

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

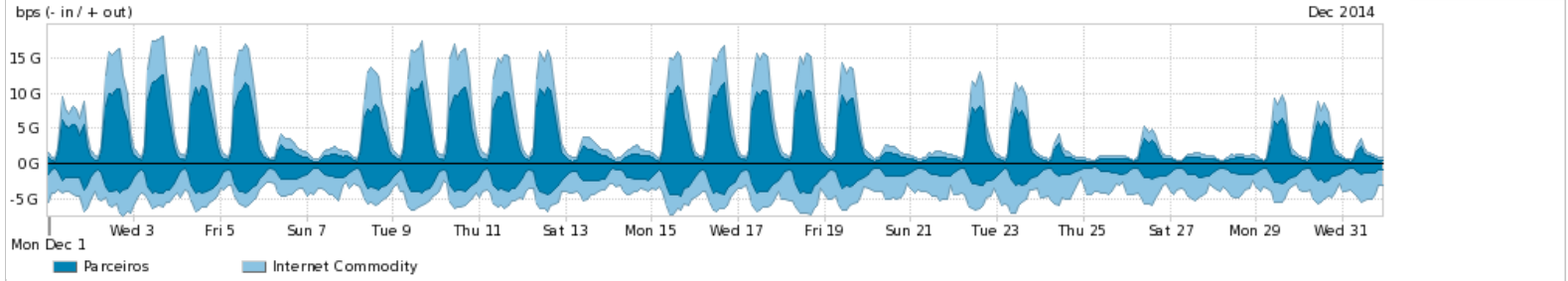
Internet Acadêmica - Acesso às redes acadêmicas internacionais, serviço atualmente provido pela RedClara

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)

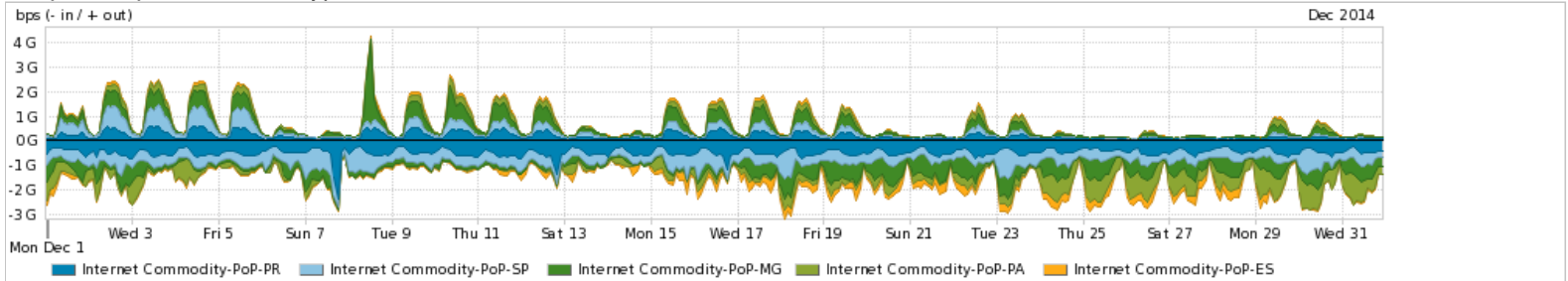
**Tráfego agregado dos acessos comerciais da RNP**



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/> Parceiros		2.03 Gbps	3.37 Gbps	5.39 Gbps
<input checked="" type="checkbox"/> Internet Commodity		2.60 Gbps	1.92 Gbps	4.51 Gbps

**Utilização do serviço de Internet Commodity pelos PoPs da RNP**

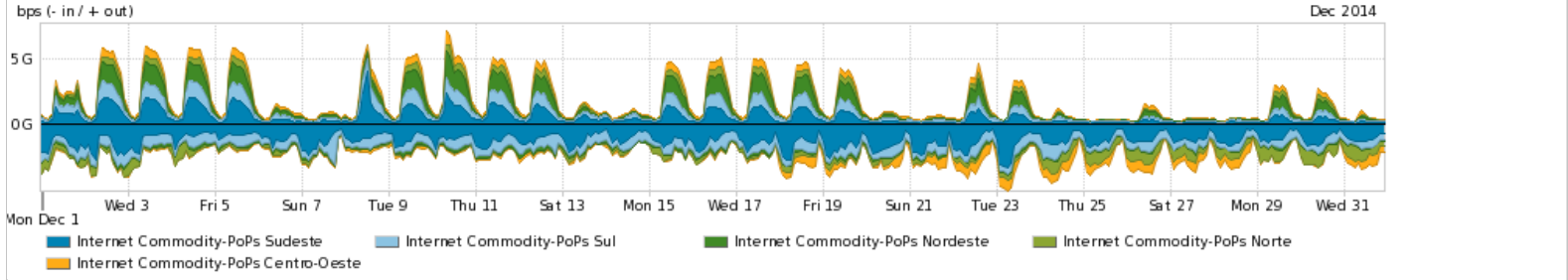


Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	PoP-PR	490.37 Mbps	170.18 Mbps	660.55 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-SP	439.37 Mbps	165.10 Mbps	604.46 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-MG	349.09 Mbps	229.34 Mbps	578.43 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RJ	285.64 Mbps	111.48 Mbps	397.12 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-PA	295.91 Mbps	84.60 Mbps	380.50 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-MS	190.59 Mbps	21.94 Mbps	212.53 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-DF	31.17 Mbps	152.26 Mbps	183.43 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-SC	91.79 Mbps	85.94 Mbps	177.73 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RS	27.27 Mbps	149.12 Mbps	176.39 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-ES	130.76 Mbps	37.41 Mbps	168.17 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-CE	59.13 Mbps	90.01 Mbps	149.14 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PE	36.11 Mbps	67.92 Mbps	104.03 Mbps

PROFILE	PROFILE	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Commodity	PoP-PB	13.50 Mbps	54.72 Mbps	68.23 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RN	6.97 Mbps	56.74 Mbps	63.71 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-BA	12.51 Mbps	51.17 Mbps	63.68 Mbps

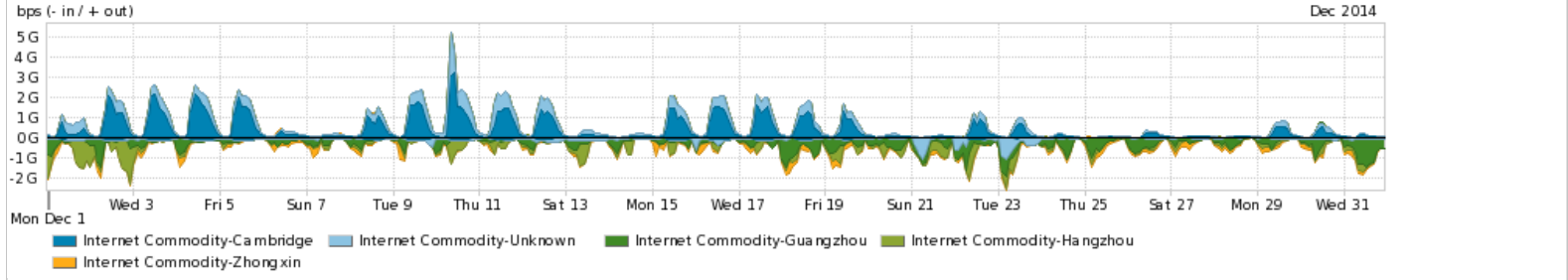
Utilização do serviço de Internet Commodity pelos PoPs da RNP agrupados por região



Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sudeste	1.20 Gbps	543.33 Mbps	1.75 Gbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sul	609.44 Mbps	405.24 Mbps	1.01 Gbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Nordeste	153.78 Mbps	464.07 Mbps	617.85 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Norte	312.96 Mbps	168.33 Mbps	481.29 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Centro-Oeste	235.11 Mbps	241.33 Mbps	476.44 Mbps

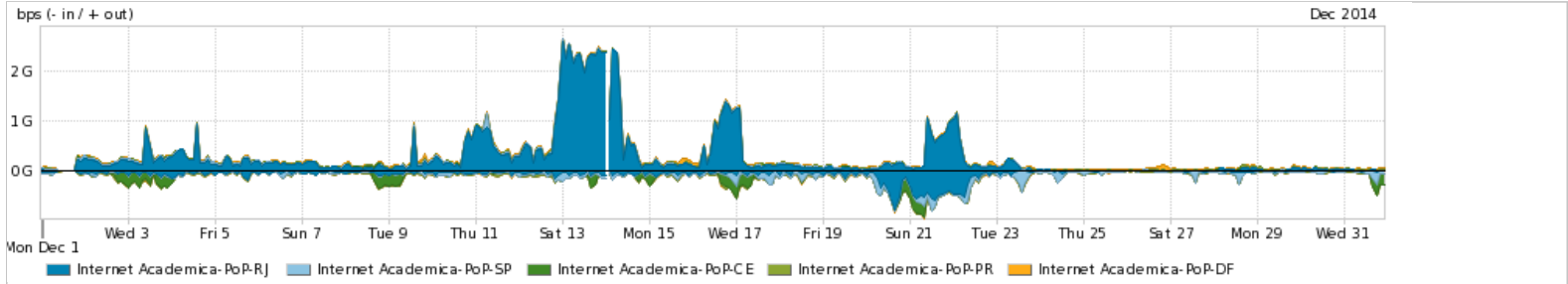
Interesse de tráfego do serviço de Internet Commodity por cidade



Average | Max | PCT95

PROFILE	CITY	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	Cambridge	20.79 Mbps	376.66 Mbps	397.45 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	88.01 Mbps	216.79 Mbps	304.80 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Guangzhou	240.98 Mbps	588.51 Kbps	241.57 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Hangzhou	153.89 Mbps	662.52 Kbps	154.56 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	9.69 Mbps	126.76 Mbps	136.45 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	18.80 Mbps	94.27 Mbps	113.08 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	19.92 Mbps	73.59 Mbps	93.51 Mbps
<input type="checkbox"/>	Internet Commodity	Englewood	1.31 Mbps	91.00 Mbps	92.31 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Zhongxin	83.48 Mbps	710.29 Kbps	84.19 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	76.60 Mbps	1.48 Mbps	78.08 Mbps

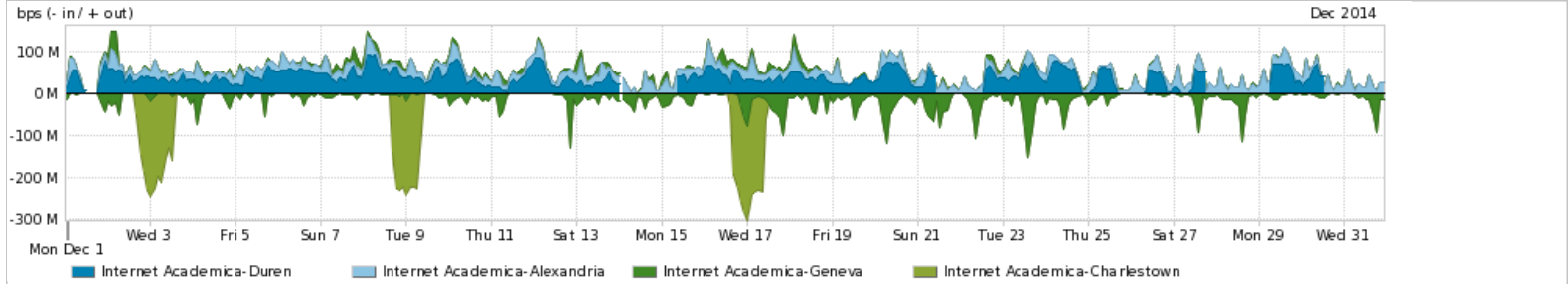
Distribuição do uso do serviço de Internet acadêmica internacional pelos PoPs da RNP



Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Academica	PoP-RJ	61.51 Mbps	268.88 Mbps	330.38 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-SP	43.24 Mbps	11.41 Mbps	54.65 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-CE	27.17 Mbps	1.86 Mbps	29.03 Mbps
<input type="checkbox"/>	Internet Academica	PoP-MG	14.03 Mbps	12.23 Mbps	26.26 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-PR	11.04 Mbps	13.04 Mbps	24.08 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-DF	1.61 Mbps	18.12 Mbps	19.73 Mbps
<input type="checkbox"/>	Internet Academica	PoP-BA	294.23 Kbps	13.60 Mbps	13.89 Mbps
<input type="checkbox"/>	Internet Academica	PoP-RS	866.80 Kbps	8.44 Mbps	9.31 Mbps
<input type="checkbox"/>	Internet Academica	PoP-SC	1.90 Mbps	6.25 Mbps	8.15 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PA	360.19 Kbps	5.50 Mbps	5.86 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PE	511.17 Kbps	1.92 Mbps	2.43 Mbps
<input type="checkbox"/>	Internet Academica	PoP-AM	100.89 Kbps	2.03 Mbps	2.13 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PB	563.81 Kbps	946.34 Kbps	1.51 Mbps
<input type="checkbox"/>	Internet Academica	PoP-RN	160.68 Kbps	717.04 Kbps	877.72 Kbps
<input type="checkbox"/>	Internet Academica	PoP-ES	338.72 Kbps	525.01 Kbps	863.72 Kbps

Interesse de trafego do serviço de Internet acadêmica internacional por cidades

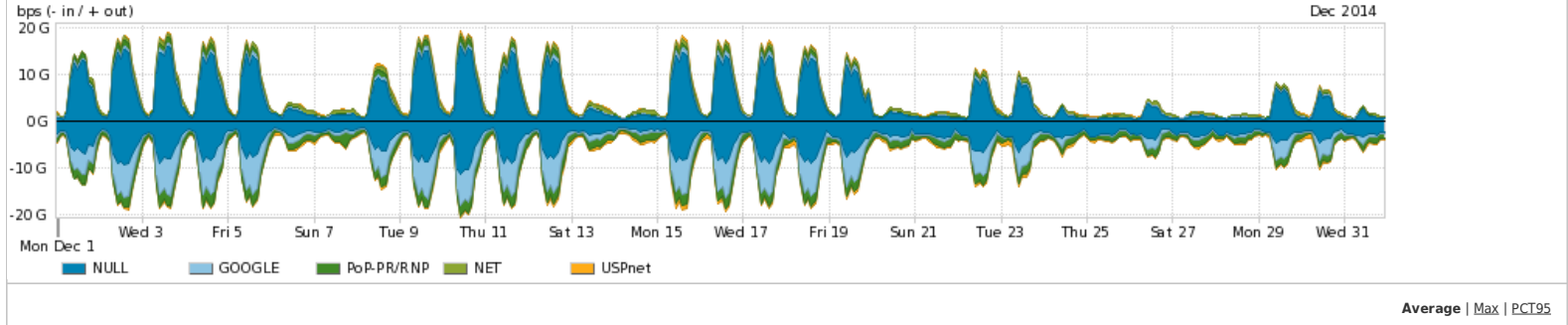


Average | Max | PCT95

PROFILE	CITY	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Academica	Gainesville	976.41 Kbps	94.43 Mbps	95.41 Mbps
<input type="checkbox"/>	Internet Academica	Bologna	2.60 Mbps	42.80 Mbps	45.40 Mbps
<input type="checkbox"/>	Internet Academica	West Lafayette	26.60 Mbps	12.30 Mbps	38.91 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Duren	630.54 Kbps	31.05 Mbps	31.68 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Alexandria	369.88 Kbps	19.50 Mbps	19.87 Mbps

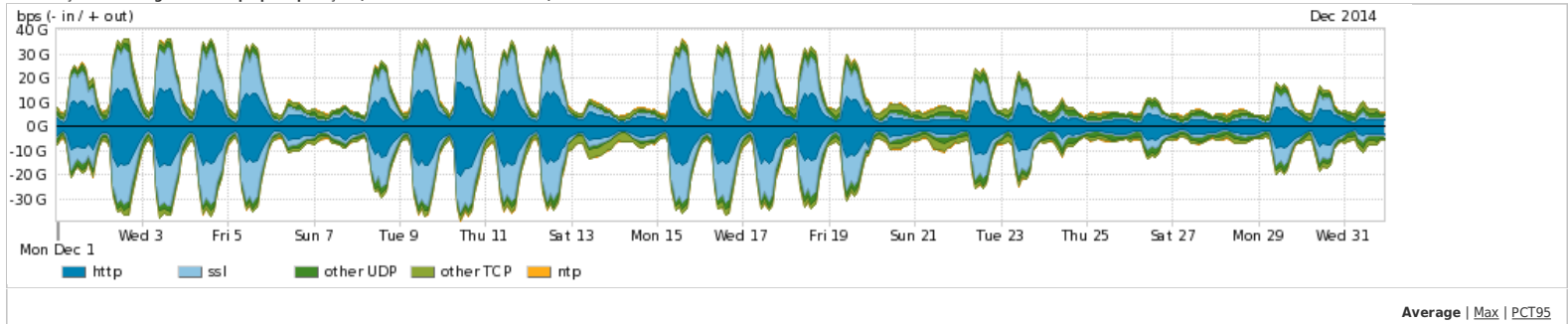
PROFILE	CITY	IN	OUT	TOTAL
<input type="checkbox"/>	Internet Academica	Unknown	2.12 Mbps	17.01 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Geneva	14.75 Mbps	3.75 Mbps
<input type="checkbox"/>	Internet Academica	Unknown	2.83 Mbps	15.59 Mbps
<input type="checkbox"/>	Internet Academica	Unknown	16.06 Mbps	1.73 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Charlestown	15.38 Mbps	1.91 Kbps

Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



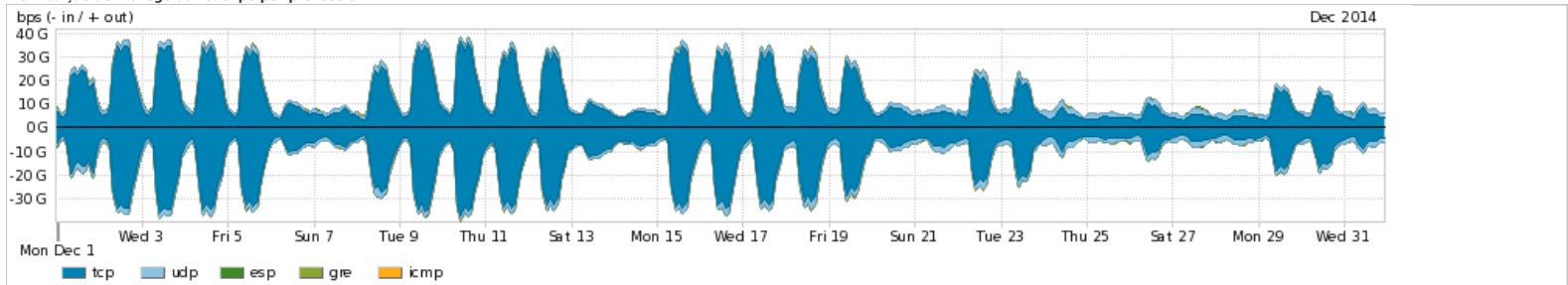
AS NAME	ASN	IN	OUT	TOTAL
<input checked="" type="checkbox"/> NULL		0	3.79 Gbps	4.28 Gbps
<input checked="" type="checkbox"/> GOOGLE	15169		2.14 Gbps	288.40 Mbps
<input checked="" type="checkbox"/> PoP-PR/RNP	10881		1.32 Gbps	339.90 Mbps
<input type="checkbox"/> CHINANET-BACKBONE	4134		13.88 Mbps	777.45 Mbps
<input type="checkbox"/> FACEBOOK	32934		674.83 Mbps	50.40 Mbps
<input type="checkbox"/> RedeRio	2715		188.01 Mbps	460.22 Mbps
<input checked="" type="checkbox"/> NET	28573		43.99 Mbps	599.40 Mbps
<input checked="" type="checkbox"/> USPnet	28571		419.87 Mbps	151.46 Mbps
<input type="checkbox"/> RedeTche	2716		98.60 Mbps	460.61 Mbps
<input type="checkbox"/> AKAMAI-ASN1	20940		508.18 Mbps	16.29 Mbps
<input type="checkbox"/> UFDp	262511		260.58 Mbps	176.93 Mbps
<input type="checkbox"/> PoP-BA/RNP	53164		3.98 Mbps	368.88 Mbps
<input type="checkbox"/> 263300	263300		205.33 Mbps	165.32 Mbps
<input type="checkbox"/> Oi	7738		30.23 Mbps	252.67 Mbps
<input type="checkbox"/> AMAZON-AES	14618		160.34 Mbps	105.65 Mbps

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



	APPLICATION	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	http		6.05 Gbps	5.87 Gbps	11.92 Gbps
<input checked="" type="checkbox"/>	ssl		4.48 Gbps	4.37 Gbps	8.84 Gbps
<input checked="" type="checkbox"/>	other UDP		1.64 Gbps	1.62 Gbps	3.26 Gbps
<input checked="" type="checkbox"/>	other TCP		1.62 Gbps	1.42 Gbps	3.04 Gbps
<input checked="" type="checkbox"/>	ntp		173.15 Mbps	201.84 Mbps	374.99 Mbps
<input type="checkbox"/>	rsync		170.46 Mbps	155.60 Mbps	326.06 Mbps
<input type="checkbox"/>	ssh		100.55 Mbps	96.62 Mbps	197.17 Mbps
<input type="checkbox"/>	macromedia-fcs		83.09 Mbps	80.48 Mbps	163.57 Mbps
<input type="checkbox"/>	dns		63.17 Mbps	67.20 Mbps	130.37 Mbps
<input type="checkbox"/>	rdp		49.25 Mbps	44.72 Mbps	93.98 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

	PROTOCOL	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	tcp		12.67 Gbps	12.16 Gbps	24.83 Gbps
<input checked="" type="checkbox"/>	udp		1.90 Gbps	1.91 Gbps	3.81 Gbps
<input checked="" type="checkbox"/>	esp		30.47 Mbps	29.79 Mbps	60.26 Mbps
<input checked="" type="checkbox"/>	gre		14.53 Mbps	15.37 Mbps	29.90 Mbps
<input checked="" type="checkbox"/>	icmp		10.58 Mbps	9.73 Mbps	20.30 Mbps
<input type="checkbox"/>	ipv6		2.28 Mbps	2.17 Mbps	4.46 Mbps
<input type="checkbox"/>	ah		244.82 Kbps	244.44 Kbps	489.26 Kbps
<input type="checkbox"/>	sctp		4.55 Kbps	4.31 Kbps	8.86 Kbps
<input type="checkbox"/>	pim		7.44 Kbps	580.00 bps	8.02 Kbps
<input type="checkbox"/>	hmp		1.05 Kbps	949.00 bps	2.00 Kbps

For assistance with this product, please contact [support@arbornetworks.com](mailto:support@arbornetworks.com).