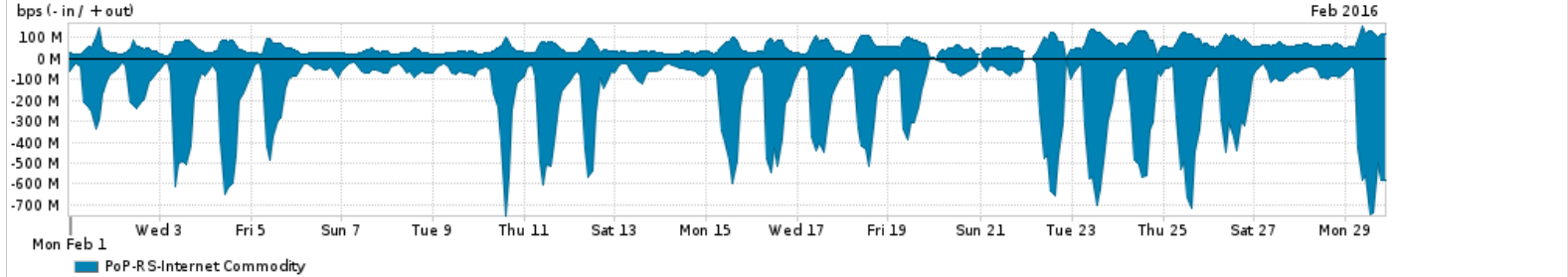


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).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

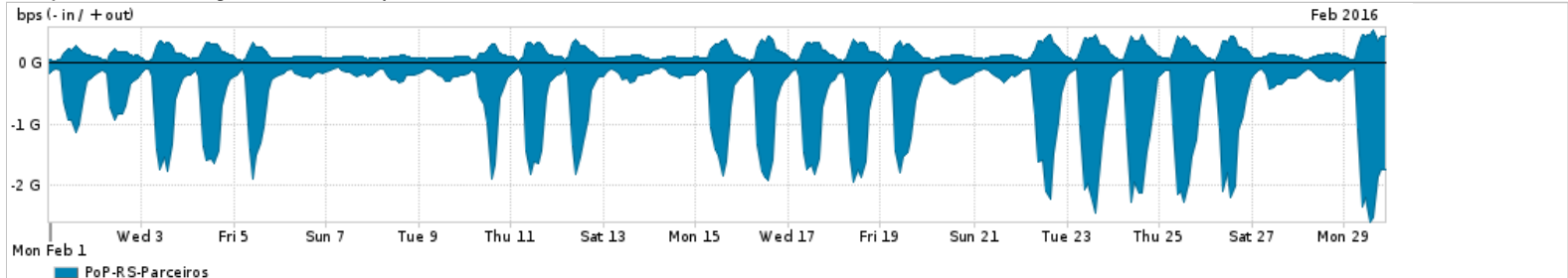
Utilização do serviço de Internet Commodity pelo PoP-RS



Average | Max | PCT95

| PROFILE | PROFILE | IN | OUT | TOTAL | |
|--------------------------|---------|--------------------|-------------|------------|-------------|
| <input type="checkbox"/> | PoP-RS | Internet Commodity | 181.03 Mbps | 53.79 Mbps | 234.83 Mbps |

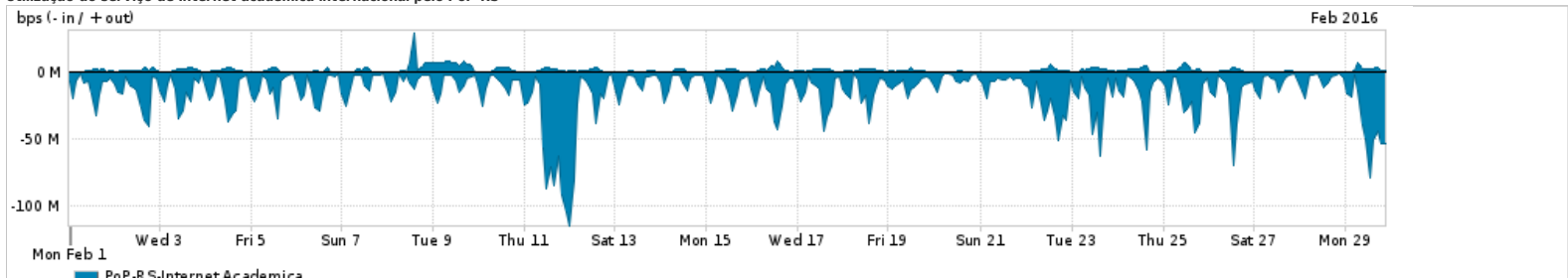
Utilização das trocas de tráfego comerciais no Brasil pelo PoP-RS



Average | Max | PCT95

| PROFILE | PROFILE | IN | OUT | TOTAL | |
|--------------------------|---------|-----------|-------------|-------------|-------------|
| <input type="checkbox"/> | PoP-RS | Parceiros | 636.54 Mbps | 168.53 Mbps | 805.07 Mbps |

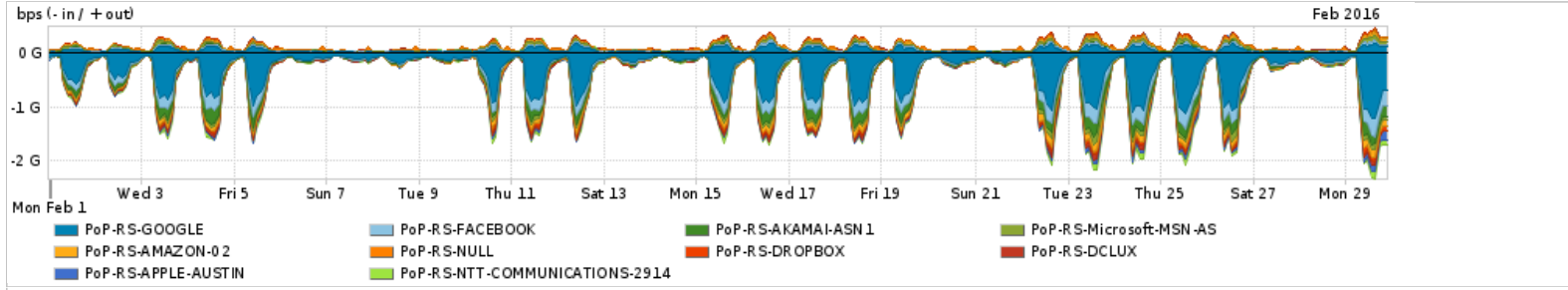
Utilização do serviço de Internet acadêmica internacional pelo PoP-RS



Average | Max | PCT95

| PROFILE | PROFILE | IN | OUT | TOTAL | |
|--------------------------|---------|--------------------|------------|-----------|------------|
| <input type="checkbox"/> | PoP-RS | Internet Acadêmica | 14.72 Mbps | 1.73 Mbps | 16.45 Mbps |

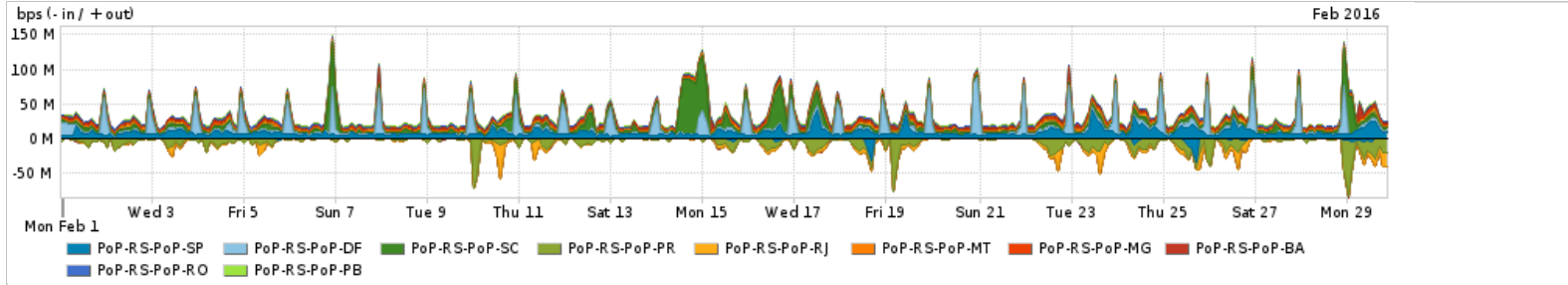
Redes (AS's de origem) mais acessadas pelo PoP-RS



Average | Max | PCT95

| PROFILE | AS NAME | ASN | IN | OUT | TOTAL | |
|--------------------------|---------|-------------------------|-------|-------------|-------------|-------------|
| <input type="checkbox"/> | PoP-RS | GOOGLE | 15169 | 315.88 Mbps | 46.60 Mbps | 362.48 Mbps |
| <input type="checkbox"/> | PoP-RS | FACEBOOK | 32934 | 70.96 Mbps | 10.89 Mbps | 81.86 Mbps |
| <input type="checkbox"/> | PoP-RS | AKAMAI-ASN1 | 20940 | 55.30 Mbps | 2.21 Mbps | 57.51 Mbps |
| <input type="checkbox"/> | PoP-RS | Microsoft-MSN-AS | 8075 | 23.08 Mbps | 22.50 Mbps | 45.58 Mbps |
| <input type="checkbox"/> | PoP-RS | AMAZON-02 | 16509 | 30.85 Mbps | 8.89 Mbps | 39.75 Mbps |
| <input type="checkbox"/> | PoP-RS | NULL | 0 | 2.90 Mbps | 23.36 Mbps | 26.26 Mbps |
| <input type="checkbox"/> | PoP-RS | DROPBOX | 19679 | 15.32 Mbps | 6.77 Mbps | 22.09 Mbps |
| <input type="checkbox"/> | PoP-RS | DCLUX | 24611 | 17.15 Mbps | 1.84 Mbps | 18.99 Mbps |
| <input type="checkbox"/> | PoP-RS | APPLE-AUSTIN | 6185 | 16.26 Mbps | 251.10 Kbps | 16.51 Mbps |
| <input type="checkbox"/> | PoP-RS | NTT-COMMUNICATIONS-2914 | 2914 | 15.84 Mbps | 398.06 Kbps | 16.24 Mbps |

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

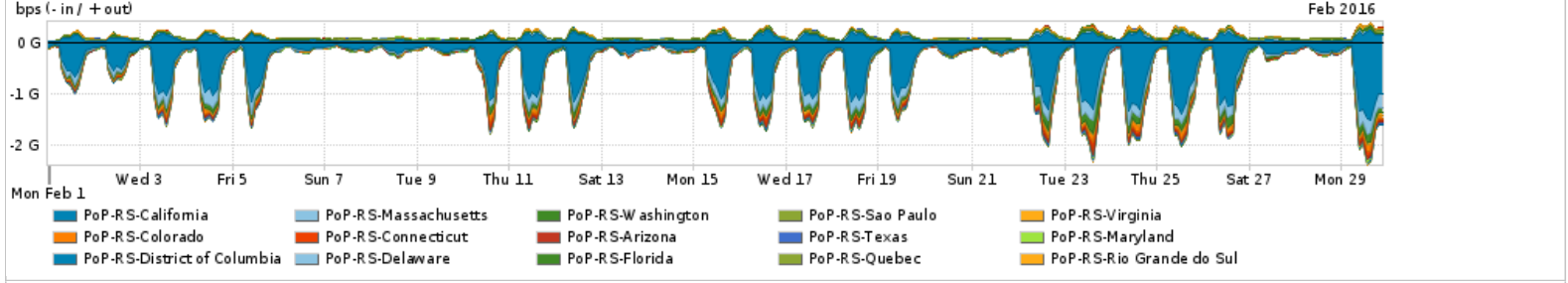


Average | Max | PCT95

| PROFILE | PROFILE | IN | OUT | TOTAL | |
|--------------------------|---------|--------|-------------|-------------|-----------|
| <input type="checkbox"/> | PoP-RS | PoP-SP | 739.24 Kbps | 8.08 Mbps | 8.82 Mbps |
| <input type="checkbox"/> | PoP-RS | PoP-DF | 22.00 bps | 7.88 Mbps | 7.88 Mbps |
| <input type="checkbox"/> | PoP-RS | PoP-SC | 9.68 Kbps | 7.69 Mbps | 7.70 Mbps |
| <input type="checkbox"/> | PoP-RS | PoP-PR | 6.37 Mbps | 314.68 Kbps | 6.69 Mbps |
| <input type="checkbox"/> | PoP-RS | PoP-RJ | 2.12 Mbps | 392.79 Kbps | 2.51 Mbps |
| <input type="checkbox"/> | PoP-RS | PoP-MT | 0.00 bps | 2.20 Mbps | 2.20 Mbps |
| <input type="checkbox"/> | PoP-RS | PoP-MG | 30.00 bps | 2.04 Mbps | 2.04 Mbps |
| <input type="checkbox"/> | PoP-RS | PoP-BA | 65.96 Kbps | 1.91 Mbps | 1.97 Mbps |
| <input type="checkbox"/> | PoP-RS | PoP-RO | 0.00 bps | 1.94 Mbps | 1.94 Mbps |

| PROFILE | PROFILE | IN | OUT | TOTAL |
|--------------------------|---------|--------|----------|-----------|
| <input type="checkbox"/> | PoP-RS | PoP-PB | 6.00 bps | 1.43 Mbps |

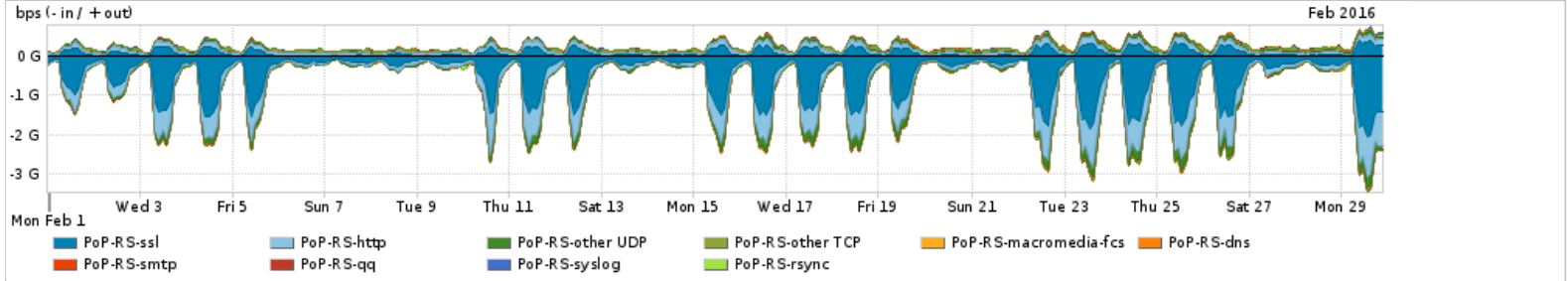
Distribuição do tráfego do PoP-RS por estado, província ou similar



Average | Max | PCT95

| PROFILE | REGION | IN | OUT | TOTAL | |
|--------------------------|--------|----------------------|-------------|-------------|-------------|
| <input type="checkbox"/> | PoP-RS | California | 381.13 Mbps | 60.40 Mbps | 441.53 Mbps |
| <input type="checkbox"/> | PoP-RS | Massachusetts | 65.17 Mbps | 2.94 Mbps | 68.11 Mbps |
| <input type="checkbox"/> | PoP-RS | Washington | 36.64 Mbps | 15.80 Mbps | 52.44 Mbps |
| <input type="checkbox"/> | PoP-RS | Sao Paulo | 4.14 Mbps | 22.15 Mbps | 26.29 Mbps |
| <input type="checkbox"/> | PoP-RS | Virginia | 11.31 Mbps | 7.68 Mbps | 18.99 Mbps |
| <input type="checkbox"/> | PoP-RS | Colorado | 16.41 Mbps | 388.92 Kbps | 16.80 Mbps |
| <input type="checkbox"/> | PoP-RS | Connecticut | 14.53 Mbps | 299.43 Kbps | 14.83 Mbps |
| <input type="checkbox"/> | PoP-RS | Arizona | 12.87 Mbps | 404.39 Kbps | 13.28 Mbps |
| <input type="checkbox"/> | PoP-RS | Texas | 6.17 Mbps | 1.36 Mbps | 7.53 Mbps |
| <input type="checkbox"/> | PoP-RS | Maryland | 5.84 Mbps | 456.77 Kbps | 6.30 Mbps |
| <input type="checkbox"/> | PoP-RS | District of Columbia | 5.36 Mbps | 195.92 Kbps | 5.56 Mbps |
| <input type="checkbox"/> | PoP-RS | Delaware | 4.37 Mbps | 728.31 Kbps | 5.10 Mbps |
| <input type="checkbox"/> | PoP-RS | Florida | 3.56 Mbps | 812.84 Kbps | 4.38 Mbps |
| <input type="checkbox"/> | PoP-RS | Quebec | 3.53 Mbps | 668.08 Kbps | 4.20 Mbps |
| <input type="checkbox"/> | PoP-RS | Rio Grande do Sul | 1.08 Mbps | 2.88 Mbps | 3.96 Mbps |

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

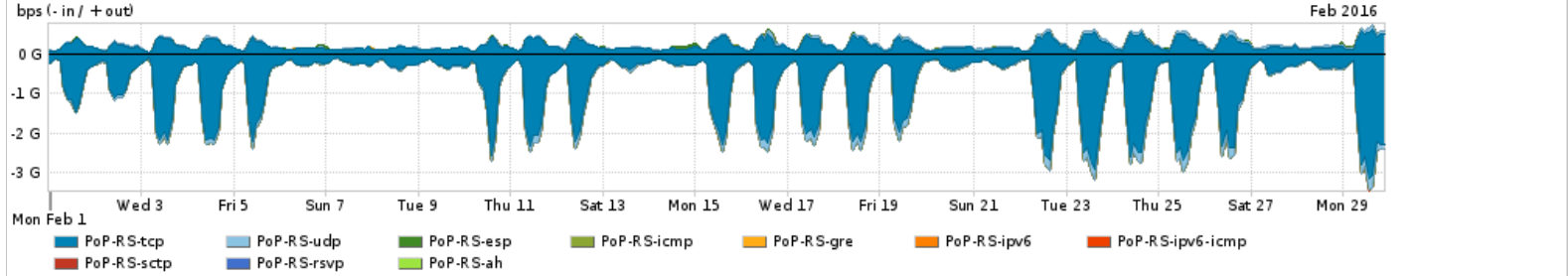


Average | Max | PCT95

| PROFILE | APPLICATION | IN | OUT | TOTAL | |
|--------------------------|-------------|------|-------------|------------|-------------|
| <input type="checkbox"/> | PoP-RS | ssl | 500.61 Mbps | 84.97 Mbps | 585.58 Mbps |
| <input type="checkbox"/> | PoP-RS | http | 244.54 Mbps | 82.75 Mbps | 327.29 Mbps |

| PROFILE | APPLICATION | IN | OUT | TOTAL | |
|--------------------------|-------------|----------------|-------------|------------|------------|
| <input type="checkbox"/> | PoP-RS | other UDP | 62.23 Mbps | 22.23 Mbps | 84.46 Mbps |
| <input type="checkbox"/> | PoP-RS | other TCP | 16.19 Mbps | 49.06 Mbps | 65.25 Mbps |
| <input type="checkbox"/> | PoP-RS | macromedia-fcs | 6.39 Mbps | 1.31 Mbps | 7.70 Mbps |
| <input type="checkbox"/> | PoP-RS | dns | 1.79 Mbps | 4.80 Mbps | 6.58 Mbps |
| <input type="checkbox"/> | PoP-RS | smtp | 3.18 Mbps | 2.42 Mbps | 5.60 Mbps |
| <input type="checkbox"/> | PoP-RS | qq | 333.90 Kbps | 3.88 Mbps | 4.22 Mbps |
| <input type="checkbox"/> | PoP-RS | syslog | 16.45 Kbps | 3.68 Mbps | 3.70 Mbps |
| <input type="checkbox"/> | PoP-RS | rsync | 2.93 Mbps | 53.52 Kbps | 2.98 Mbps |

Distribuição do tráfego do PoP-RS por protocolo



Average | Max | PCT95

| PROFILE | PROTOCOL | IN | OUT | TOTAL | |
|--------------------------|----------|-----------|-------------|-------------|-------------|
| <input type="checkbox"/> | PoP-RS | tcp | 776.30 Mbps | 227.75 Mbps | 1.00 Gbps |
| <input type="checkbox"/> | PoP-RS | udp | 64.67 Mbps | 30.83 Mbps | 95.50 Mbps |
| <input type="checkbox"/> | PoP-RS | esp | 259.89 Kbps | 5.56 Mbps | 5.82 Mbps |
| <input type="checkbox"/> | PoP-RS | icmp | 386.11 Kbps | 244.48 Kbps | 630.58 Kbps |
| <input type="checkbox"/> | PoP-RS | gre | 18.10 Kbps | 127.33 Kbps | 145.42 Kbps |
| <input type="checkbox"/> | PoP-RS | ipv6 | 59.15 Kbps | 5.68 Kbps | 64.83 Kbps |
| <input type="checkbox"/> | PoP-RS | ipv6-icmp | 75.00 bps | 3.33 Kbps | 3.40 Kbps |
| <input type="checkbox"/> | PoP-RS | sctp | 48.00 bps | 0.00 bps | 48.00 bps |
| <input type="checkbox"/> | PoP-RS | rsvp | 2.00 bps | 5.00 bps | 7.00 bps |
| <input type="checkbox"/> | PoP-RS | ah | 0.00 bps | 0.00 bps | 0.00 bps |

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