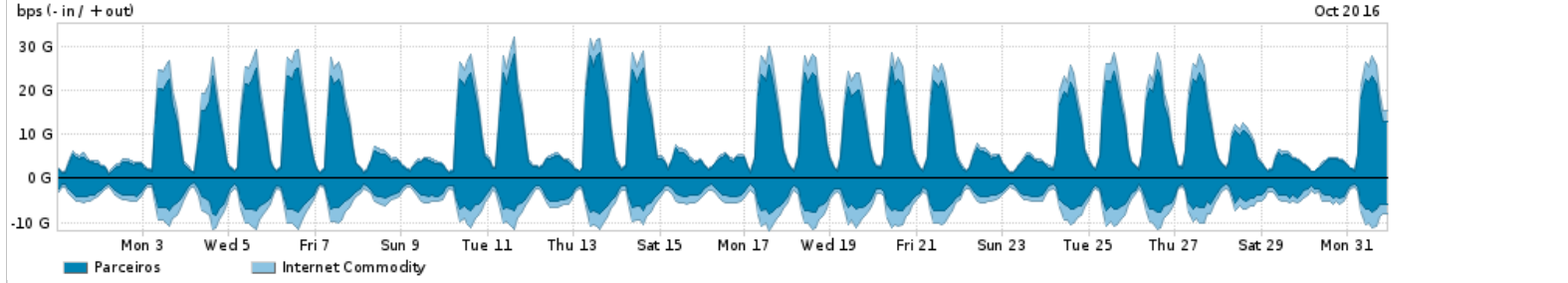


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).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

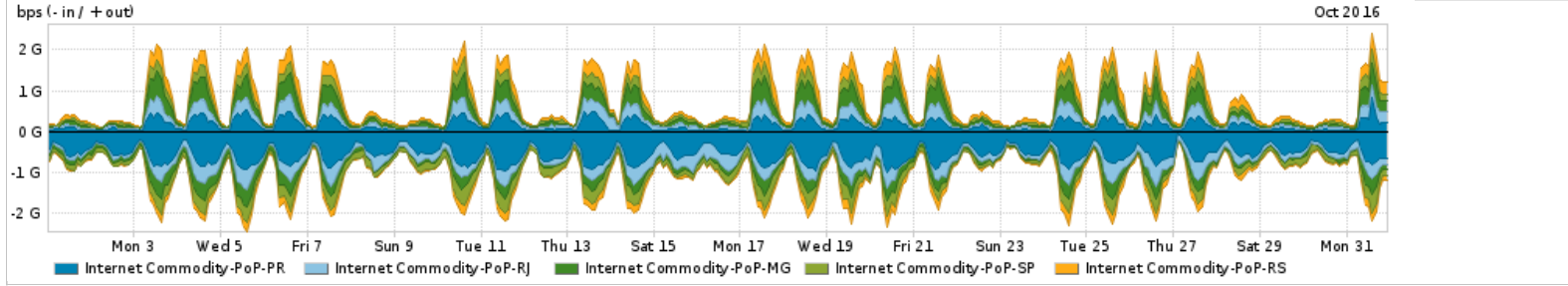
Tráfego agregado dos acessos comerciais da RNP



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Parceiros		4.24 Gbps	9.45 Gbps
<input checked="" type="checkbox"/> Internet Commodity		1.81 Gbps	3.37 Gbps

Utilização do serviço de Internet Commodity pelos PoPs da RNP

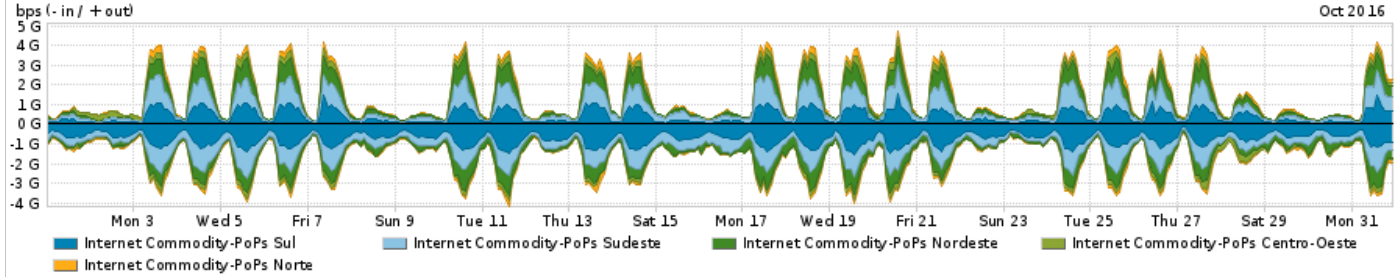


Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Commodity	PoP-PR	550.12 Mbps	146.16 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-RJ	184.23 Mbps	135.39 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-MG	132.60 Mbps	181.57 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-SP	166.22 Mbps	117.25 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-RS	81.64 Mbps	152.52 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-SC	113.90 Mbps	86.20 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-DF	70.75 Mbps	78.21 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PB	91.52 Mbps	36.12 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PE	53.53 Mbps	53.85 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-BA	41.75 Mbps	59.65 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-CE	39.46 Mbps	58.45 Mbps

PROFILE	PROFILE	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Commodity	PoP-RN	36.39 Mbps	52.00 Mbps	88.39 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-ES	37.54 Mbps	42.68 Mbps	80.22 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-MA	27.92 Mbps	30.28 Mbps	58.20 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-AM	29.42 Mbps	23.11 Mbps	52.53 Mbps

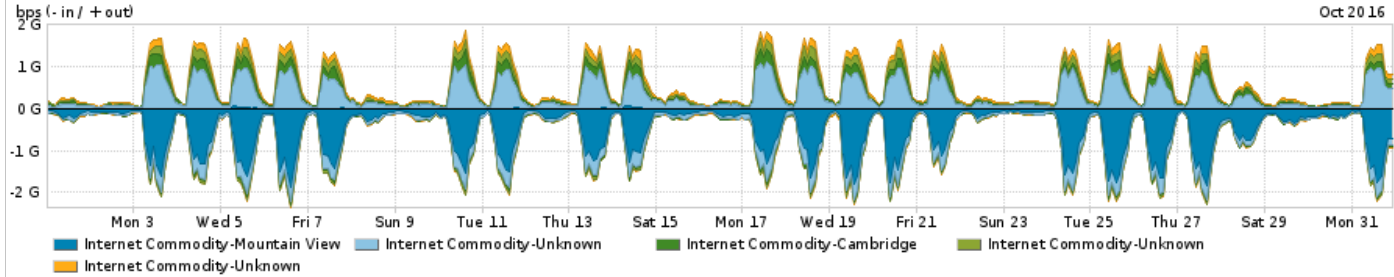
Utilização do serviço de Internet Commodity pelos PoPs da RNP agrupados por região



Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sul	745.65 Mbps	384.88 Mbps	1.13 Gbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sudeste	520.58 Mbps	476.89 Mbps	997.47 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Nordeste	333.06 Mbps	344.27 Mbps	677.33 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Centro-Oeste	105.65 Mbps	130.98 Mbps	236.63 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Norte	72.28 Mbps	103.54 Mbps	175.82 Mbps

Interesse de tráfego do serviço de Internet Commodity por cidade

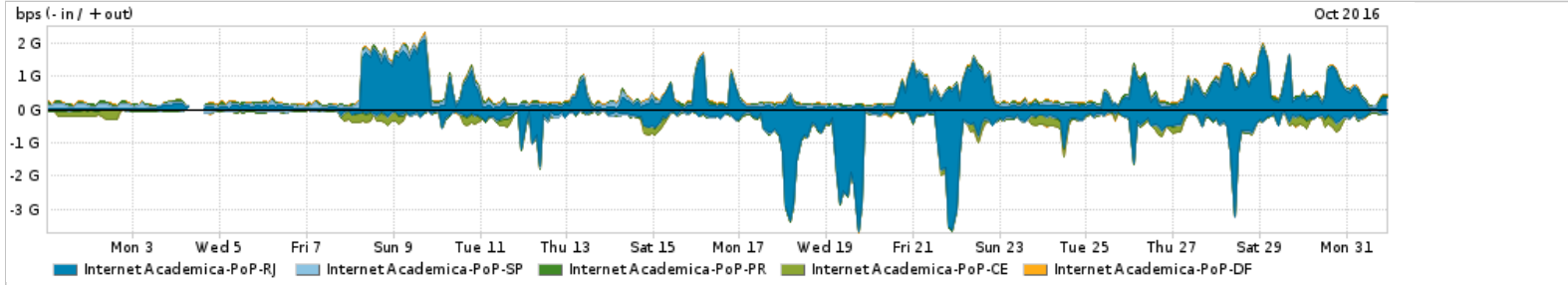


Average | Max | PCT95

PROFILE	CITY	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	Mountain View	501.85 Mbps	3.61 Mbps	505.47 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	134.73 Mbps	324.00 Mbps	458.74 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Cambridge	20.57 Mbps	85.10 Mbps	105.67 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	22.30 Mbps	76.62 Mbps	98.92 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	11.66 Mbps	78.71 Mbps	90.37 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	85.31 Mbps	77.74 Kbps	85.38 Mbps
<input type="checkbox"/>	Internet Commodity	San Francisco	25.23 Mbps	47.74 Mbps	72.98 Mbps
<input type="checkbox"/>	Internet Commodity	Manchester	3.09 Mbps	67.91 Mbps	71.01 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	10.22 Mbps	59.53 Mbps	69.75 Mbps

PROFILE	CITY	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Commodity	Unknown	16.77 Mbps	51.82 Mbps	68.59 Mbps

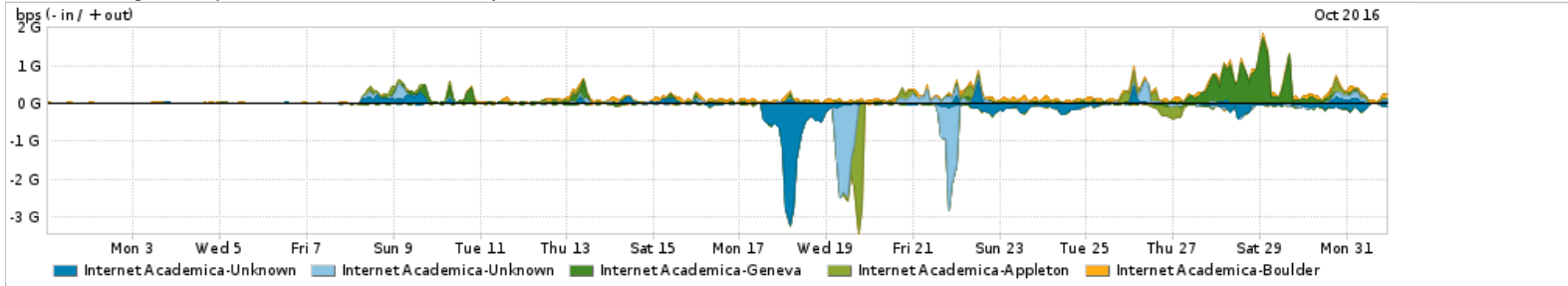
Distribuição do uso do serviço de Internet acadêmica internacional pelos PoPs da RNP



Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Academica	PoP-RJ	327.26 Mbps	352.08 Mbps	679.34 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-SP	29.65 Mbps	60.92 Mbps	90.57 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-PR	20.31 Mbps	34.02 Mbps	54.34 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-CE	48.98 Mbps	3.22 Mbps	52.20 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-DF	1.73 Mbps	23.81 Mbps	25.54 Mbps
<input type="checkbox"/>	Internet Academica	PoP-RS	2.65 Mbps	21.02 Mbps	23.67 Mbps
<input type="checkbox"/>	Internet Academica	PoP-MG	3.78 Mbps	18.14 Mbps	21.92 Mbps
<input type="checkbox"/>	Internet Academica	PoP-SC	1.56 Mbps	9.72 Mbps	11.28 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PE	1.45 Mbps	2.55 Mbps	4.00 Mbps
<input type="checkbox"/>	Internet Academica	PoP-AL	2.19 Mbps	1.67 Mbps	3.87 Mbps
<input type="checkbox"/>	Internet Academica	PoP-RN	125.39 Kbps	3.44 Mbps	3.57 Mbps
<input type="checkbox"/>	Internet Academica	PoP-ES	240.19 Kbps	2.24 Mbps	2.48 Mbps
<input type="checkbox"/>	Internet Academica	PoP-GO	351.38 Kbps	1.96 Mbps	2.31 Mbps
<input type="checkbox"/>	Internet Academica	PoP-BA	227.13 Kbps	1.56 Mbps	1.78 Mbps
<input type="checkbox"/>	Internet Academica	PoP-AM	211.66 Kbps	1.09 Mbps	1.30 Mbps

Interesse de trafego do serviço de Internet acadêmica internacional por cidades

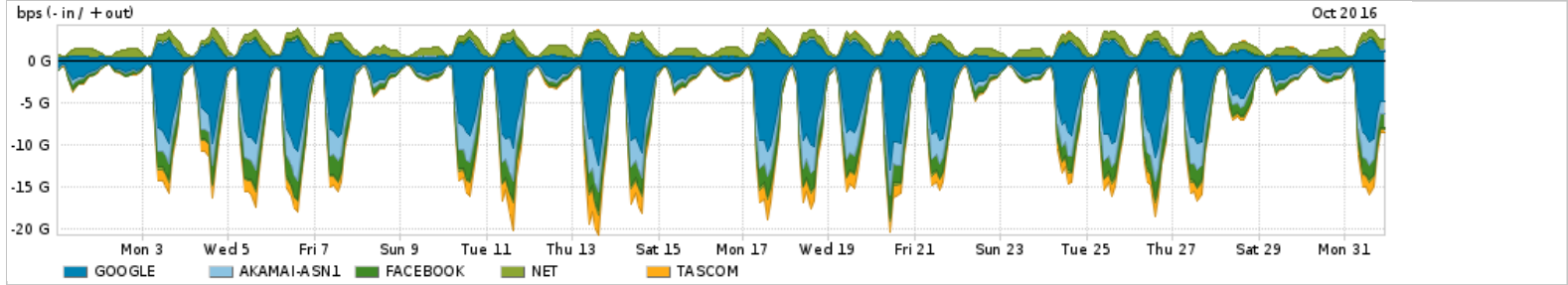


Average | Max | PCT95

PROFILE	CITY	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Academica	Unknown	80.43 Mbps	20.65 Mbps	101.08 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Unknown	57.50 Mbps	26.38 Mbps	83.89 Mbps

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Academica	Geneva	6.82 Mbps	64.53 Mbps	71.35 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Appleton	29.17 Mbps	26.17 Mbps	55.34 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Boulder	942.12 Kbps	43.98 Mbps	44.92 Mbps
<input type="checkbox"/>	Internet Academica	Gainesville	17.02 Mbps	25.33 Mbps	42.35 Mbps
<input type="checkbox"/>	Internet Academica	Unknown	4.58 Mbps	34.65 Mbps	39.23 Mbps
<input type="checkbox"/>	Internet Academica	Huntsville	20.29 Mbps	18.76 Mbps	39.05 Mbps
<input type="checkbox"/>	Internet Academica	Unknown	16.14 Mbps	22.50 Mbps	38.64 Mbps
<input type="checkbox"/>	Internet Academica	Silver Spring	857.63 Kbps	35.80 Mbps	36.66 Mbps

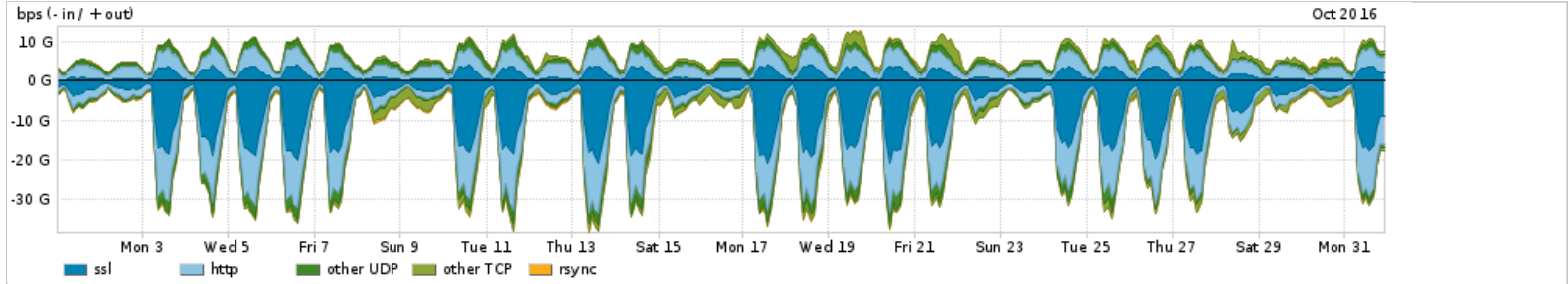
Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



Average | Max | PCT95

	AS NAME	ASN	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	GOOGLE	15169	3.67 Gbps	862.00 Mbps	4.53 Gbps
<input checked="" type="checkbox"/>	AKAMAI-ASN1	20940	1.08 Gbps	40.43 Mbps	1.12 Gbps
<input checked="" type="checkbox"/>	FACEBOOK	32934	892.92 Mbps	86.00 Mbps	978.92 Mbps
<input checked="" type="checkbox"/>	NET	28573	129.59 Mbps	716.81 Mbps	846.40 Mbps
<input checked="" type="checkbox"/>	TASCOM	52871	498.34 Mbps	6.72 Mbps	505.06 Mbps
<input type="checkbox"/>	AMAZON-02	16509	374.41 Mbps	104.60 Mbps	479.01 Mbps
<input type="checkbox"/>	MICROSOFTEU	8068	404.92 Mbps	68.62 Mbps	473.54 Mbps
<input type="checkbox"/>	APPLE-AUSTIN	6185	389.40 Mbps	6.75 Mbps	396.15 Mbps
<input type="checkbox"/>	APPLE	714	78.50 Mbps	249.61 Mbps	328.11 Mbps
<input type="checkbox"/>	NULL	0	262.67 Mbps	54.31 Mbps	316.98 Mbps
<input type="checkbox"/>	Oi	7738	47.91 Mbps	266.89 Mbps	314.80 Mbps
<input type="checkbox"/>	G8	28329	306.86 Mbps	4.00 Mbps	310.86 Mbps
<input type="checkbox"/>	DROPBOX	19679	198.72 Mbps	108.68 Mbps	307.40 Mbps
<input type="checkbox"/>	OVH	16276	228.26 Mbps	55.57 Mbps	283.83 Mbps
<input type="checkbox"/>	Microsoft-MSN-AS	8075	168.68 Mbps	106.50 Mbps	275.18 Mbps

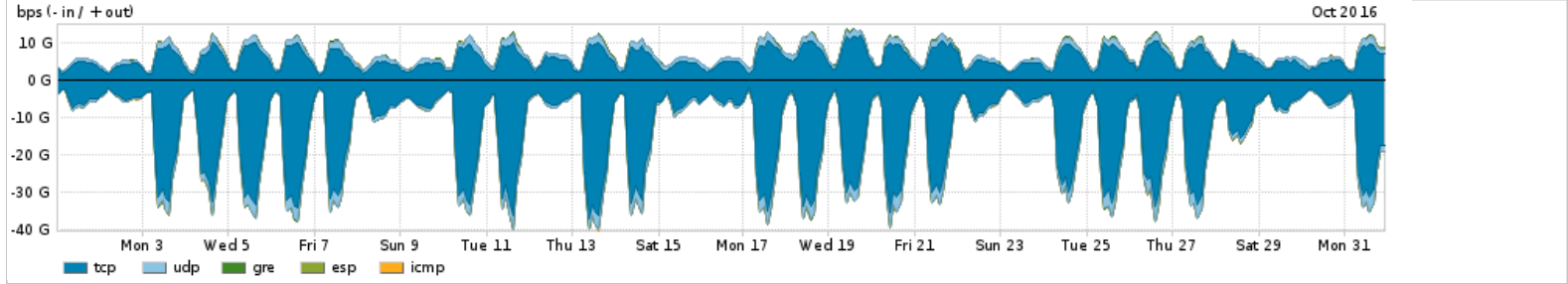
Distribuição do tráfego da rede Ipê por aplicação (análise nas camadas 3 e 4)



Average | Max | PCT95


	APPLICATION	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	ssl		6.82 Gbps	1.50 Gbps	8.31 Gbps
<input checked="" type="checkbox"/>	http		4.68 Gbps	2.99 Gbps	7.67 Gbps
<input checked="" type="checkbox"/>	other UDP		1.02 Gbps	1.03 Gbps	2.06 Gbps
<input checked="" type="checkbox"/>	other TCP		1.08 Gbps	847.41 Mbps	1.93 Gbps
<input checked="" type="checkbox"/>	rsync		194.88 Mbps	38.84 Mbps	233.71 Mbps
<input type="checkbox"/>	quit		153.14 Mbps	24.53 Mbps	177.67 Mbps
<input type="checkbox"/>	ssh		40.23 Mbps	34.77 Mbps	75.00 Mbps
<input type="checkbox"/>	dns		29.18 Mbps	38.00 Mbps	67.18 Mbps
<input type="checkbox"/>	rdp		38.37 Mbps	22.40 Mbps	60.77 Mbps
<input type="checkbox"/>	smtp		31.27 Mbps	29.33 Mbps	60.60 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

	PROTOCOL	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	tcp		13.25 Gbps	5.62 Gbps	18.87 Gbps
<input checked="" type="checkbox"/>	udp		1.29 Gbps	1.17 Gbps	2.46 Gbps
<input checked="" type="checkbox"/>	gre		20.23 Mbps	74.23 Mbps	94.46 Mbps
<input checked="" type="checkbox"/>	esp		21.20 Mbps	11.71 Mbps	32.91 Mbps
<input checked="" type="checkbox"/>	icmp		5.26 Mbps	7.62 Mbps	12.87 Mbps
<input type="checkbox"/>	ipv6		1.32 Mbps	419.62 Kbps	1.74 Mbps
<input type="checkbox"/>	ah		639.72 Kbps	101.13 Kbps	740.85 Kbps
<input type="checkbox"/>	ipv6-icmp		356.60 Kbps	371.58 Kbps	728.17 Kbps
<input type="checkbox"/>	255		0.00 bps	2.82 Kbps	2.82 Kbps

	PROTOCOL	IN	OUT	TOTAL
<input type="checkbox"/>	ipv6-nonxt		462.00 bps	0.00 bps 462.00 bps

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