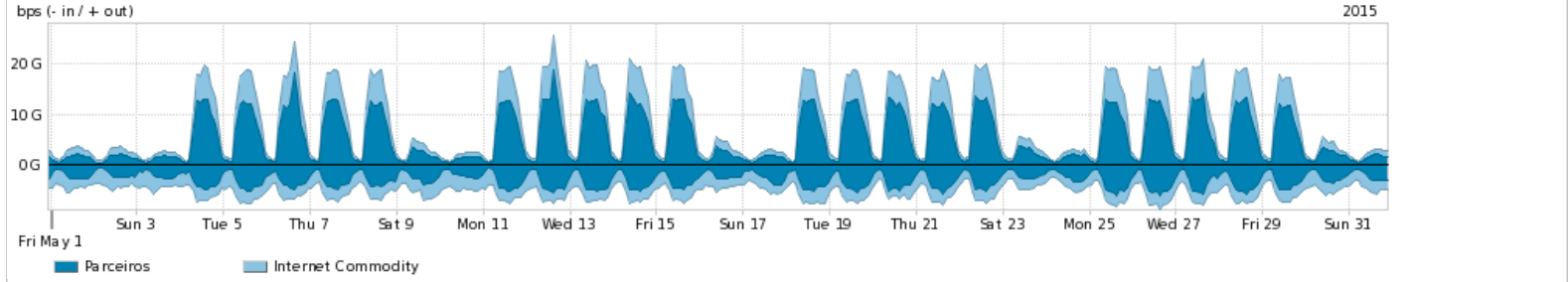


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).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

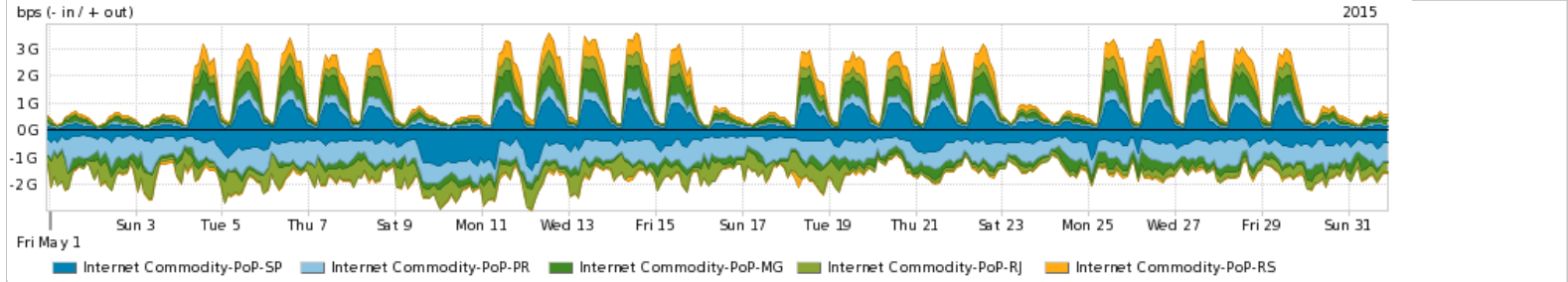
Tráfego agregado dos acessos comerciais da RNP



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Parceiros		2.94 Gbps	5.16 Gbps
<input checked="" type="checkbox"/> Internet Commodity		2.42 Gbps	2.75 Gbps

Utilização do serviço de Internet Commodity pelos PoPs da RNP

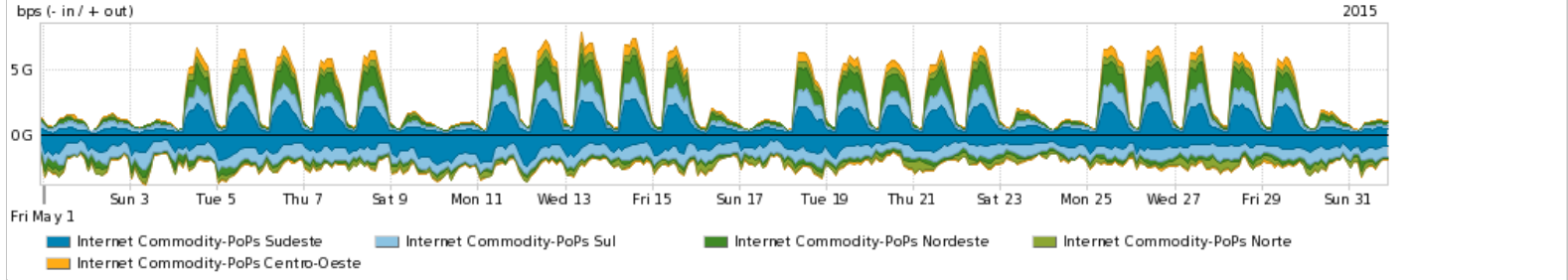


Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Commodity	PoP-SP	464.89 Mbps	420.59 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-PR	656.01 Mbps	153.00 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-MG	210.56 Mbps	318.41 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-RJ	338.00 Mbps	170.36 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-RS	50.46 Mbps	272.82 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-SC	92.36 Mbps	179.03 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PA	193.04 Mbps	49.54 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-DF	41.65 Mbps	150.61 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-CE	29.55 Mbps	141.54 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PE	54.55 Mbps	95.91 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PB	54.67 Mbps	80.26 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RN	7.69 Mbps	94.75 Mbps

PROFILE	PROFILE	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Commodity	PoP-GO	36.15 Mbps	65.82 Mbps	101.97 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PI	44.60 Mbps	56.11 Mbps	100.70 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-BA	23.46 Mbps	72.95 Mbps	96.42 Mbps

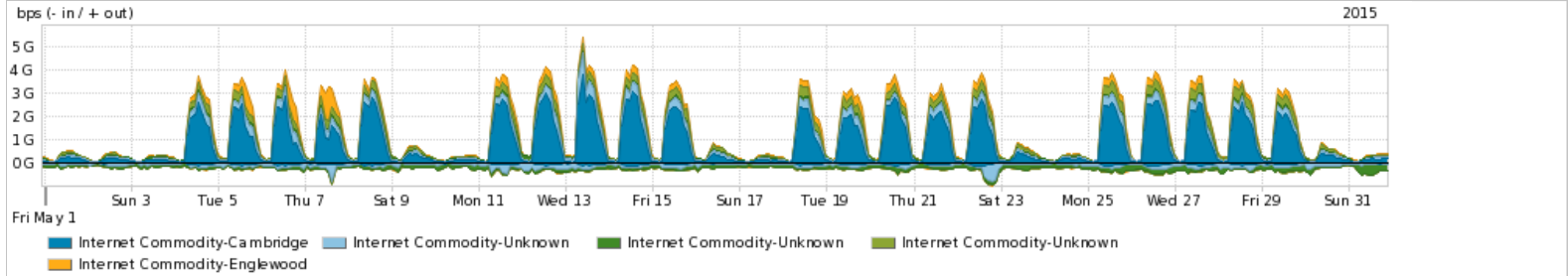
Utilização do serviço de Internet Commodity pelos PoPs da RNP agrupados por região



Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sudeste	1.05 Gbps	960.55 Mbps	2.01 Gbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sul	802.04 Mbps	634.00 Mbps	1.44 Gbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Nordeste	233.64 Mbps	654.12 Mbps	887.76 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Norte	237.02 Mbps	217.05 Mbps	454.07 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Centro-Oeste	94.04 Mbps	279.73 Mbps	373.77 Mbps

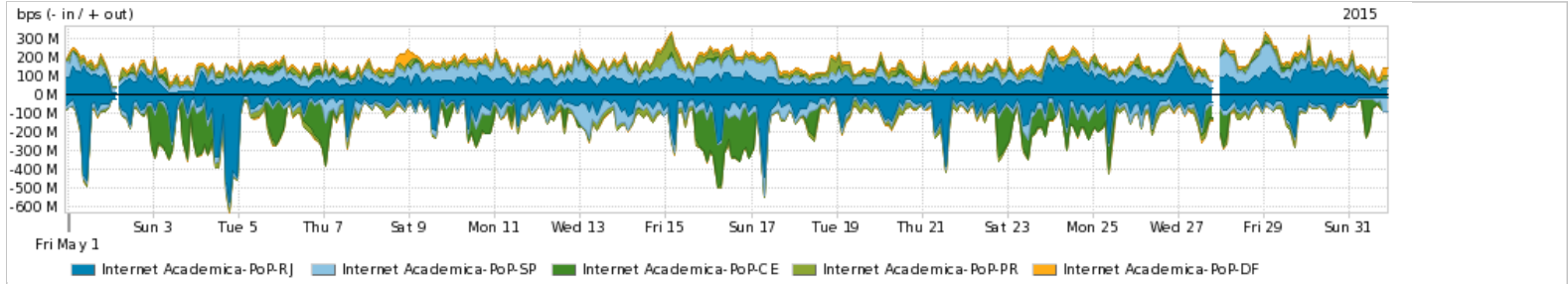
Interesse de tráfego do serviço de Internet Commodity por cidade



Average | Max | PCT95

PROFILE	CITY	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	Cambridge	37.00 Mbps	835.98 Mbps	872.98 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	97.54 Mbps	173.67 Mbps	271.21 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	132.18 Mbps	63.76 Mbps	195.95 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	13.36 Mbps	177.13 Mbps	190.48 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Englewood	1.51 Mbps	135.69 Mbps	137.20 Mbps
<input type="checkbox"/>	Internet Commodity	San Francisco	27.40 Mbps	99.52 Mbps	126.93 Mbps
<input type="checkbox"/>	Internet Commodity	Fuzhou	104.99 Mbps	164.88 Kbps	105.16 Mbps
<input type="checkbox"/>	Internet Commodity	Guangzhou	99.50 Mbps	653.47 Kbps	100.15 Mbps
<input type="checkbox"/>	Internet Commodity	Zhongxin	84.96 Mbps	883.89 Kbps	85.84 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	3.22 Mbps	79.68 Mbps	82.90 Mbps

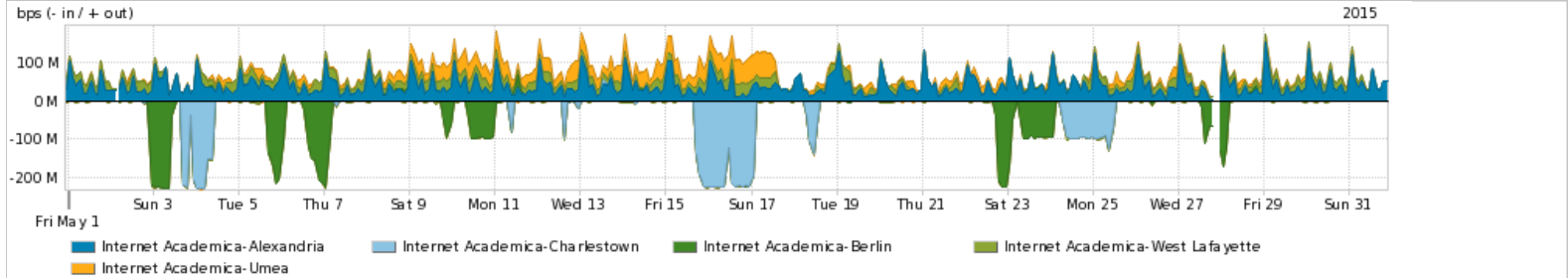
Distribuição do uso do serviço de Internet acadêmica internacional pelos PoPs da RNP



Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-RJ	73.82 Mbps	74.27 Mbps	148.08 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-SP	27.94 Mbps	44.75 Mbps	72.68 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-CE	38.84 Mbps	4.82 Mbps	43.66 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-PR	14.33 Mbps	21.70 Mbps	36.02 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-DF	2.11 Mbps	15.71 Mbps	17.83 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-RS	1.03 Mbps	10.87 Mbps	11.90 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-MG	3.92 Mbps	7.63 Mbps	11.55 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-SC	2.58 Mbps	6.25 Mbps	8.83 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-BA	492.76 Kbps	2.71 Mbps	3.20 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-PE	546.34 Kbps	1.23 Mbps	1.77 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-GO	356.20 Kbps	1.26 Mbps	1.62 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-ES	413.56 Kbps	1.14 Mbps	1.55 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-RN	68.28 Kbps	1.18 Mbps	1.25 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-PB	372.77 Kbps	754.08 Kbps	1.13 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-AL	77.46 Kbps	944.40 Kbps	1.02 Mbps

Interesse de trafego do serviço de Internet acadêmica internacional por cidades

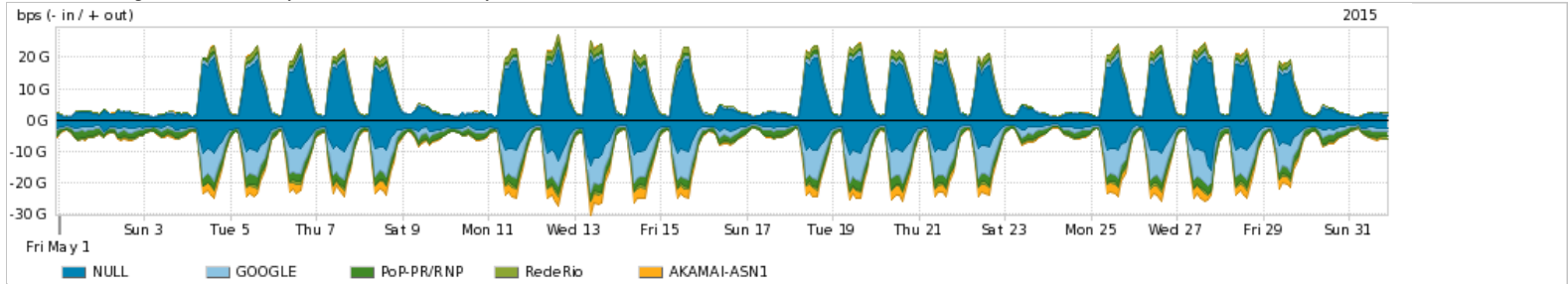


Average | Max | PCT95

PROFILE	CITY	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Acadêmica	Alexandria	591.88 Kbps	39.63 Mbps	40.23 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	Charlestown	19.22 Mbps	40.02 Kbps	19.26 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	Berlin	18.20 Mbps	288.85 Kbps	18.49 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	West Lafayette	1.16 Mbps	15.69 Mbps	16.86 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	Umea	77.85 Kbps	14.96 Mbps	15.04 Mbps

PROFILE	CITY	IN	OUT	TOTAL
<input type="checkbox"/>	Internet Academica	Unknown	5.14 Mbps	9.46 Mbps
<input type="checkbox"/>	Internet Academica	Geneva	10.09 Mbps	3.99 Mbps
<input type="checkbox"/>	Internet Academica	Karlsruhe	8.10 Mbps	5.97 Mbps
<input type="checkbox"/>	Internet Academica	Poznan	184.62 Kbps	13.09 Mbps
<input type="checkbox"/>	Internet Academica	Nashville	911.99 Kbps	10.51 Mbps

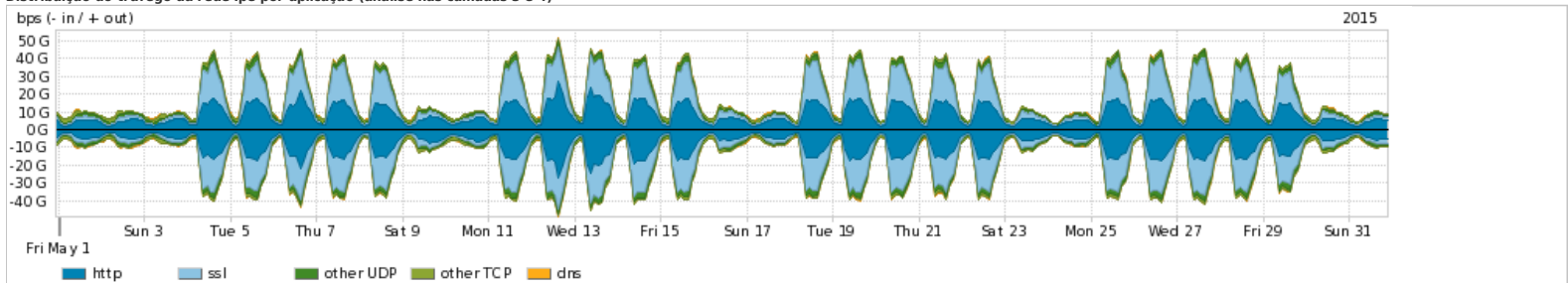
Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



Average | Max | PCT95

AS NAME	ASN	IN	OUT	TOTAL
<input checked="" type="checkbox"/> NULL		0	4.84 Gbps	6.80 Gbps
<input checked="" type="checkbox"/> GOOGLE	15169		3.34 Gbps	460.31 Mbps
<input checked="" type="checkbox"/> PoP-PR/RNP	10881		1.76 Gbps	425.88 Mbps
<input checked="" type="checkbox"/> RedeRio	2715		444.58 Mbps	654.25 Mbps
<input checked="" type="checkbox"/> AKAMAI-ASN1	20940		962.77 Mbps	39.95 Mbps
<input type="checkbox"/> NET	28573		89.75 Mbps	799.94 Mbps
<input type="checkbox"/> RedeTche	2716		135.55 Mbps	646.70 Mbps
<input type="checkbox"/> FACEBOOK	32934		669.62 Mbps	75.60 Mbps
<input type="checkbox"/> USPnet	28571		457.91 Mbps	218.83 Mbps
<input type="checkbox"/> PoP-BA/RNP	53164		3.56 Mbps	599.87 Mbps
<input type="checkbox"/> UFDCS	10715		88.73 Mbps	431.19 Mbps
<input type="checkbox"/> 263300	263300		218.34 Mbps	293.33 Mbps
<input type="checkbox"/> OVH	16276		108.81 Mbps	270.18 Mbps
<input type="checkbox"/> Microsoft-MSN-AS	8075		159.34 Mbps	195.55 Mbps
<input type="checkbox"/> SOFTLAYER	36351		302.61 Mbps	33.33 Mbps

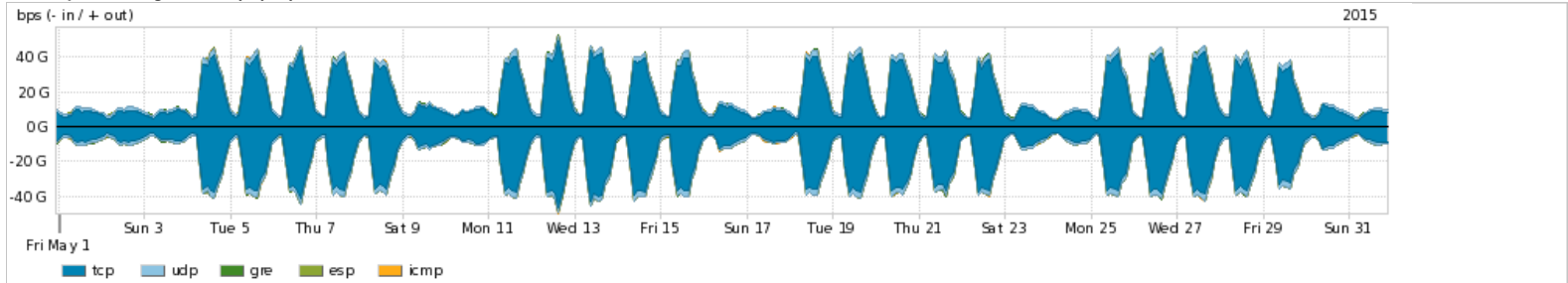
Distribuição do tráfego da rede Ipe por aplicação (análise nas camadas 3 e 4)



Average | Max | PCT95

	APPLICATION	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	http		8.17 Gbps	8.19 Gbps	16.36 Gbps
<input checked="" type="checkbox"/>	ssl		6.85 Gbps	7.28 Gbps	14.14 Gbps
<input checked="" type="checkbox"/>	other UDP		1.68 Gbps	1.76 Gbps	3.44 Gbps
<input checked="" type="checkbox"/>	other TCP		1.28 Gbps	1.30 Gbps	2.58 Gbps
<input checked="" type="checkbox"/>	dns		206.92 Mbps	207.60 Mbps	414.53 Mbps
<input type="checkbox"/>	macromedia-fcs		117.59 Mbps	120.88 Mbps	238.47 Mbps
<input type="checkbox"/>	rsync		123.11 Mbps	84.23 Mbps	207.34 Mbps
<input type="checkbox"/>	ssh		128.20 Mbps	66.81 Mbps	195.02 Mbps
<input type="checkbox"/>	ntp		51.26 Mbps	85.50 Mbps	136.77 Mbps
<input type="checkbox"/>	smtp		60.47 Mbps	59.22 Mbps	119.69 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

	PROTOCOL	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	tcp		16.90 Gbps	17.33 Gbps	34.24 Gbps
<input checked="" type="checkbox"/>	udp		1.93 Gbps	2.02 Gbps	3.95 Gbps
<input checked="" type="checkbox"/>	gre		72.08 Mbps	78.18 Mbps	150.26 Mbps
<input checked="" type="checkbox"/>	esp		44.50 Mbps	34.93 Mbps	79.43 Mbps
<input checked="" type="checkbox"/>	icmp		15.04 Mbps	15.08 Mbps	30.11 Mbps
<input type="checkbox"/>	ipv6		4.52 Mbps	4.25 Mbps	8.77 Mbps
<input type="checkbox"/>	ah		569.68 Kbps	568.73 Kbps	1.14 Mbps
<input type="checkbox"/>	pim		216.82 Kbps	1.00 Kbps	217.82 Kbps
<input type="checkbox"/>	ipv6-icmp		51.98 Kbps	4.86 Kbps	56.85 Kbps
<input type="checkbox"/>	252		9.58 Kbps	8.63 Kbps	18.21 Kbps

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