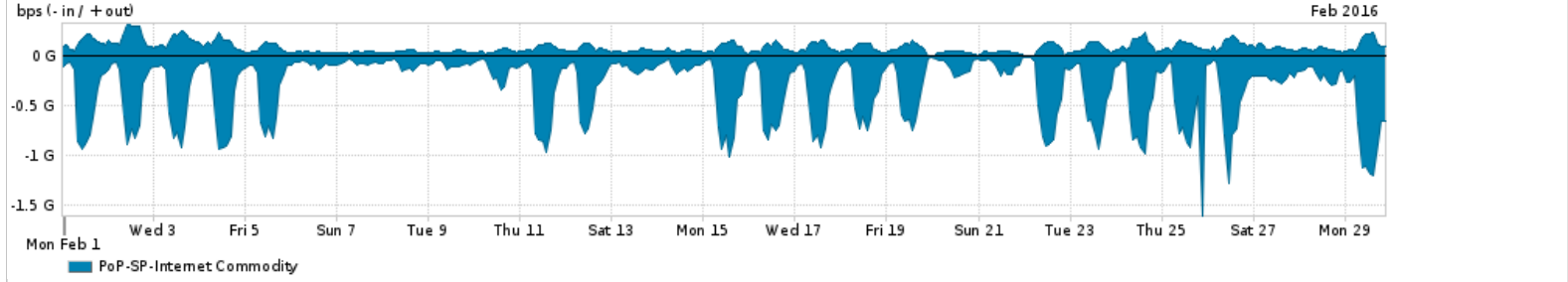


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).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

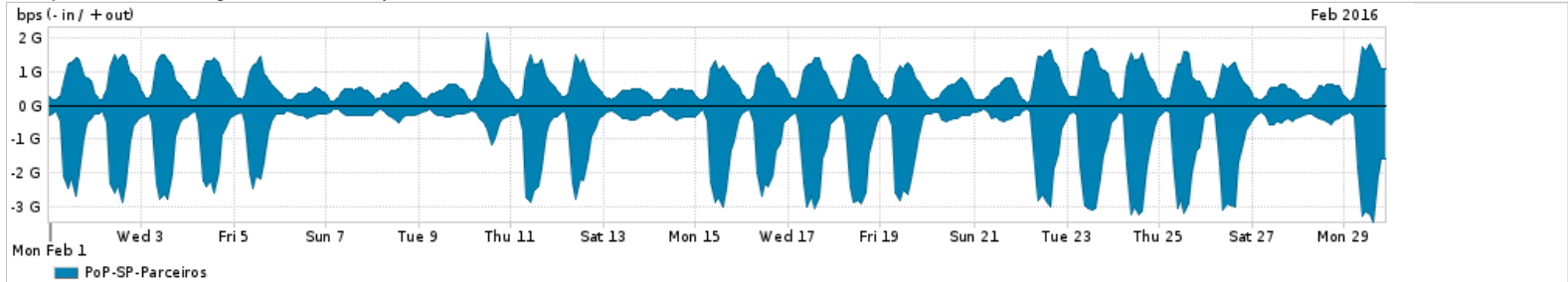
Utilização do serviço de Internet Commodity pelo PoP-SP



Average | Max | PCT95

| PROFILE | PROFILE | IN | OUT | TOTAL | |
|--------------------------|---------|--------------------|-------------|------------|-------------|
| <input type="checkbox"/> | PoP-SP | Internet Commodity | 321.38 Mbps | 79.63 Mbps | 401.01 Mbps |

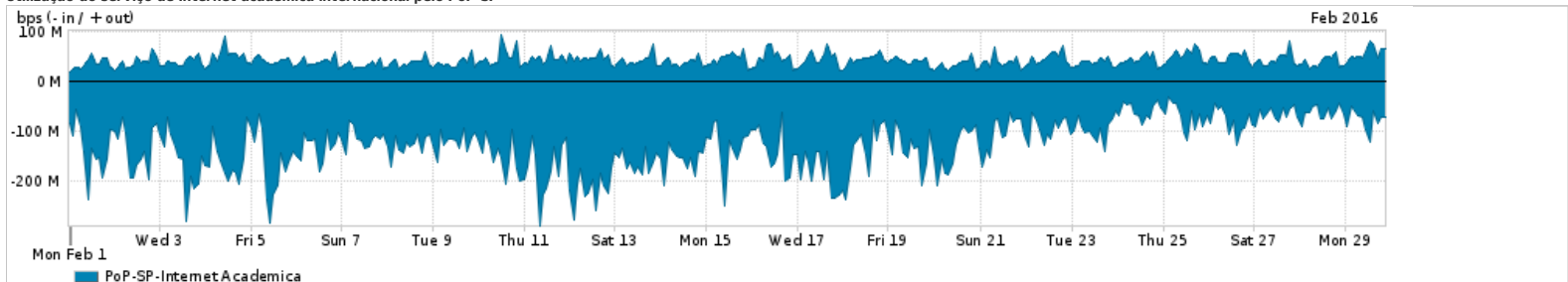
Utilização das trocas de tráfego comerciais no Brasil pelo PoP-SP



Average | Max | PCT95

| PROFILE | PROFILE | IN | OUT | TOTAL | |
|--------------------------|---------|-----------|-------------|-------------|-----------|
| <input type="checkbox"/> | PoP-SP | Parceiros | 994.35 Mbps | 679.66 Mbps | 1.67 Gbps |

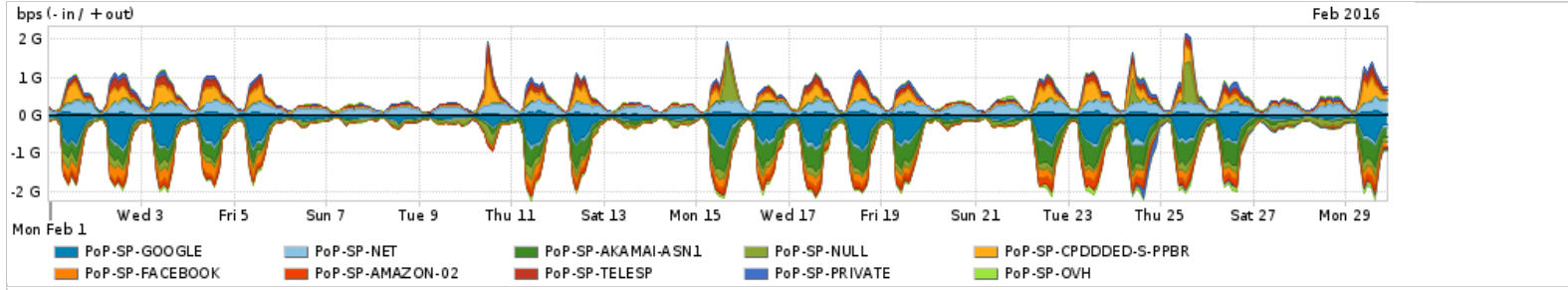
Utilização do serviço de Internet acadêmica internacional pelo PoP-SP



Average | Max | PCT95

| PROFILE | PROFILE | IN | OUT | TOTAL | |
|--------------------------|---------|--------------------|-------------|------------|-------------|
| <input type="checkbox"/> | PoP-SP | Internet Acadêmica | 125.77 Mbps | 41.62 Mbps | 167.39 Mbps |

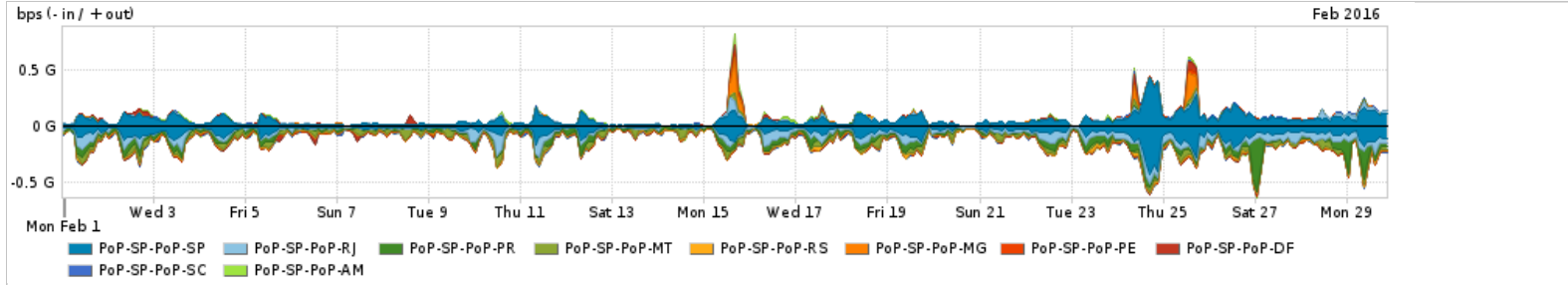
Redes (AS's de origem) mais acessadas pelo PoP-SP



Average | Max | PCT95

| PROFILE | AS NAME | ASN | IN | OUT | TOTAL | |
|--------------------------|---------|---------------|-------|-------------|-------------|-------------|
| <input type="checkbox"/> | PoP-SP | GOOGLE | 15169 | 238.81 Mbps | 31.42 Mbps | 270.23 Mbps |
| <input type="checkbox"/> | PoP-SP | NET | 28573 | 32.66 Mbps | 171.24 Mbps | 203.90 Mbps |
| <input type="checkbox"/> | PoP-SP | AKAMAI-ASN1 | 20940 | 166.16 Mbps | 3.47 Mbps | 169.63 Mbps |
| <input type="checkbox"/> | PoP-SP | NULL | 0 | 97.57 Mbps | 28.19 Mbps | 125.77 Mbps |
| <input type="checkbox"/> | PoP-SP | CPDDED-S-PPBR | 28637 | 4.56 Mbps | 98.80 Mbps | 103.36 Mbps |
| <input type="checkbox"/> | PoP-SP | FACEBOOK | 32934 | 72.62 Mbps | 6.58 Mbps | 79.20 Mbps |
| <input type="checkbox"/> | PoP-SP | AMAZON-02 | 16509 | 50.63 Mbps | 20.93 Mbps | 71.56 Mbps |
| <input type="checkbox"/> | PoP-SP | TELESP | 27699 | 8.61 Mbps | 56.05 Mbps | 64.66 Mbps |
| <input type="checkbox"/> | PoP-SP | PRIVATE | 65011 | 8.69 Mbps | 42.05 Mbps | 50.75 Mbps |
| <input type="checkbox"/> | PoP-SP | OVH | 16276 | 28.07 Mbps | 15.82 Mbps | 43.89 Mbps |

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

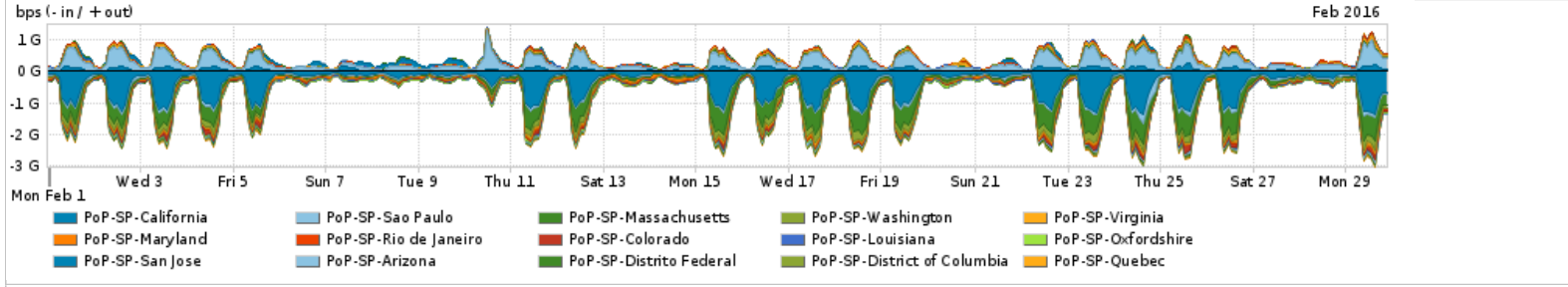


Average | Max | PCT95

| PROFILE | PROFILE | IN | OUT | TOTAL | |
|--------------------------|---------|--------|------------|-------------|-------------|
| <input type="checkbox"/> | PoP-SP | PoP-SP | 52.72 Mbps | 52.72 Mbps | 105.44 Mbps |
| <input type="checkbox"/> | PoP-SP | PoP-RJ | 32.18 Mbps | 3.91 Mbps | 36.09 Mbps |
| <input type="checkbox"/> | PoP-SP | PoP-PR | 30.72 Mbps | 293.61 Kbps | 31.02 Mbps |
| <input type="checkbox"/> | PoP-SP | PoP-MT | 18.76 Mbps | 992.21 Kbps | 19.76 Mbps |
| <input type="checkbox"/> | PoP-SP | PoP-RS | 8.08 Mbps | 739.24 Kbps | 8.82 Mbps |
| <input type="checkbox"/> | PoP-SP | PoP-MG | 3.10 Mbps | 4.29 Mbps | 7.39 Mbps |
| <input type="checkbox"/> | PoP-SP | PoP-PE | 5.11 Mbps | 1.30 Mbps | 6.41 Mbps |
| <input type="checkbox"/> | PoP-SP | PoP-DF | 2.83 Mbps | 3.22 Mbps | 6.05 Mbps |
| <input type="checkbox"/> | PoP-SP | PoP-SC | 3.53 Mbps | 1.68 Mbps | 5.21 Mbps |

| PROFILE | PROFILE | IN | OUT | TOTAL | |
|--------------------------|---------|--------|-------------|-----------|-----------|
| <input type="checkbox"/> | PoP-SP | PoP-AM | 962.86 Kbps | 2.86 Mbps | 3.82 Mbps |

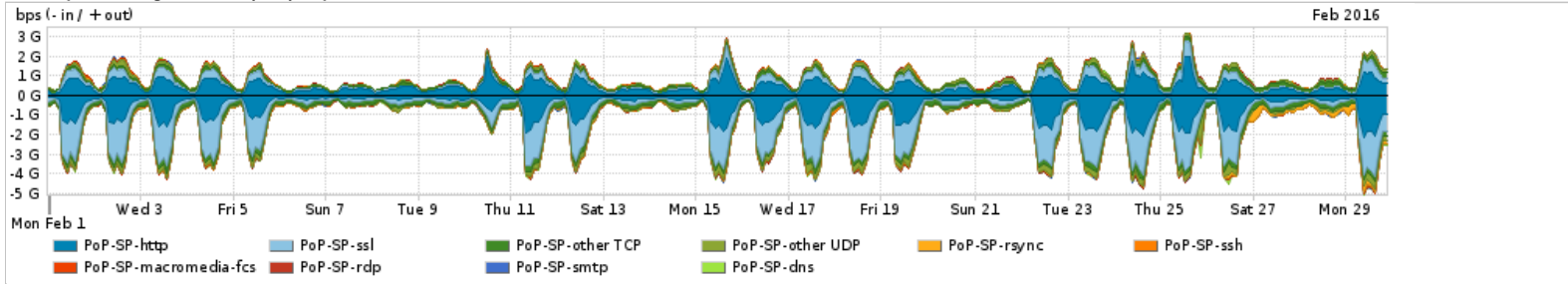
Distribuição do tráfego do PoP-SP por estado, província ou similar



Average | Max | PCT95

| PROFILE | REGION | IN | OUT | TOTAL | |
|--------------------------|--------|----------------------|-------------|-------------|-------------|
| <input type="checkbox"/> | PoP-SP | California | 388.26 Mbps | 61.61 Mbps | 449.87 Mbps |
| <input type="checkbox"/> | PoP-SP | Sao Paulo | 48.78 Mbps | 215.73 Mbps | 264.50 Mbps |
| <input type="checkbox"/> | PoP-SP | Massachusetts | 199.62 Mbps | 5.82 Mbps | 205.44 Mbps |
| <input type="checkbox"/> | PoP-SP | Washington | 72.25 Mbps | 10.30 Mbps | 82.55 Mbps |
| <input type="checkbox"/> | PoP-SP | Virginia | 20.07 Mbps | 27.10 Mbps | 47.16 Mbps |
| <input type="checkbox"/> | PoP-SP | Maryland | 36.58 Mbps | 448.12 Kbps | 37.02 Mbps |
| <input type="checkbox"/> | PoP-SP | Rio de Janeiro | 8.94 Mbps | 25.97 Mbps | 34.91 Mbps |
| <input type="checkbox"/> | PoP-SP | Colorado | 34.25 Mbps | 568.53 Kbps | 34.82 Mbps |
| <input type="checkbox"/> | PoP-SP | Louisiana | 19.05 Mbps | 7.48 Mbps | 26.53 Mbps |
| <input type="checkbox"/> | PoP-SP | Oxfordshire | 24.43 Mbps | 178.72 Kbps | 24.60 Mbps |
| <input type="checkbox"/> | PoP-SP | San Jose | 301.11 Kbps | 23.64 Mbps | 23.94 Mbps |
| <input type="checkbox"/> | PoP-SP | Arizona | 20.52 Mbps | 645.50 Kbps | 21.16 Mbps |
| <input type="checkbox"/> | PoP-SP | Distrito Federal | 13.39 Mbps | 7.26 Mbps | 20.65 Mbps |
| <input type="checkbox"/> | PoP-SP | District of Columbia | 17.07 Mbps | 563.62 Kbps | 17.63 Mbps |
| <input type="checkbox"/> | PoP-SP | Quebec | 10.33 Mbps | 5.01 Mbps | 15.34 Mbps |

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

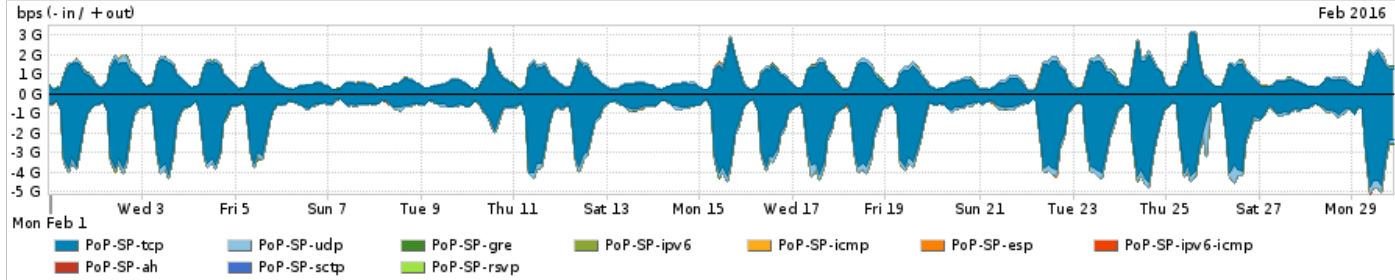


Average | Max | PCT95

| PROFILE | APPLICATION | IN | OUT | TOTAL | |
|--------------------------|-------------|------|-------------|-------------|-------------|
| <input type="checkbox"/> | PoP-SP | http | 579.41 Mbps | 441.97 Mbps | 1.02 Gbps |
| <input type="checkbox"/> | PoP-SP | ssl | 605.34 Mbps | 153.56 Mbps | 758.91 Mbps |

| | PROFILE | APPLICATION | IN | OUT | TOTAL | |
|--------------------------|---------|-------------|----------------|-------------|-------------|-------------|
| <input type="checkbox"/> | PoP-SP | | other TCP | 218.08 Mbps | 146.10 Mbps | 364.18 Mbps |
| <input type="checkbox"/> | PoP-SP | | other UDP | 121.03 Mbps | 86.31 Mbps | 207.34 Mbps |
| <input type="checkbox"/> | PoP-SP | | rsync | 31.57 Mbps | 1.94 Mbps | 33.51 Mbps |
| <input type="checkbox"/> | PoP-SP | | ssh | 15.24 Mbps | 13.89 Mbps | 29.14 Mbps |
| <input type="checkbox"/> | PoP-SP | | macromedia-fcs | 13.07 Mbps | 13.48 Mbps | 26.56 Mbps |
| <input type="checkbox"/> | PoP-SP | | rdp | 3.87 Mbps | 10.96 Mbps | 14.83 Mbps |
| <input type="checkbox"/> | PoP-SP | | smtp | 6.63 Mbps | 2.95 Mbps | 9.58 Mbps |
| <input type="checkbox"/> | PoP-SP | | dns | 6.45 Mbps | 2.76 Mbps | 9.21 Mbps |

Distribuição do tráfego do PoP-SP por protocolo



Average | Max | PCT95

| | PROFILE | PROTOCOL | IN | OUT | TOTAL | |
|--------------------------|---------|----------|-----------|-------------|-------------|-------------|
| <input type="checkbox"/> | PoP-SP | | tcp | 1.48 Gbps | 790.98 Mbps | 2.27 Gbps |
| <input type="checkbox"/> | PoP-SP | | udp | 129.44 Mbps | 90.21 Mbps | 219.65 Mbps |
| <input type="checkbox"/> | PoP-SP | | gre | 1.06 Mbps | 6.27 Mbps | 7.33 Mbps |
| <input type="checkbox"/> | PoP-SP | | ipv6 | 695.61 Kbps | 1.14 Mbps | 1.83 Mbps |
| <input type="checkbox"/> | PoP-SP | | icmp | 467.74 Kbps | 1.31 Mbps | 1.77 Mbps |
| <input type="checkbox"/> | PoP-SP | | esp | 884.67 Kbps | 692.30 Kbps | 1.58 Mbps |
| <input type="checkbox"/> | PoP-SP | | ipv6-icmp | 32.88 Kbps | 24.44 Kbps | 57.32 Kbps |
| <input type="checkbox"/> | PoP-SP | | ah | 334.00 bps | 488.00 bps | 822.00 bps |
| <input type="checkbox"/> | PoP-SP | | sctp | 83.00 bps | 0.00 bps | 83.00 bps |
| <input type="checkbox"/> | PoP-SP | | rsvp | 8.00 bps | 0.00 bps | 8.00 bps |

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