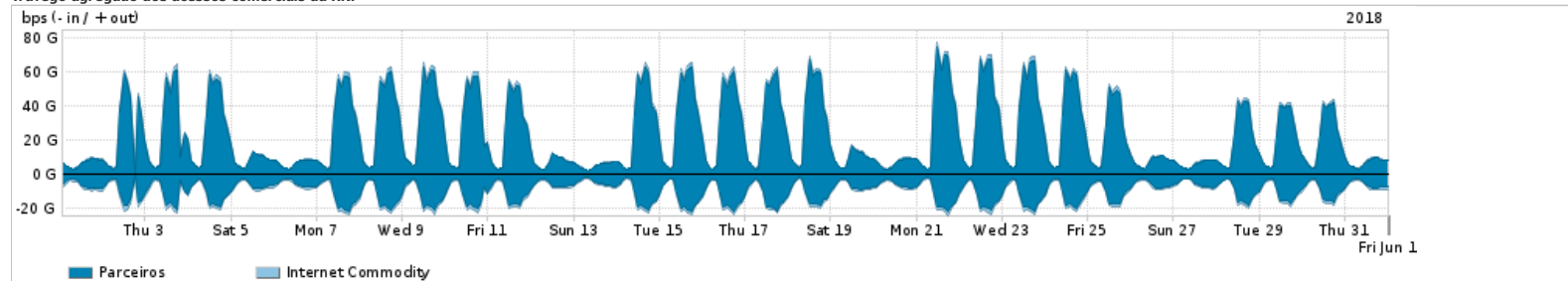


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).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

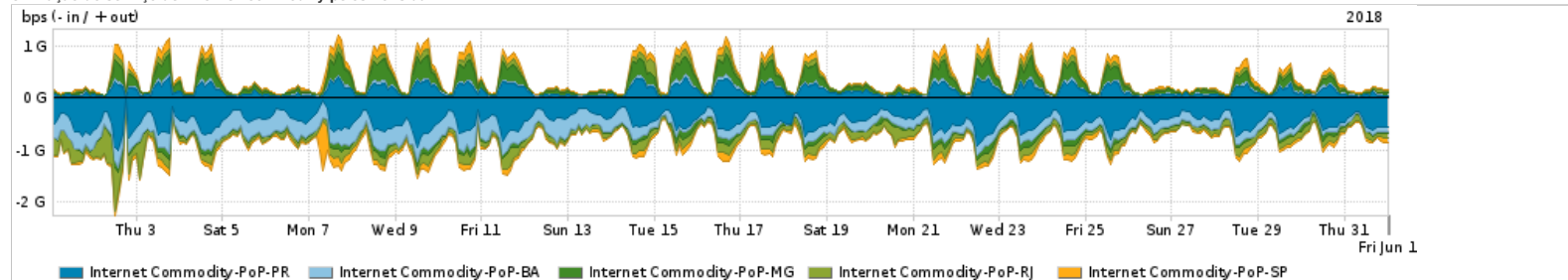
### Tráfego agregado dos acessos comerciais da RNP



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Parceiros	9.68 Gbps	22.21 Gbps	31.89 Gbps
<input checked="" type="checkbox"/> Internet Commodity	1.23 Gbps	927.30 Mbps	2.16 Gbps

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

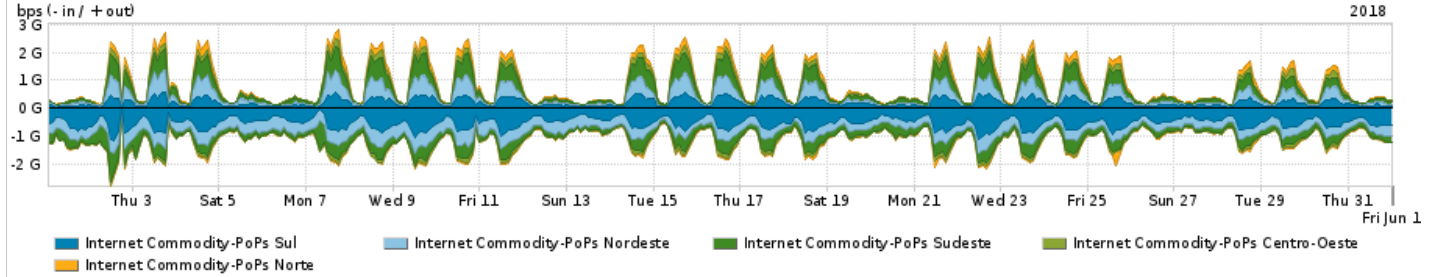


Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Internet Commodity	PoP-PR	455.55 Mbps	129.93 Mbps	585.47 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-BA	213.53 Mbps	18.87 Mbps	232.40 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-MG	48.80 Mbps	132.36 Mbps	181.16 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-RJ	123.35 Mbps	45.83 Mbps	169.18 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-SP	60.18 Mbps	61.61 Mbps	121.79 Mbps
<input type="checkbox"/> Internet Commodity	PoP-SC	74.05 Mbps	19.84 Mbps	93.89 Mbps
<input type="checkbox"/> Internet Commodity	PoP-PE	24.30 Mbps	40.08 Mbps	64.38 Mbps
<input type="checkbox"/> Internet Commodity	PoP-RN	41.38 Mbps	22.60 Mbps	63.97 Mbps
<input type="checkbox"/> Internet Commodity	PoP-DF	37.77 Mbps	24.63 Mbps	62.40 Mbps
<input type="checkbox"/> Internet Commodity	PoP-CE	11.87 Mbps	43.03 Mbps	54.90 Mbps
<input type="checkbox"/> Internet Commodity	PoP-PB	23.73 Mbps	31.04 Mbps	54.78 Mbps

	PROFILE	PROFILE	IN	OUT	TOTAL
<input type="checkbox"/>	Internet Commodity	PoP-RS	9.37 Mbps	38.34 Mbps	47.71 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-ES	22.18 Mbps	24.14 Mbps	46.32 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PA	7.19 Mbps	37.74 Mbps	44.93 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-GO	12.43 Mbps	32.17 Mbps	44.59 Mbps

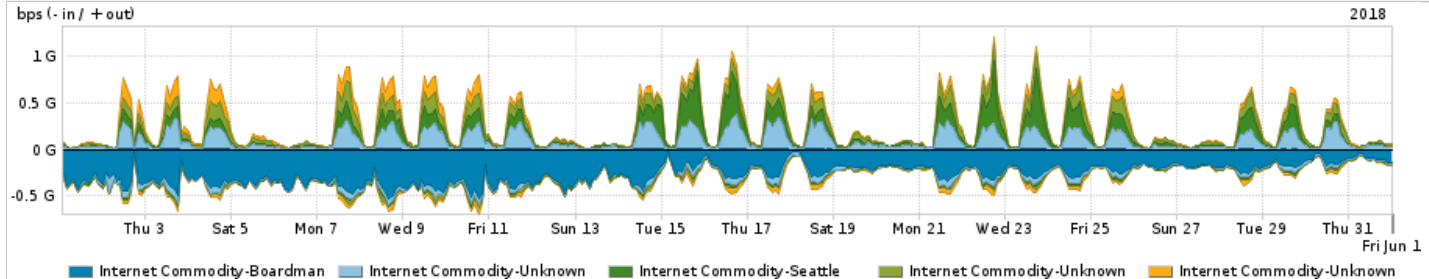
Utilização do serviço de Internet Commodity pelos PoPs da RNP agrupados por região



Average | Max | PCT95

	PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sul	538.96 Mbps	188.10 Mbps	727.07 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Nordeste	335.33 Mbps	231.20 Mbps	566.52 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sudeste	254.51 Mbps	263.94 Mbps	518.45 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Centro-Oeste	60.68 Mbps	78.99 Mbps	139.66 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Norte	28.79 Mbps	96.23 Mbps	125.02 Mbps

Interesse de tráfego do serviço de Internet Commodity por cidade

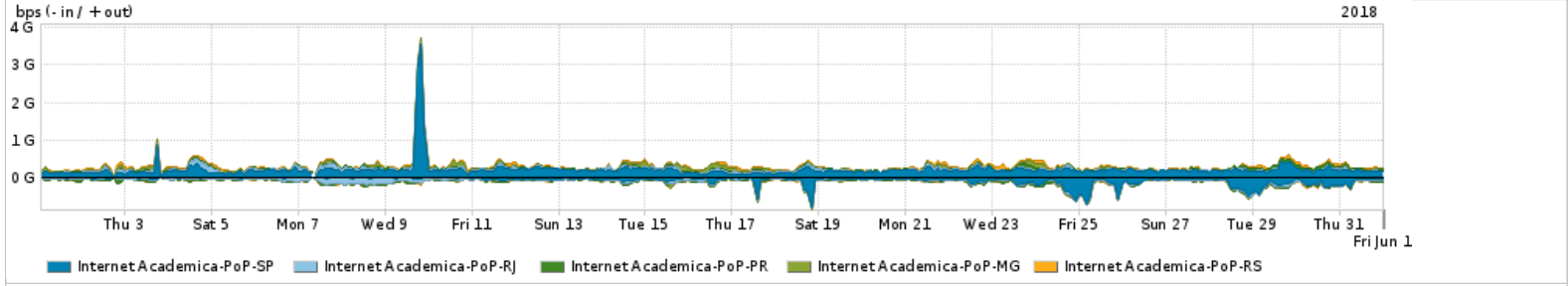


Average | Max | PCT95

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Commodity	Boardman	260.53 Mbps	3.34 Mbps	263.87 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	28.77 Mbps	94.54 Mbps	123.31 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Seattle	6.96 Mbps	73.75 Mbps	80.71 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	12.17 Mbps	59.81 Mbps	71.98 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	14.90 Mbps	38.96 Mbps	53.86 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	9.91 Mbps	39.53 Mbps	49.45 Mbps
<input type="checkbox"/>	Internet Commodity	Cambridge	8.34 Mbps	41.00 Mbps	49.34 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	7.69 Mbps	41.20 Mbps	48.89 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	8.92 Mbps	27.65 Mbps	36.57 Mbps

PROFILE	CITY	IN	OUT	TOTAL
<input type="checkbox"/> Internet Commodity	Buenos Aires	31.42 Mbps	1.14 Mbps	32.56 Mbps

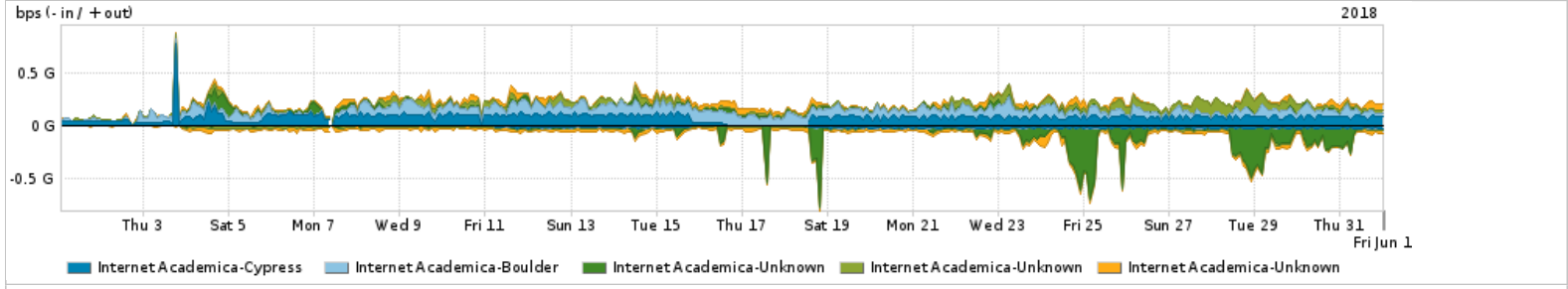
Distribuição do uso do serviço de Internet acadêmica internacional pelos PoPs da RNP



Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Internet Academica	PoP-SP	83.76 Mbps	192.95 Mbps	276.71 Mbps
<input checked="" type="checkbox"/> Internet Academica	PoP-RJ	40.66 Mbps	33.52 Mbps	74.18 Mbps
<input checked="" type="checkbox"/> Internet Academica	PoP-PR	18.26 Mbps	19.61 Mbps	37.87 Mbps
<input checked="" type="checkbox"/> Internet Academica	PoP-MG	3.94 Mbps	28.21 Mbps	32.15 Mbps
<input checked="" type="checkbox"/> Internet Academica	PoP-RS	2.13 Mbps	28.72 Mbps	30.86 Mbps
<input type="checkbox"/> Internet Academica	PoP-SC	2.00 Mbps	21.28 Mbps	23.27 Mbps
<input type="checkbox"/> Internet Academica	PoP-CE	1.39 Mbps	16.37 Mbps	17.76 Mbps
<input type="checkbox"/> Internet Academica	PoP-DF	3.26 Mbps	10.49 Mbps	13.76 Mbps
<input type="checkbox"/> Internet Academica	PoP-PA	504.17 Kbps	12.34 Mbps	12.85 Mbps
<input type="checkbox"/> Internet Academica	PoP-ES	513.79 Kbps	9.69 Mbps	10.21 Mbps
<input type="checkbox"/> Internet Academica	PoP-RN	771.57 Kbps	5.42 Mbps	6.19 Mbps
<input type="checkbox"/> Internet Academica	PoP-GO	285.75 Kbps	4.01 Mbps	4.29 Mbps
<input type="checkbox"/> Internet Academica	PoP-BA	592.85 Kbps	2.98 Mbps	3.57 Mbps
<input type="checkbox"/> Internet Academica	PoP-PE	631.16 Kbps	2.42 Mbps	3.05 Mbps
<input type="checkbox"/> Internet Academica	PoP-PB	638.57 Kbps	976.94 Kbps	1.62 Mbps

Interesse de trafego do serviço de Internet acadêmica internacional por cidades

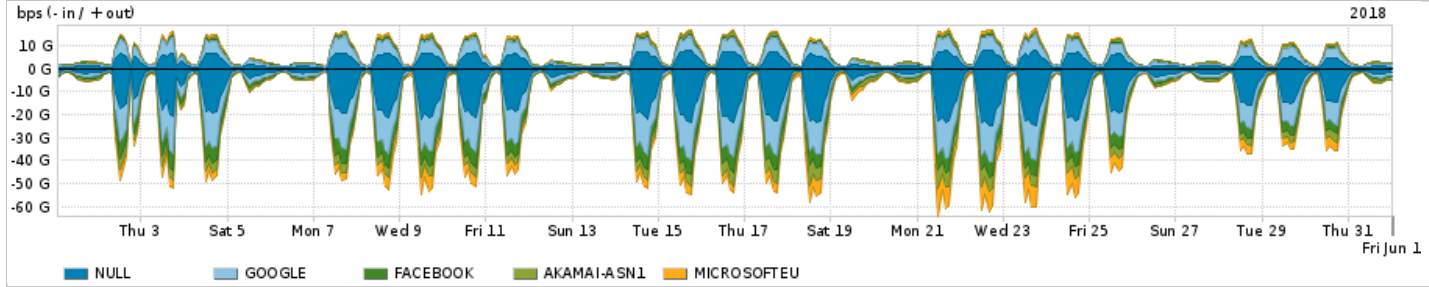


Average | Max | PCT95

PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Internet Academica	Cypress	12.28 Mbps	76.11 Mbps	88.39 Mbps
<input checked="" type="checkbox"/> Internet Academica	Boulder	1.29 Mbps	69.06 Mbps	70.35 Mbps

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Academica	Unknown	43.78 Mbps	8.81 Mbps	52.59 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Unknown	10.10 Mbps	34.51 Mbps	44.62 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Unknown	22.05 Mbps	18.14 Mbps	40.19 Mbps
<input type="checkbox"/>	Internet Academica	Potomac	273.44 Kbps	20.21 Mbps	20.48 Mbps
<input type="checkbox"/>	Internet Academica	Unknown	2.83 Mbps	10.23 Mbps	13.06 Mbps
<input type="checkbox"/>	Internet Academica	Sioux Falls	1.46 Mbps	11.22 Mbps	12.68 Mbps
<input type="checkbox"/>	Internet Academica	Silver Spring	1.18 Mbps	10.85 Mbps	12.04 Mbps
<input type="checkbox"/>	Internet Academica	Huntsville	1.42 Mbps	9.03 Mbps	10.45 Mbps

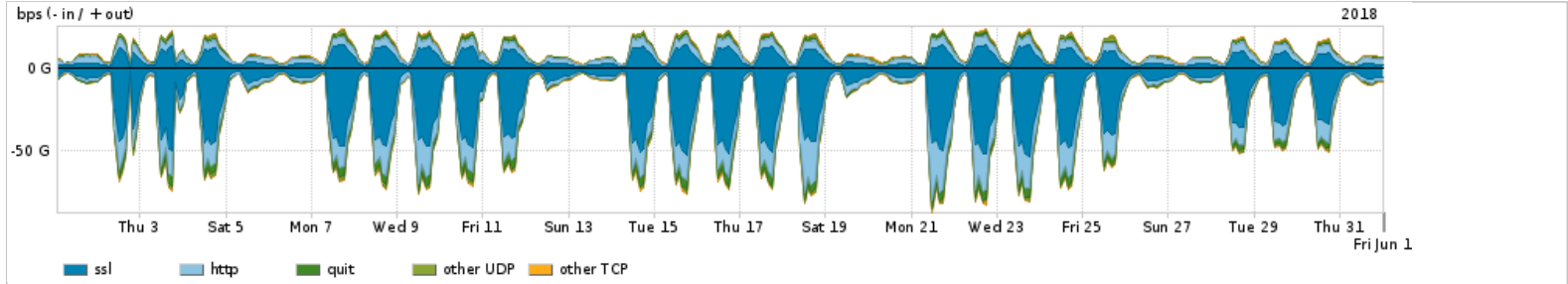
Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



Average | Max | PCT95

	AS NAME	ASN	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	NULL	0	7.42 Gbps	2.71 Gbps	10.13 Gbps
<input checked="" type="checkbox"/>	GOOGLE	15169	4.96 Gbps	2.44 Gbps	7.40 Gbps
<input checked="" type="checkbox"/>	FACEBOOK	32934	2.39 Gbps	199.88 Mbps	2.59 Gbps
<input checked="" type="checkbox"/>	AKAMAI-ASN1	20940	1.87 Gbps	651.70 Mbps	2.52 Gbps
<input checked="" type="checkbox"/>	MICROSOFTEU	8068	2.09 Gbps	358.78 Mbps	2.45 Gbps
<input type="checkbox"/>	AMAZON-02	16509	836.28 Mbps	373.76 Mbps	1.21 Gbps
<input type="checkbox"/>	CLARO	28573	162.81 Mbps	873.86 Mbps	1.04 Gbps
<input type="checkbox"/>	NETFLIX	2906	887.38 Mbps	18.34 Mbps	905.73 Mbps
<input type="checkbox"/>	EDGECAST	15133	636.34 Mbps	21.20 Mbps	657.54 Mbps
<input type="checkbox"/>	GCEPSA-BR	28604	585.95 Mbps	21.51 Mbps	607.46 Mbps
<input type="checkbox"/>	APPLE	714	196.27 Mbps	336.72 Mbps	532.99 Mbps
<input type="checkbox"/>	MICROSOFT-CORP-MSN-AS-BLOCK	8075	232.84 Mbps	290.66 Mbps	523.50 Mbps
<input type="checkbox"/>	TELEFNICA-BRASIL-SA-BR	27699	92.84 Mbps	279.81 Mbps	372.65 Mbps
<input type="checkbox"/>	DROPBOX	19679	223.03 Mbps	109.33 Mbps	332.37 Mbps
<input type="checkbox"/>	LEVEL3-AS3549	3549	274.17 Mbps	23.65 Mbps	297.82 Mbps

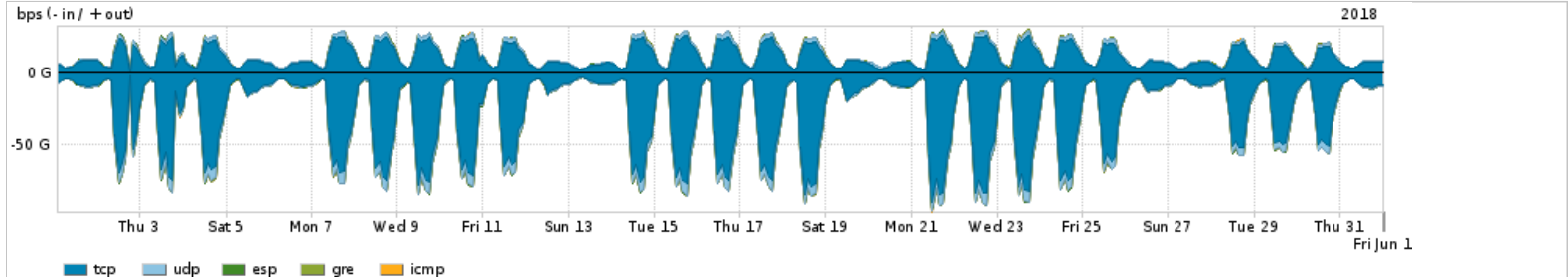
Distribuição do tráfego da rede Ipê por aplicação (análise nas camadas 3 e 4)



Average | Max | PCT95


	APPLICATION	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	ssl	16.87 Gbps	5.62 Gbps	22.50 Gbps
<input checked="" type="checkbox"/>	http	6.48 Gbps	3.29 Gbps	9.77 Gbps
<input checked="" type="checkbox"/>	quit	1.73 Gbps	502.45 Mbps	2.23 Gbps
<input checked="" type="checkbox"/>	other UDP	556.91 Mbps	746.02 Mbps	1.30 Gbps
<input checked="" type="checkbox"/>	other TCP	649.45 Mbps	477.25 Mbps	1.13 Gbps
<input type="checkbox"/>	rsync	113.09 Mbps	42.54 Mbps	155.63 Mbps
<input type="checkbox"/>	ntp	9.86 Mbps	136.15 Mbps	146.02 Mbps
<input type="checkbox"/>	ssh	55.57 Mbps	49.00 Mbps	104.57 Mbps
<input type="checkbox"/>	smtp	30.72 Mbps	39.71 Mbps	70.43 Mbps
<input type="checkbox"/>	dns	30.33 Mbps	29.86 Mbps	60.19 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

	PROTOCOL	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	tcp	26.90 Gbps	11.57 Gbps	38.47 Gbps
<input checked="" type="checkbox"/>	udp	2.51 Gbps	1.51 Gbps	4.02 Gbps
<input checked="" type="checkbox"/>	esp	150.67 Mbps	38.81 Mbps	189.48 Mbps
<input checked="" type="checkbox"/>	gre	21.72 Mbps	133.31 Mbps	155.03 Mbps
<input checked="" type="checkbox"/>	icmp	8.06 Mbps	10.61 Mbps	18.67 Mbps
<input type="checkbox"/>	ipv6	2.96 Mbps	1.35 Mbps	4.31 Mbps
<input type="checkbox"/>	ipv6-icmp	1.67 Mbps	2.10 Mbps	3.76 Mbps
<input type="checkbox"/>	ipencap	11.86 Kbps	77.90 Kbps	89.76 Kbps
<input type="checkbox"/>	255	450.00 bps	6.70 Kbps	7.15 Kbps

	PROTOCOL	IN	OUT	TOTAL
<input type="checkbox"/>	ipv6-nonxt	712.00 bps	22.00 bps	734.00 bps

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