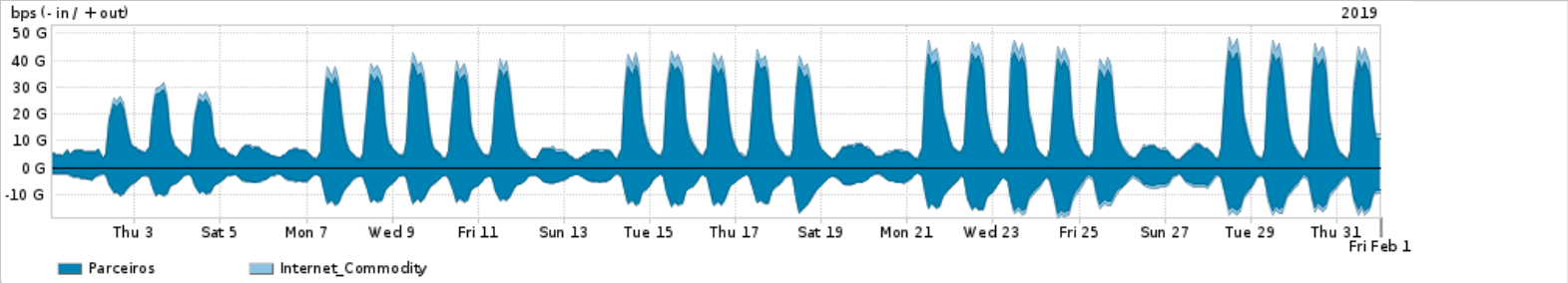


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).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

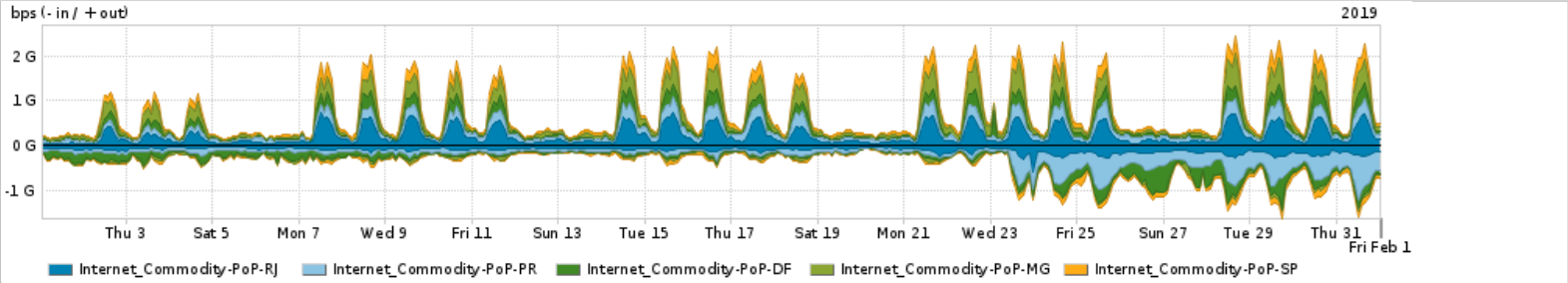
Tráfego agregado dos acessos comerciais da RNP



Average | Max | PCT95

| | PROFILE | IN | OUT | TOTAL |
|-------------------------------------|--------------------|-------------|------------|------------|
| <input checked="" type="checkbox"/> | Parceiros | 7.06 Gbps | 14.61 Gbps | 21.67 Gbps |
| <input checked="" type="checkbox"/> | Internet_Commodity | 628.03 Mbps | 1.70 Gbps | 2.32 Gbps |

Utilização do serviço de Internet Commodity pelos PoPs da RNP

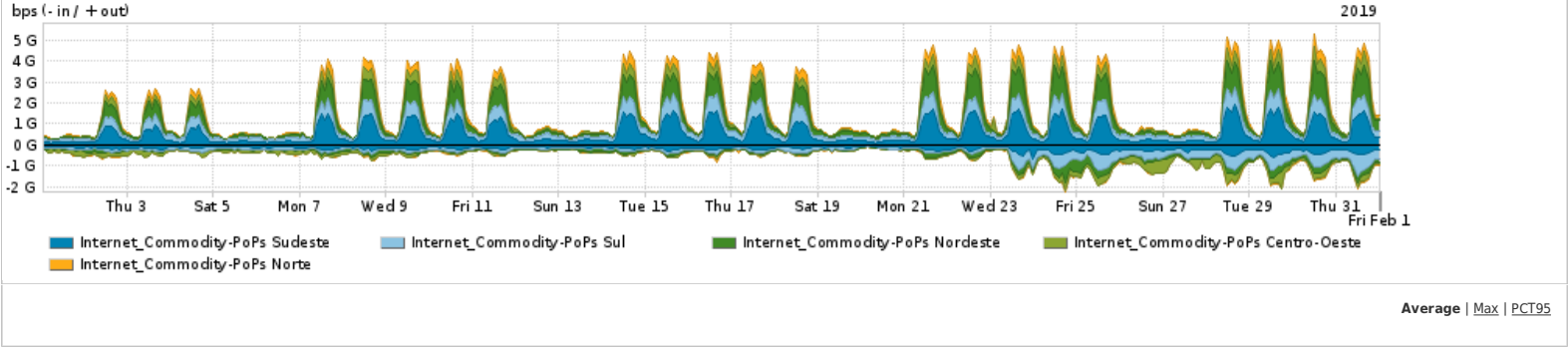


Average | Max | PCT95

| | PROFILE | PROFILE | IN | OUT | TOTAL |
|-------------------------------------|--------------------|---------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | Internet_Commodity | PoP-RJ | 100.42 Mbps | 217.90 Mbps | 318.32 Mbps |
| <input checked="" type="checkbox"/> | Internet_Commodity | PoP-PR | 161.87 Mbps | 121.96 Mbps | 283.83 Mbps |
| <input checked="" type="checkbox"/> | Internet_Commodity | PoP-DF | 106.54 Mbps | 105.15 Mbps | 211.69 Mbps |
| <input checked="" type="checkbox"/> | Internet_Commodity | PoP-MG | 29.31 Mbps | 172.01 Mbps | 201.33 Mbps |
| <input checked="" type="checkbox"/> | Internet_Commodity | PoP-SP | 45.61 Mbps | 115.28 Mbps | 160.89 Mbps |
| <input type="checkbox"/> | Internet_Commodity | PoP-RS | 11.83 Mbps | 126.52 Mbps | 138.35 Mbps |
| <input type="checkbox"/> | Internet_Commodity | PoP-CE | 33.55 Mbps | 64.64 Mbps | 98.19 Mbps |
| <input type="checkbox"/> | Internet_Commodity | PoP-SC | 19.13 Mbps | 75.66 Mbps | 94.78 Mbps |
| <input type="checkbox"/> | Internet_Commodity | PoP-PE | 20.01 Mbps | 71.79 Mbps | 91.80 Mbps |
| <input type="checkbox"/> | Internet_Commodity | PoP-PA | 4.34 Mbps | 79.87 Mbps | 84.21 Mbps |
| <input type="checkbox"/> | Internet_Commodity | PoP-BA | 17.88 Mbps | 63.20 Mbps | 81.08 Mbps |

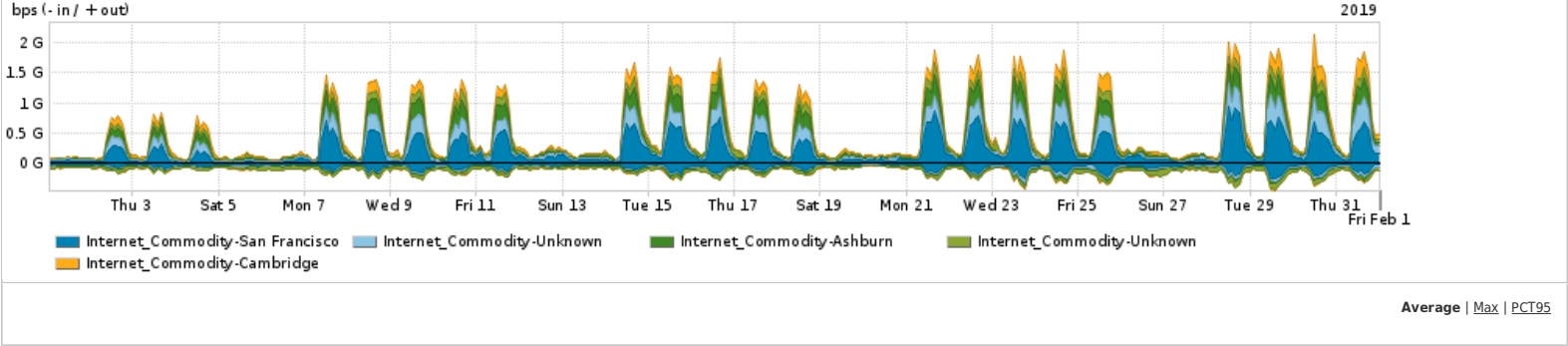
| | PROFILE | PROFILE | IN | OUT | TOTAL |
|--------------------------|--------------------|---------|-----------|------------|------------|
| <input type="checkbox"/> | Internet_Commodity | PoP-RN | 7.48 Mbps | 55.63 Mbps | 63.11 Mbps |
| <input type="checkbox"/> | Internet_Commodity | PoP-PB | 9.19 Mbps | 46.19 Mbps | 55.38 Mbps |
| <input type="checkbox"/> | Internet_Commodity | PoP-MA | 3.47 Mbps | 42.24 Mbps | 45.71 Mbps |
| <input type="checkbox"/> | Internet_Commodity | PoP-ES | 8.92 Mbps | 36.52 Mbps | 45.43 Mbps |

Utilização do serviço de Internet Commodity pelos PoPs da RNP agrupados por região



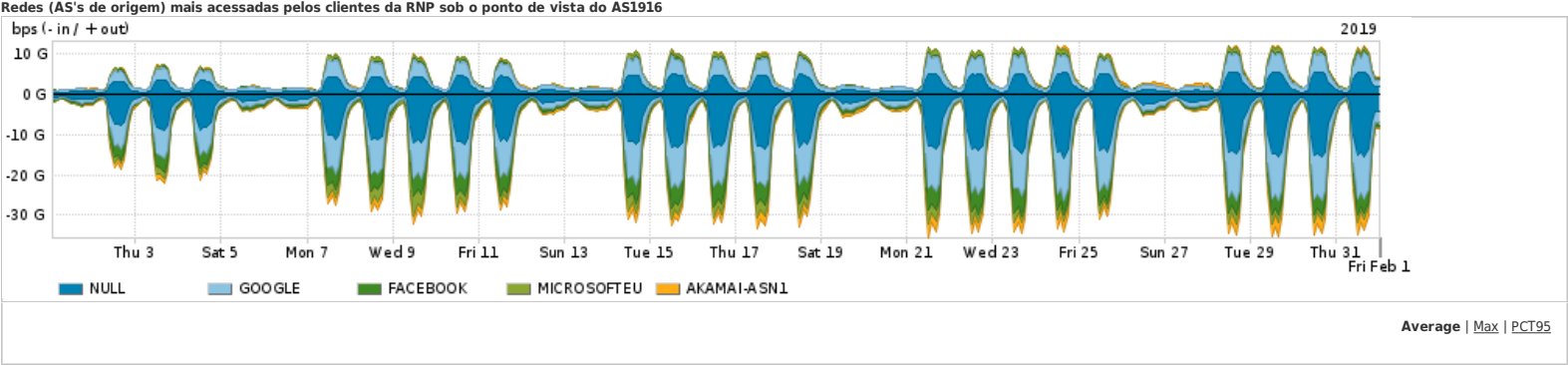
| | PROFILE | PROFILE | IN | OUT | TOTAL |
|-------------------------------------|--------------------|-------------------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | Internet_Commodity | PoPs Sudeste | 184.25 Mbps | 541.71 Mbps | 725.97 Mbps |
| <input checked="" type="checkbox"/> | Internet_Commodity | PoPs Sul | 192.82 Mbps | 324.14 Mbps | 516.96 Mbps |
| <input checked="" type="checkbox"/> | Internet_Commodity | PoPs Nordeste | 98.97 Mbps | 407.20 Mbps | 506.18 Mbps |
| <input checked="" type="checkbox"/> | Internet_Commodity | PoPs Centro-Oeste | 127.26 Mbps | 172.89 Mbps | 300.15 Mbps |
| <input checked="" type="checkbox"/> | Internet_Commodity | PoPs Norte | 17.11 Mbps | 160.47 Mbps | 177.58 Mbps |

Interesse de tráfego do serviço de Internet Commodity por cidade



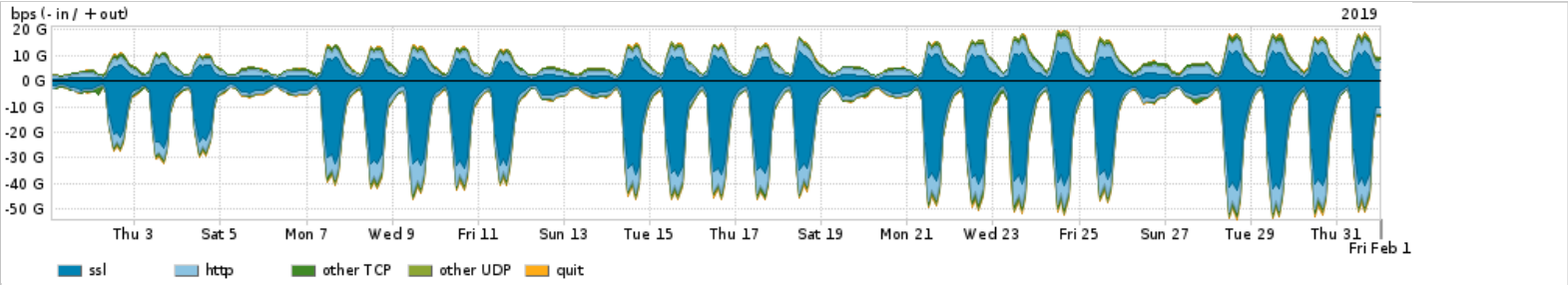
| | PROFILE | CITY | IN | OUT | TOTAL |
|-------------------------------------|--------------------|---------------|------------|-------------|-------------|
| <input checked="" type="checkbox"/> | Internet_Commodity | San Francisco | 51.35 Mbps | 198.64 Mbps | 249.99 Mbps |
| <input checked="" type="checkbox"/> | Internet_Commodity | Unknown | 15.52 Mbps | 98.74 Mbps | 114.26 Mbps |
| <input checked="" type="checkbox"/> | Internet_Commodity | Ashburn | 23.38 Mbps | 89.07 Mbps | 112.45 Mbps |
| <input checked="" type="checkbox"/> | Internet_Commodity | Unknown | 47.70 Mbps | 61.95 Mbps | 109.65 Mbps |
| <input checked="" type="checkbox"/> | Internet_Commodity | Cambridge | 4.37 Mbps | 80.05 Mbps | 84.42 Mbps |
| <input type="checkbox"/> | Internet_Commodity | Unknown | 5.55 Mbps | 74.73 Mbps | 80.28 Mbps |
| <input type="checkbox"/> | Internet_Commodity | Unknown | 4.21 Mbps | 71.63 Mbps | 75.84 Mbps |
| <input type="checkbox"/> | Internet_Commodity | Unknown | 5.02 Mbps | 63.92 Mbps | 68.95 Mbps |
| <input type="checkbox"/> | Internet_Commodity | Unknown | 1.98 Mbps | 58.97 Mbps | 60.95 Mbps |

| | PROFILE | CITY | IN | OUT | TOTAL |
|-------------------------------------|--------------------|-------------|-------------|-------------|------------|
| <input checked="" type="checkbox"/> | Internet_Academica | Potomac | 444.43 Kbps | 50.88 Mbps | 51.32 Mbps |
| <input checked="" type="checkbox"/> | Internet_Academica | Boulder | 1.08 Mbps | 38.34 Mbps | 39.42 Mbps |
| <input checked="" type="checkbox"/> | Internet_Academica | Unknown | 21.98 Mbps | 8.69 Mbps | 30.67 Mbps |
| <input type="checkbox"/> | Internet_Academica | Lemont | 556.18 Kbps | 21.00 Mbps | 21.56 Mbps |
| <input type="checkbox"/> | Internet_Academica | Unknown | 331.40 Kbps | 20.64 Mbps | 20.97 Mbps |
| <input type="checkbox"/> | Internet_Academica | Tallahassee | 557.94 Kbps | 16.10 Mbps | 16.65 Mbps |
| <input type="checkbox"/> | Internet_Academica | Laurel | 569.08 Kbps | 9.10 Mbps | 9.67 Mbps |
| <input type="checkbox"/> | Internet_Academica | Beijing | 9.12 Mbps | 354.57 Kbps | 9.48 Mbps |



| | AS NAME | ASN | IN | OUT | TOTAL |
|-------------------------------------|-----------------------------|-------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | NULL | 0 | 4.60 Gbps | 1.89 Gbps | 6.48 Gbps |
| <input checked="" type="checkbox"/> | GOOGLE | 15169 | 3.39 Gbps | 1.80 Gbps | 5.20 Gbps |
| <input checked="" type="checkbox"/> | FACEBOOK | 32934 | 1.48 Gbps | 132.32 Mbps | 1.62 Gbps |
| <input checked="" type="checkbox"/> | MICROSOFT | 8068 | 905.42 Mbps | 325.22 Mbps | 1.23 Gbps |
| <input checked="" type="checkbox"/> | AKAMAI-ASN1 | 20940 | 840.64 Mbps | 139.83 Mbps | 980.47 Mbps |
| <input type="checkbox"/> | CLARO | 28573 | 180.18 Mbps | 713.95 Mbps | 894.13 Mbps |
| <input type="checkbox"/> | NETFLIX | 2906 | 628.41 Mbps | 13.90 Mbps | 642.31 Mbps |
| <input type="checkbox"/> | AMAZON-02 | 16509 | 516.63 Mbps | 96.32 Mbps | 612.95 Mbps |
| <input type="checkbox"/> | GCEPSA-BR | 28604 | 427.74 Mbps | 13.20 Mbps | 440.93 Mbps |
| <input type="checkbox"/> | MICROSOFT-CORP-MSN-AS-BLOCK | 8075 | 193.32 Mbps | 246.76 Mbps | 440.08 Mbps |
| <input type="checkbox"/> | EDGECAST | 15133 | 426.64 Mbps | 12.48 Mbps | 439.12 Mbps |
| <input type="checkbox"/> | TELEFONICA-BRASIL-SA-BR | 18881 | 56.89 Mbps | 357.13 Mbps | 414.01 Mbps |
| <input type="checkbox"/> | CLOUDFLARENET | 13335 | 225.05 Mbps | 55.20 Mbps | 280.25 Mbps |
| <input type="checkbox"/> | TELEFONICA-BRASIL-SA-BR | 27699 | 51.78 Mbps | 216.51 Mbps | 268.30 Mbps |
| <input type="checkbox"/> | LEVEL3-AS3549 | 3549 | 248.93 Mbps | 10.10 Mbps | 259.03 Mbps |

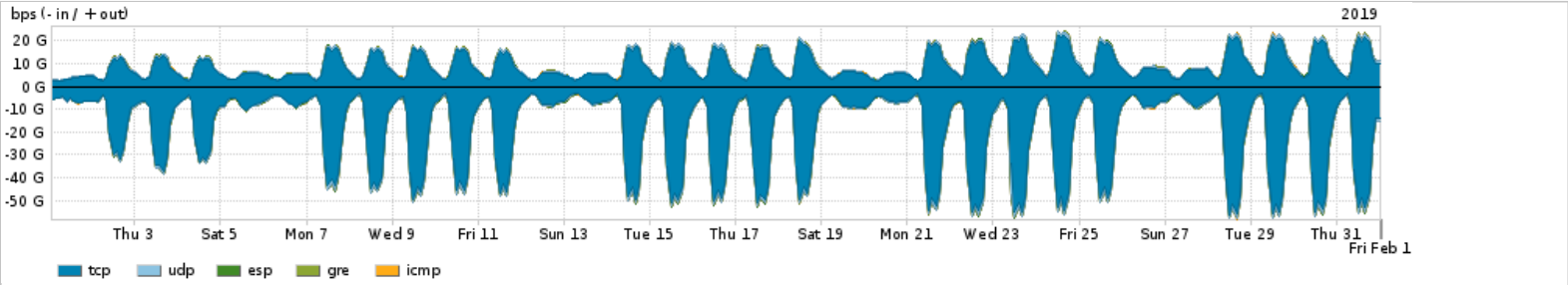
Distribuição do tráfego da rede Ipê por aplicação (análise nas camadas 3 e 4)



Average | [Max](#) | [PCT95](#)


| | APPLICATION | IN | OUT | TOTAL |
|-------------------------------------|-------------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | ssl | 12.68 Gbps | 4.09 Gbps | 16.77 Gbps |
| <input checked="" type="checkbox"/> | http | 2.93 Gbps | 2.35 Gbps | 5.28 Gbps |
| <input checked="" type="checkbox"/> | other TCP | 512.01 Mbps | 629.63 Mbps | 1.14 Gbps |
| <input checked="" type="checkbox"/> | other UDP | 399.58 Mbps | 488.10 Mbps | 887.68 Mbps |
| <input checked="" type="checkbox"/> | quit | 355.90 Mbps | 108.40 Mbps | 464.30 Mbps |
| <input type="checkbox"/> | ssh | 77.09 Mbps | 61.71 Mbps | 138.80 Mbps |
| <input type="checkbox"/> | rsync | 51.75 Mbps | 35.06 Mbps | 86.82 Mbps |
| <input type="checkbox"/> | dns | 35.97 Mbps | 27.10 Mbps | 63.08 Mbps |
| <input type="checkbox"/> | smtp | 22.45 Mbps | 23.57 Mbps | 46.01 Mbps |
| <input type="checkbox"/> | ldap | 6.08 Mbps | 39.63 Mbps | 45.71 Mbps |

Distribuição do tráfego da rede Ipê por protocolo



Average | [Max](#) | [PCT95](#)

| | PROTOCOL | IN | OUT | TOTAL |
|-------------------------------------|-----------|-------------|-------------|-------------|
| <input checked="" type="checkbox"/> | tcp | 18.60 Gbps | 8.73 Gbps | 27.34 Gbps |
| <input checked="" type="checkbox"/> | udp | 870.96 Mbps | 719.49 Mbps | 1.59 Gbps |
| <input checked="" type="checkbox"/> | esp | 110.24 Mbps | 26.89 Mbps | 137.13 Mbps |
| <input checked="" type="checkbox"/> | gre | 11.44 Mbps | 76.59 Mbps | 88.03 Mbps |
| <input checked="" type="checkbox"/> | icmp | 21.25 Mbps | 17.21 Mbps | 38.46 Mbps |
| <input type="checkbox"/> | ipv6-icmp | 2.51 Mbps | 3.20 Mbps | 5.71 Mbps |
| <input type="checkbox"/> | ipv6 | 1.96 Mbps | 1.26 Mbps | 3.22 Mbps |
| <input type="checkbox"/> | ipencap | 2.35 Kbps | 4.46 Kbps | 6.81 Kbps |
| <input type="checkbox"/> | rdp | 464.00 bps | 0.00 bps | 464.00 bps |

|  | PROTOCOL | IN | OUT | TOTAL |
|---|------------|-----------|----------|-----------|
| <input type="checkbox"/> | ipv6-nonxt | 65.00 bps | 1.00 bps | 66.00 bps |

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