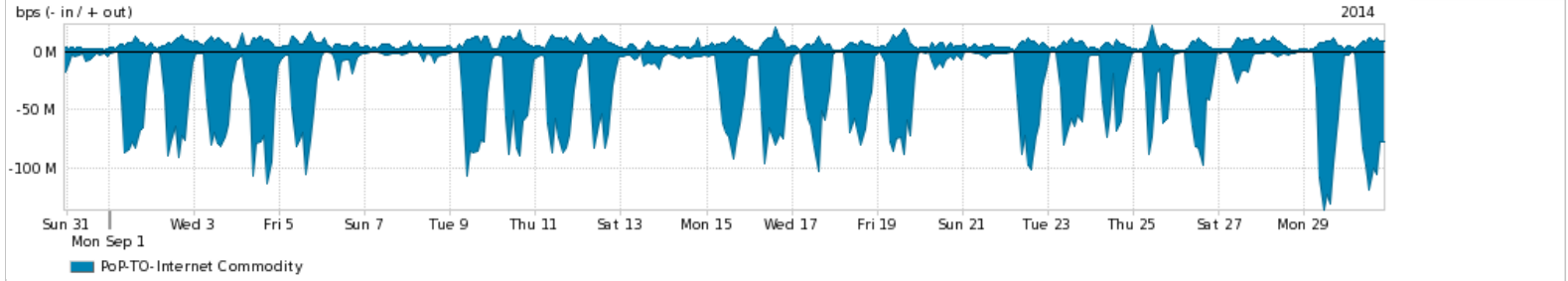
Internet Acadêmica - Acesso às redes acadêmicas internacionais, serviço atualmente provido pela RedClara

Internet commodity - Acesso pago à Internet global que é oferecido gratuitamente 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)

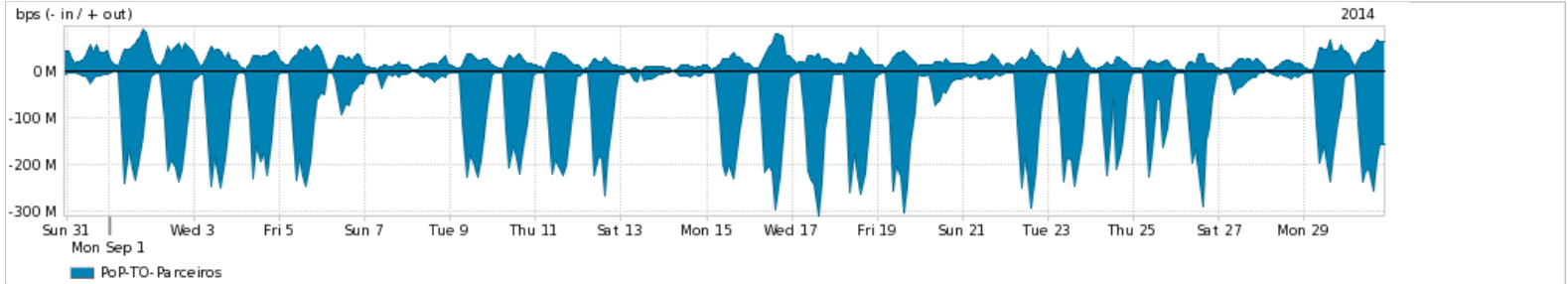
Utilização do serviço de Internet Commodity pelo PoP-TO



Average | Max | PCT95

| PROFILE | PROFILE | IN | OUT | TOTAL | |
|-------------------------------------|---------|--------------------|------------|-----------|------------|
| <input checked="" type="checkbox"/> | PoP-TO | Internet Commodity | 31.77 Mbps | 5.93 Mbps | 37.70 Mbps |

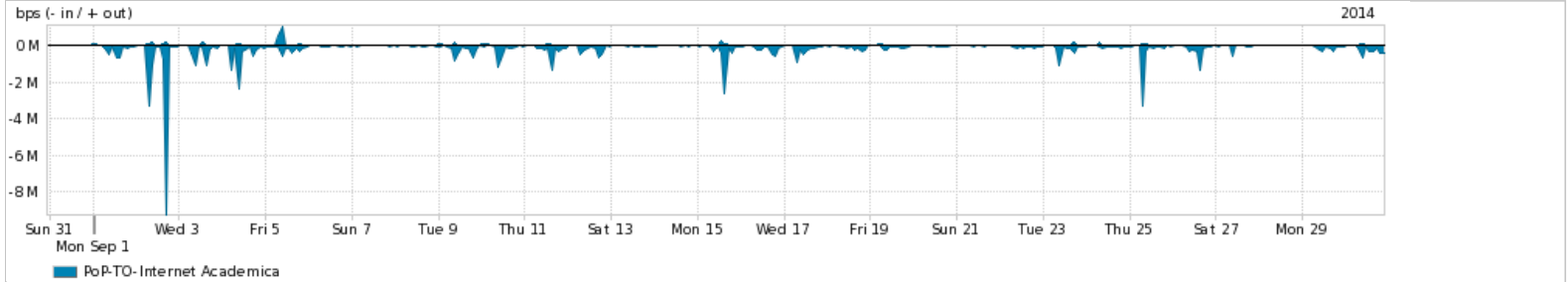
Utilização das trocas de tráfego comerciais no Brasil pelo PoP-TO



Average | Max | PCT95

| PROFILE | PROFILE | IN | OUT | TOTAL | |
|-------------------------------------|---------|-----------|------------|------------|-------------|
| <input checked="" type="checkbox"/> | PoP-TO | Parceiros | 81.70 Mbps | 23.86 Mbps | 105.56 Mbps |

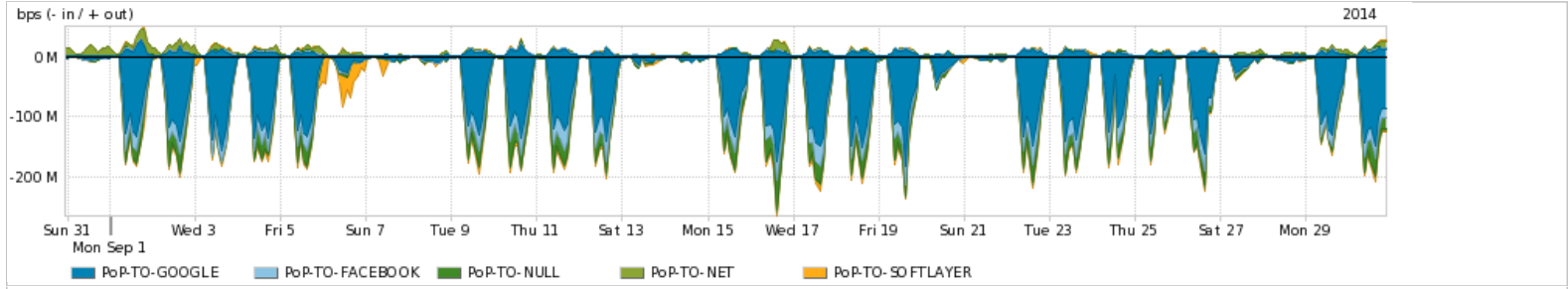
Utilização do serviço de Internet acadêmica internacional pelo PoP-TO



Average | Max | PCT95

| PROFILE | PROFILE | IN | OUT | TOTAL | |
|-------------------------------------|---------|--------------------|-------------|------------|-------------|
| <input checked="" type="checkbox"/> | PoP-TO | Internet Acadêmica | 169.52 Kbps | 21.48 Kbps | 190.99 Kbps |

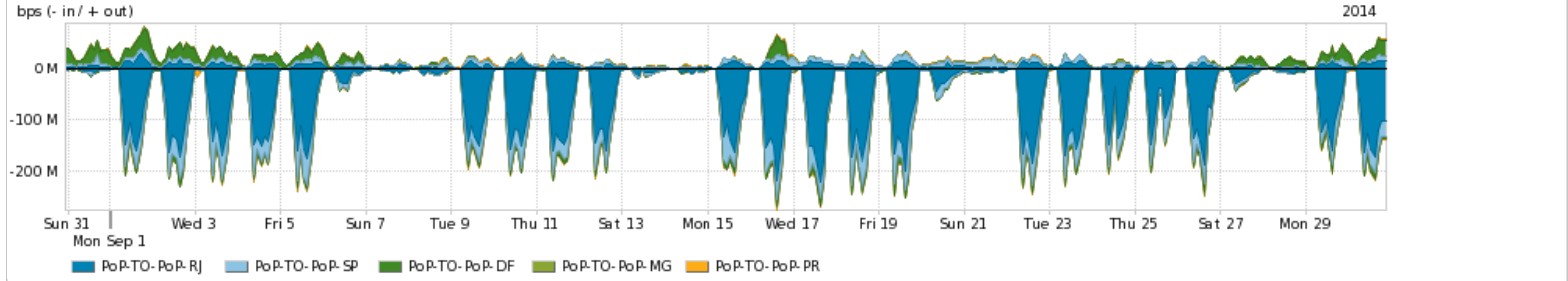
Redes (AS's de origem) mais acessadas pelo PoP-TO



Average | Max | PCT95

| PROFILE | AS NAME | ASN | IN | OUT | TOTAL | |
|-------------------------------------|---------|-------------|-------|-------------|-------------|------------|
| <input checked="" type="checkbox"/> | PoP-TO | GOOGLE | 15169 | 43.35 Mbps | 3.65 Mbps | 47.00 Mbps |
| <input checked="" type="checkbox"/> | PoP-TO | FACEBOOK | 32934 | 8.84 Mbps | 662.75 Kbps | 9.50 Mbps |
| <input checked="" type="checkbox"/> | PoP-TO | NULL | 0 | 8.33 Mbps | 358.68 Kbps | 8.68 Mbps |
| <input type="checkbox"/> | PoP-TO | QWEST-US | 209 | 5.62 Mbps | 127.83 Kbps | 5.74 Mbps |
| <input type="checkbox"/> | PoP-TO | AKAMAI-ASN1 | 20940 | 3.80 Mbps | 281.22 Kbps | 4.08 Mbps |
| <input type="checkbox"/> | PoP-TO | DCLUX | 24611 | 3.92 Mbps | 97.83 Kbps | 4.02 Mbps |
| <input checked="" type="checkbox"/> | PoP-TO | NET | 28573 | 859.69 Kbps | 2.70 Mbps | 3.56 Mbps |
| <input checked="" type="checkbox"/> | PoP-TO | SOFTLAYER | 36351 | 3.20 Mbps | 294.41 Kbps | 3.49 Mbps |
| <input type="checkbox"/> | PoP-TO | AMAZON-AES | 14618 | 901.56 Kbps | 2.49 Mbps | 3.39 Mbps |
| <input type="checkbox"/> | PoP-TO | GVT | 18881 | 507.85 Kbps | 2.48 Mbps | 2.99 Mbps |

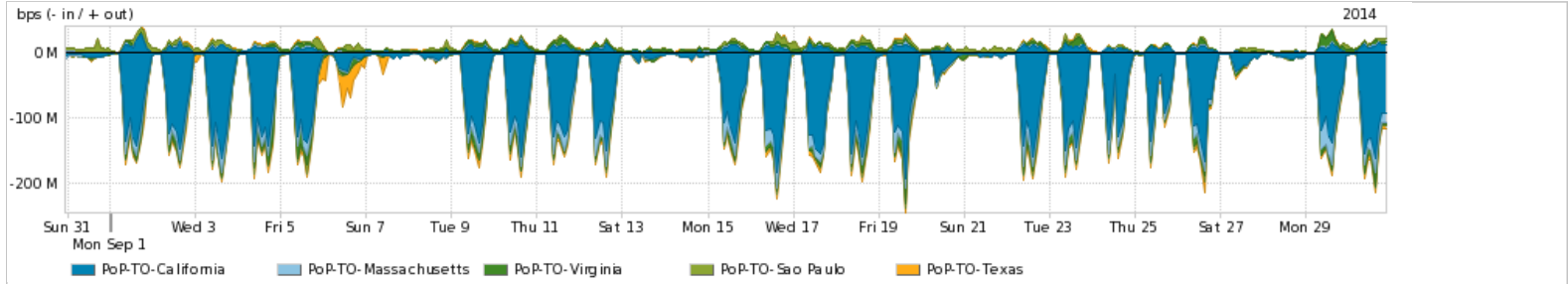
Interesse de tráfego do PoP-TO com os outros PoPs da RNP



Average | Max | PCT95

| PROFILE | PROFILE | IN | OUT | TOTAL | |
|-------------------------------------|---------|--------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | PoP-TO | PoP-RJ | 52.94 Mbps | 5.38 Mbps | 58.33 Mbps |
| <input checked="" type="checkbox"/> | PoP-TO | PoP-SP | 15.63 Mbps | 5.48 Mbps | 21.11 Mbps |
| <input checked="" type="checkbox"/> | PoP-TO | PoP-DF | 3.62 Mbps | 5.78 Mbps | 9.39 Mbps |
| <input checked="" type="checkbox"/> | PoP-TO | PoP-MG | 318.21 Kbps | 1.11 Mbps | 1.43 Mbps |
| <input checked="" type="checkbox"/> | PoP-TO | PoP-PR | 1.02 Mbps | 361.81 Kbps | 1.38 Mbps |
| <input type="checkbox"/> | PoP-TO | PoP-RS | 382.44 Kbps | 195.45 Kbps | 577.90 Kbps |
| <input type="checkbox"/> | PoP-TO | PoP-CE | 106.76 Kbps | 375.60 Kbps | 482.35 Kbps |
| <input type="checkbox"/> | PoP-TO | PoP-SC | 98.19 Kbps | 131.19 Kbps | 229.38 Kbps |
| <input type="checkbox"/> | PoP-TO | PoP-PA | 63.33 Kbps | 97.17 Kbps | 160.50 Kbps |
| <input type="checkbox"/> | PoP-TO | PoP-RN | 34.57 Kbps | 111.16 Kbps | 145.73 Kbps |

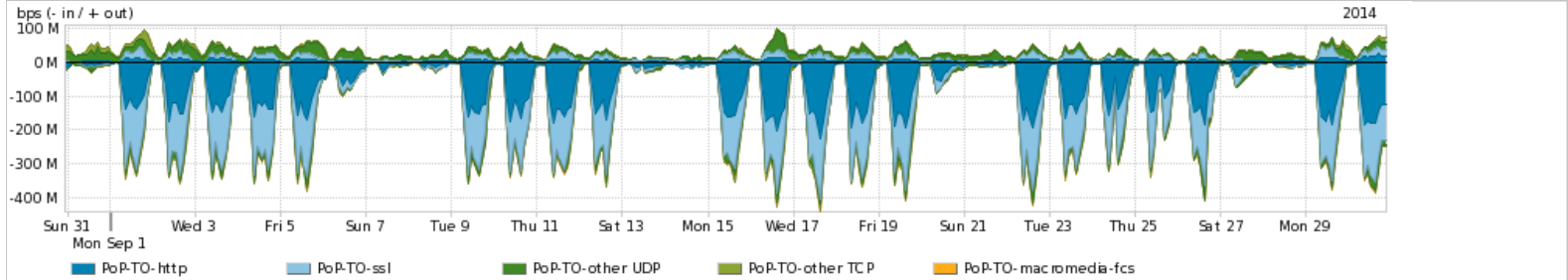
Distribuição do tráfego do PoP-TO por estado, província ou similar



Average | Max | PCT95

| PROFILE | REGION | IN | OUT | TOTAL | |
|-------------------------------------|--------|-------------------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | PoP-TO | California | 46.13 Mbps | 4.20 Mbps | 50.32 Mbps |
| <input checked="" type="checkbox"/> | PoP-TO | Massachusetts | 6.34 Mbps | 394.82 Kbps | 6.73 Mbps |
| <input checked="" type="checkbox"/> | PoP-TO | Virginia | 3.32 Mbps | 2.51 Mbps | 5.84 Mbps |
| <input checked="" type="checkbox"/> | PoP-TO | Sao Paulo | 1.56 Mbps | 3.09 Mbps | 4.66 Mbps |
| <input checked="" type="checkbox"/> | PoP-TO | Texas | 3.34 Mbps | 352.10 Kbps | 3.69 Mbps |
| <input type="checkbox"/> | PoP-TO | Washington | 1.57 Mbps | 492.36 Kbps | 2.07 Mbps |
| <input type="checkbox"/> | PoP-TO | Rio de Janeiro | 471.49 Kbps | 1.24 Mbps | 1.71 Mbps |
| <input type="checkbox"/> | PoP-TO | Florida | 1.54 Mbps | 144.63 Kbps | 1.68 Mbps |
| <input type="checkbox"/> | PoP-TO | Arizona | 1.45 Mbps | 66.84 Kbps | 1.52 Mbps |
| <input type="checkbox"/> | PoP-TO | Parana | 358.51 Kbps | 720.66 Kbps | 1.08 Mbps |
| <input type="checkbox"/> | PoP-TO | Minas Gerais | 205.34 Kbps | 810.36 Kbps | 1.02 Mbps |
| <input type="checkbox"/> | PoP-TO | Distrito Federal | 506.24 Kbps | 477.23 Kbps | 983.47 Kbps |
| <input type="checkbox"/> | PoP-TO | Delaware | 712.79 Kbps | 14.77 Kbps | 727.56 Kbps |
| <input type="checkbox"/> | PoP-TO | Illinois | 675.94 Kbps | 37.97 Kbps | 713.91 Kbps |
| <input type="checkbox"/> | PoP-TO | Rio Grande do Sul | 211.59 Kbps | 433.54 Kbps | 645.13 Kbps |

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

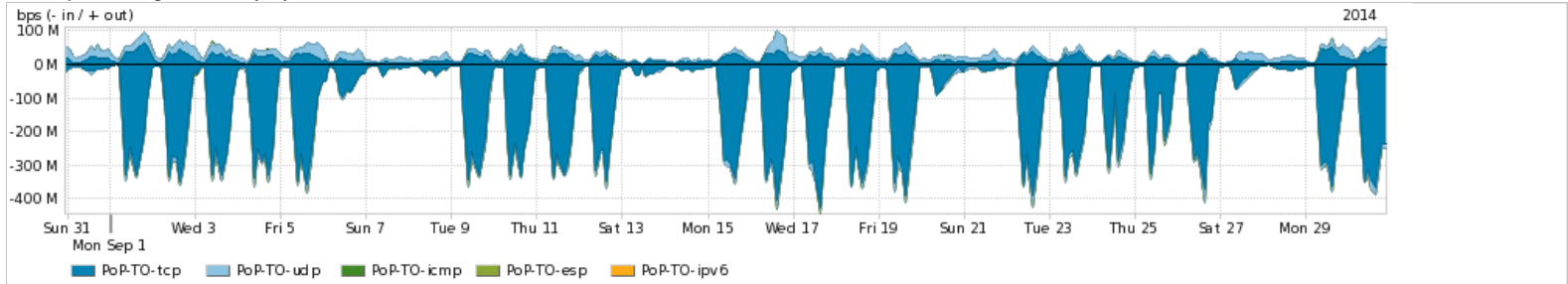


Average | Max | PCT95

| PROFILE | APPLICATION | IN | OUT | TOTAL | |
|-------------------------------------|-------------|----------------|-------------|------------|-------------|
| <input checked="" type="checkbox"/> | PoP-TO | http | 58.97 Mbps | 4.38 Mbps | 63.35 Mbps |
| <input checked="" type="checkbox"/> | PoP-TO | ssl | 53.17 Mbps | 7.72 Mbps | 60.89 Mbps |
| <input checked="" type="checkbox"/> | PoP-TO | other UDP | 6.96 Mbps | 13.47 Mbps | 20.43 Mbps |
| <input checked="" type="checkbox"/> | PoP-TO | other TCP | 3.32 Mbps | 3.71 Mbps | 7.03 Mbps |
| <input checked="" type="checkbox"/> | PoP-TO | macromedia-fcs | 641.42 Kbps | 16.44 Kbps | 657.85 Kbps |

| PROFILE | APPLICATION | IN | OUT | TOTAL | |
|--------------------------|-------------|------------|-------------|-------------|-------------|
| <input type="checkbox"/> | PoP-TO | dns | 128.03 Kbps | 365.07 Kbps | 493.10 Kbps |
| <input type="checkbox"/> | PoP-TO | bittorrent | 137.08 Kbps | 96.72 Kbps | 233.80 Kbps |
| <input type="checkbox"/> | PoP-TO | rdp | 139.05 Kbps | 61.18 Kbps | 200.23 Kbps |
| <input type="checkbox"/> | PoP-TO | ntp | 4.01 Kbps | 192.62 Kbps | 196.63 Kbps |
| <input type="checkbox"/> | PoP-TO | imap | 70.41 Kbps | 69.41 Kbps | 139.81 Kbps |

Distribuição do tráfego do PoP-TO por protocolo



Average | Max | PCT95

| PROFILE | PROTOCOL | IN | OUT | TOTAL | |
|-------------------------------------|----------|-----------|-------------|------------|-------------|
| <input checked="" type="checkbox"/> | PoP-TO | tcp | 116.56 Mbps | 16.25 Mbps | 132.81 Mbps |
| <input checked="" type="checkbox"/> | PoP-TO | udp | 7.09 Mbps | 14.03 Mbps | 21.13 Mbps |
| <input checked="" type="checkbox"/> | PoP-TO | icmp | 69.50 Kbps | 94.27 Kbps | 163.77 Kbps |
| <input type="checkbox"/> | PoP-TO | gre | 21.57 Kbps | 1.76 Kbps | 23.32 Kbps |
| <input checked="" type="checkbox"/> | PoP-TO | esp | 3.84 Kbps | 489.00 bps | 4.32 Kbps |
| <input checked="" type="checkbox"/> | PoP-TO | ipv6 | 27.00 bps | 60.00 bps | 87.00 bps |
| <input type="checkbox"/> | PoP-TO | ipv6-icmp | 0.00 bps | 0.00 bps | 0.00 bps |

For assistance with this product, please contact support@arbornetworks.com.