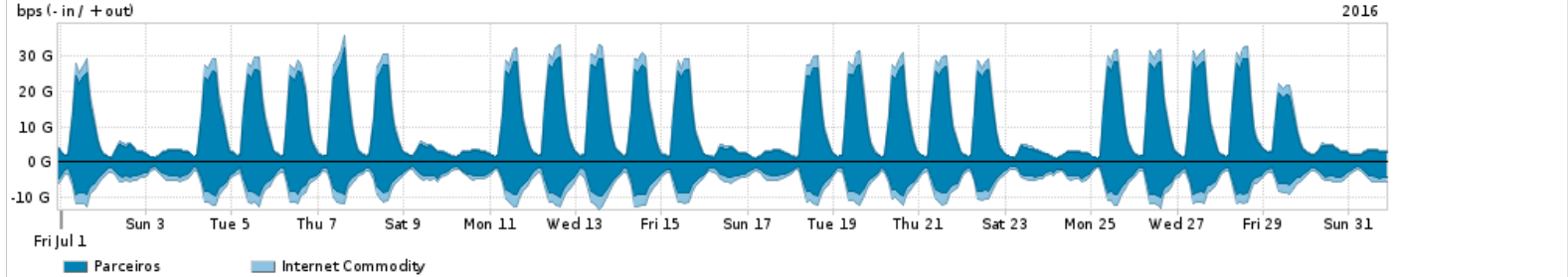


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).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

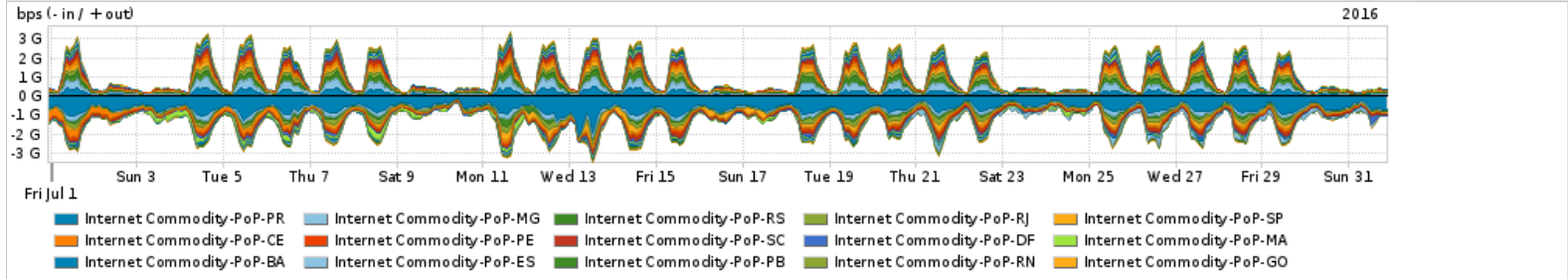
Tráfego agregado dos acessos comerciais da RNP



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL	
<input type="checkbox"/> Parceiros		4.81 Gbps	9.71 Gbps	14.52 Gbps
<input type="checkbox"/> Internet Commodity		1.61 Gbps	1.32 Gbps	2.93 Gbps

Utilização do serviço de Internet Commodity pelos PoPs da RNP

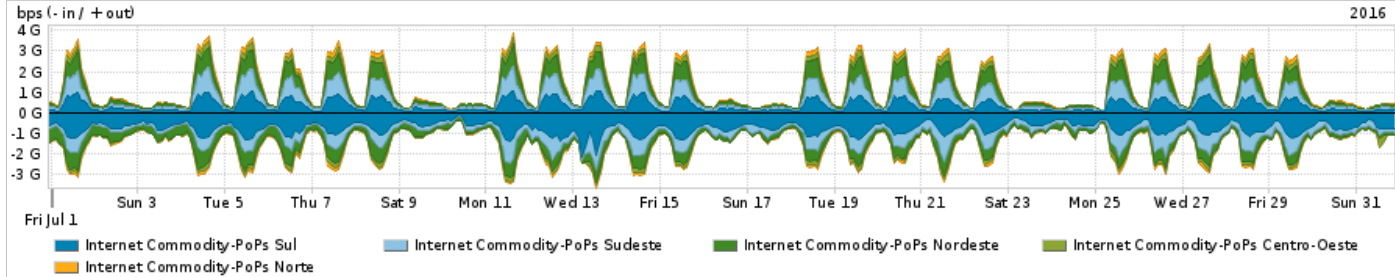


Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Commodity	PoP-PR	637.86 Mbps	129.57 Mbps	767.42 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-MG	86.18 Mbps	156.89 Mbps	243.07 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RS	61.95 Mbps	136.28 Mbps	198.23 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RJ	104.39 Mbps	90.82 Mbps	195.21 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-SP	102.67 Mbps	87.82 Mbps	190.49 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-CE	80.26 Mbps	66.41 Mbps	146.67 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PE	68.43 Mbps	49.73 Mbps	118.15 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-SC	57.55 Mbps	57.90 Mbps	115.46 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-DF	48.28 Mbps	50.76 Mbps	99.04 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-MA	66.41 Mbps	29.23 Mbps	95.64 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-BA	40.11 Mbps	51.12 Mbps	91.24 Mbps

PROFILE	PROFILE	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Commodity	PoP-ES	62.22 Mbps	24.92 Mbps	87.14 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PB	31.10 Mbps	36.67 Mbps	67.77 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RN	22.52 Mbps	44.37 Mbps	66.89 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-GO	19.06 Mbps	28.13 Mbps	47.19 Mbps

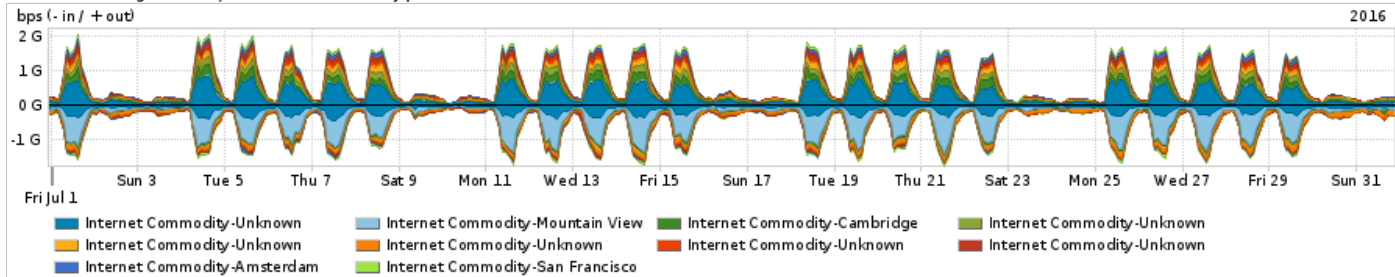
Utilização do serviço de Internet Commodity pelos PoPs da RNP agrupados por região



Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Commodity	PoPs Sul	757.36 Mbps	323.75 Mbps	1.08 Gbps
<input type="checkbox"/>	Internet Commodity	PoPs Sudeste	355.45 Mbps	360.45 Mbps	715.90 Mbps
<input type="checkbox"/>	Internet Commodity	PoPs Nordeste	340.55 Mbps	337.95 Mbps	678.50 Mbps
<input type="checkbox"/>	Internet Commodity	PoPs Centro-Oeste	82.79 Mbps	104.94 Mbps	187.73 Mbps
<input type="checkbox"/>	Internet Commodity	PoPs Norte	46.68 Mbps	85.88 Mbps	132.56 Mbps

Interesse de tráfego do serviço de Internet Commodity por cidade

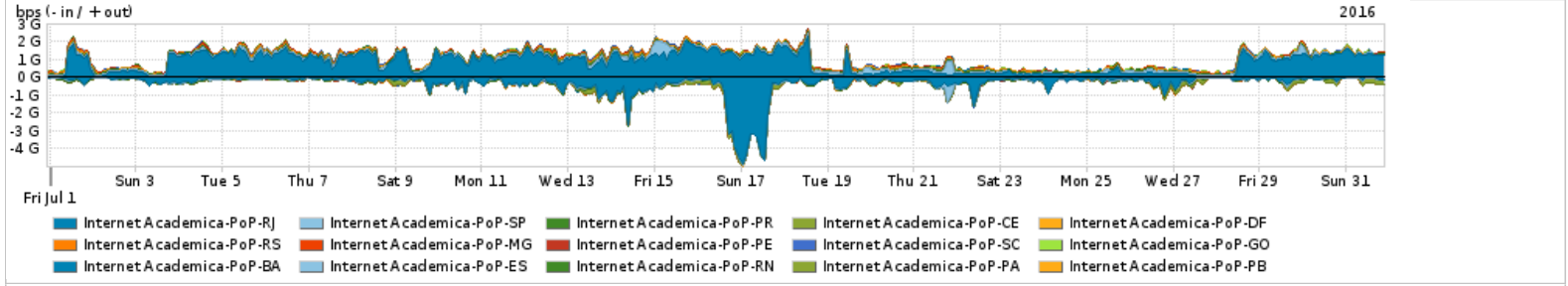


Average | Max | PCT95

PROFILE	CITY	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Commodity	Unknown	135.22 Mbps	239.45 Mbps	374.68 Mbps
<input type="checkbox"/>	Internet Commodity	Mountain View	268.93 Mbps	3.21 Mbps	272.14 Mbps
<input type="checkbox"/>	Internet Commodity	Cambridge	18.05 Mbps	80.93 Mbps	98.98 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	13.06 Mbps	77.11 Mbps	90.17 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	23.56 Mbps	59.94 Mbps	83.50 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	80.80 Mbps	75.15 Kbps	80.88 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	18.01 Mbps	52.79 Mbps	70.80 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	18.79 Mbps	44.54 Mbps	63.32 Mbps
<input type="checkbox"/>	Internet Commodity	Amsterdam	11.82 Mbps	44.12 Mbps	55.94 Mbps

PROFILE	CITY	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Commodity	San Francisco	23.66 Mbps	30.70 Mbps	54.35 Mbps

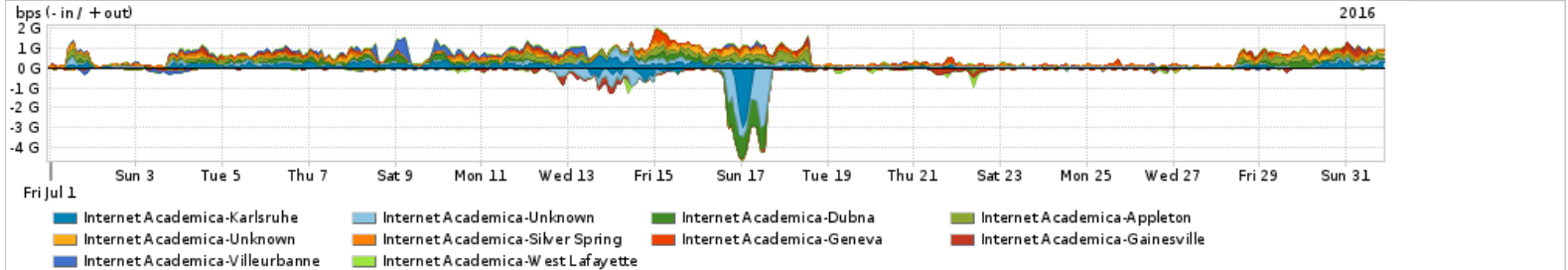
Distribuição do uso do serviço de Internet acadêmica internacional pelos PoPs da RNP



Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Acadêmica	PoP-RJ	369.48 Mbps	789.95 Mbps	1.16 Gbps
<input type="checkbox"/>	Internet Acadêmica	PoP-SP	38.75 Mbps	98.25 Mbps	137.00 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-PR	26.58 Mbps	42.70 Mbps	69.28 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-CE	37.81 Mbps	11.38 Mbps	49.18 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-DF	1.64 Mbps	31.51 Mbps	33.14 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-RS	1.74 Mbps	31.35 Mbps	33.08 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-MG	1.84 Mbps	20.98 Mbps	22.82 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-PE	1.74 Mbps	14.55 Mbps	16.29 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-SC	2.40 Mbps	9.86 Mbps	12.25 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-GO	529.49 Kbps	6.87 Mbps	7.40 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-BA	360.60 Kbps	4.83 Mbps	5.19 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-ES	307.70 Kbps	2.92 Mbps	3.23 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-RN	227.42 Kbps	2.99 Mbps	3.22 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-PA	79.05 Kbps	2.06 Mbps	2.14 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-PB	332.06 Kbps	1.34 Mbps	1.67 Mbps

Interesse de trafego do serviço de Internet acadêmica internacional por cidades

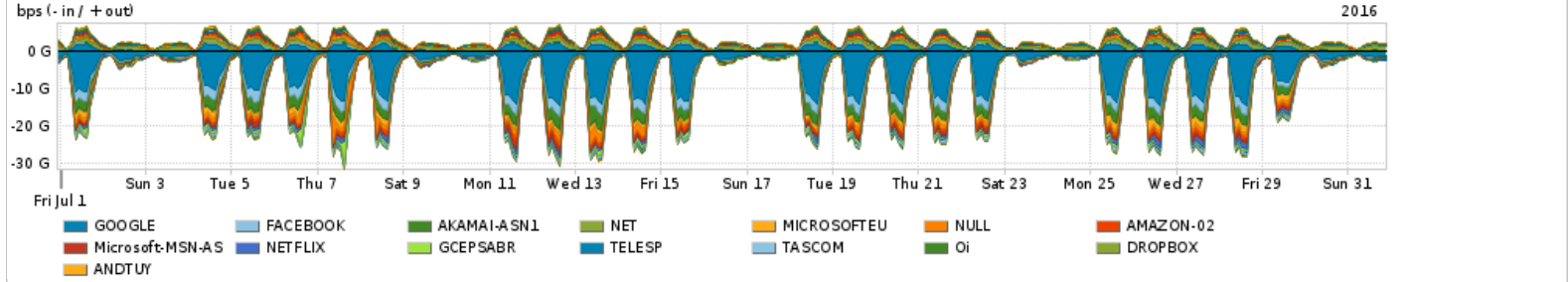


Average | Max | PCT95

PROFILE	CITY	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Acadêmica	Karlsruhe	43.79 Mbps	92.72 Mbps	136.51 Mbps
<input type="checkbox"/>	Internet Acadêmica	Unknown	82.57 Mbps	50.46 Mbps	133.03 Mbps

PROFILE	CITY	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Academica	Dubna	38.90 Mbps	77.61 Mbps	116.51 Mbps
<input type="checkbox"/>	Internet Academica	Appleton	10.77 Mbps	101.31 Mbps	112.08 Mbps
<input type="checkbox"/>	Internet Academica	Unknown	4.64 Mbps	63.75 Mbps	68.39 Mbps
<input type="checkbox"/>	Internet Academica	Silver Spring	714.36 Kbps	60.64 Mbps	61.35 Mbps
<input type="checkbox"/>	Internet Academica	Geneva	12.23 Mbps	46.66 Mbps	58.89 Mbps
<input type="checkbox"/>	Internet Academica	Gainesville	29.99 Mbps	26.51 Mbps	56.49 Mbps
<input type="checkbox"/>	Internet Academica	Villeurbanne	9.53 Mbps	40.83 Mbps	50.36 Mbps
<input type="checkbox"/>	Internet Academica	West Lafayette	17.64 Mbps	30.64 Mbps	48.27 Mbps

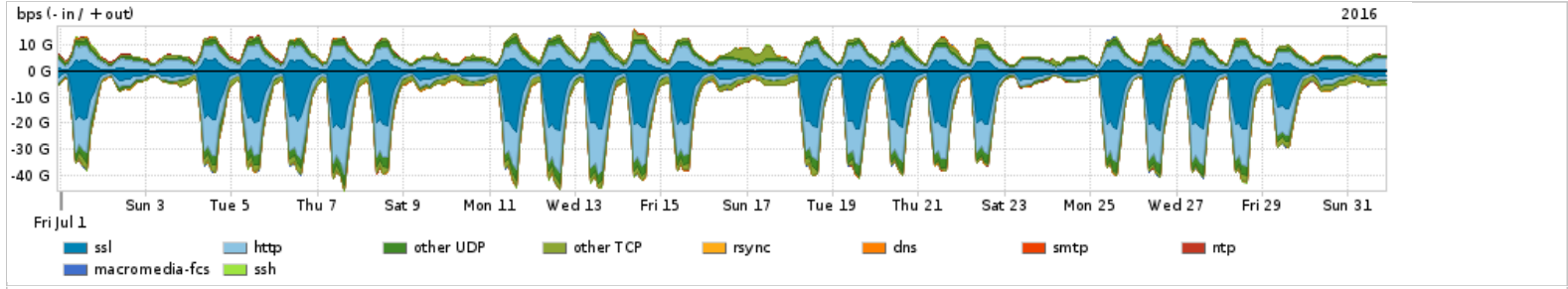
Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



Average | Max | PCT95

AS NAME	ASN	IN	OUT	TOTAL	
<input type="checkbox"/>	GOOGLE	15169	4.30 Gbps	789.01 Mbps	5.09 Gbps
<input type="checkbox"/>	FACEBOOK	32934		911.71 Mbps	1.01 Gbps
<input type="checkbox"/>	AKAMAI-ASN1	20940		936.20 Mbps	968.82 Mbps
<input type="checkbox"/>	NET	28573		126.55 Mbps	916.12 Mbps
<input type="checkbox"/>	MICROSOFTEU	8068		543.10 Mbps	639.86 Mbps
<input type="checkbox"/>	NULL	0		501.59 Mbps	626.94 Mbps
<input type="checkbox"/>	AMAZON-02	16509		368.89 Mbps	522.51 Mbps
<input type="checkbox"/>	Microsoft-MSN-AS	8075		191.32 Mbps	388.54 Mbps
<input type="checkbox"/>	NETFLIX	2906		345.23 Mbps	350.53 Mbps
<input type="checkbox"/>	GCEPSABR	28604		316.64 Mbps	339.80 Mbps
<input type="checkbox"/>	TELESP	27699		71.88 Mbps	329.58 Mbps
<input type="checkbox"/>	TASCOM	52871		282.43 Mbps	288.16 Mbps
<input type="checkbox"/>	Oi	7738		34.50 Mbps	287.55 Mbps
<input type="checkbox"/>	DROPTBOX	19679		174.25 Mbps	278.93 Mbps
<input type="checkbox"/>	ANDTUY	6057		6.79 Mbps	263.33 Mbps

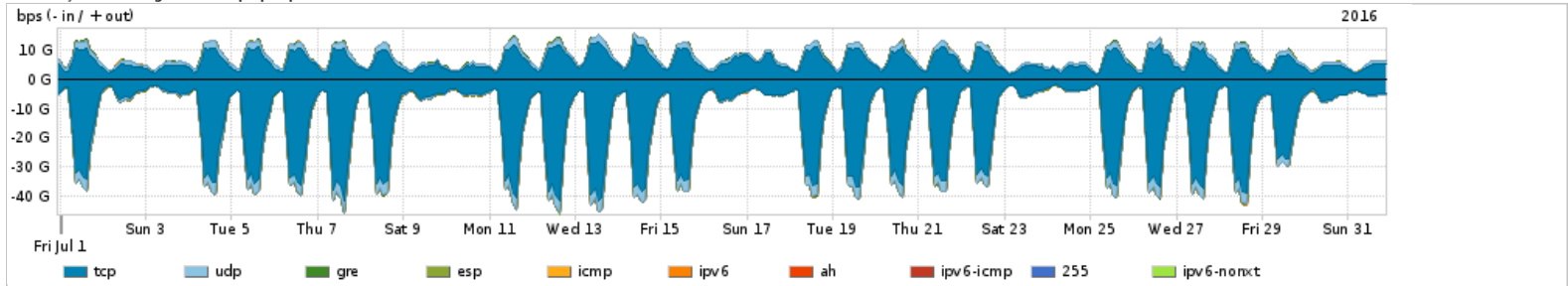
Distribuição do tráfego da rede Ipê por aplicação (análise nas camadas 3 e 4)



Average | Max | PCT95


APPLICATION	IN	OUT	TOTAL	
<input type="checkbox"/> ssl		7.22 Gbps	1.58 Gbps	8.80 Gbps
<input type="checkbox"/> http		4.91 Gbps	3.34 Gbps	8.25 Gbps
<input type="checkbox"/> other UDP		1.27 Gbps	1.13 Gbps	2.40 Gbps
<input type="checkbox"/> other TCP		1.45 Gbps	914.08 Mbps	2.36 Gbps
<input type="checkbox"/> rsync		93.24 Mbps	25.12 Mbps	118.37 Mbps
<input type="checkbox"/> dns		28.36 Mbps	64.55 Mbps	92.91 Mbps
<input type="checkbox"/> smtp		34.66 Mbps	49.05 Mbps	83.72 Mbps
<input type="checkbox"/> ntp		8.17 Mbps	68.41 Mbps	76.58 Mbps
<input type="checkbox"/> macromedia-fcs		54.73 Mbps	18.40 Mbps	73.14 Mbps
<input type="checkbox"/> ssh		32.91 Mbps	29.05 Mbps	61.96 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

PROTOCOL	IN	OUT	TOTAL	
<input type="checkbox"/> tcp		13.92 Gbps	6.08 Gbps	20.00 Gbps
<input type="checkbox"/> udp		1.33 Gbps	1.27 Gbps	2.59 Gbps
<input type="checkbox"/> gre		15.73 Mbps	67.59 Mbps	83.33 Mbps
<input type="checkbox"/> esp		39.20 Mbps	16.10 Mbps	55.30 Mbps
<input type="checkbox"/> icmp		5.76 Mbps	7.25 Mbps	13.00 Mbps
<input type="checkbox"/> ipv6		2.48 Mbps	1.05 Mbps	3.54 Mbps
<input type="checkbox"/> ah		817.42 Kbps	600.56 Kbps	1.42 Mbps
<input type="checkbox"/> ipv6-icmp		124.65 Kbps	108.13 Kbps	232.78 Kbps
<input type="checkbox"/> 255		1.00 bps	1.15 Kbps	1.15 Kbps

	PROTOCOL	IN	OUT	TOTAL
<input type="checkbox"/>	ipv6-nonxt		546.00 bps	546.00 bps

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