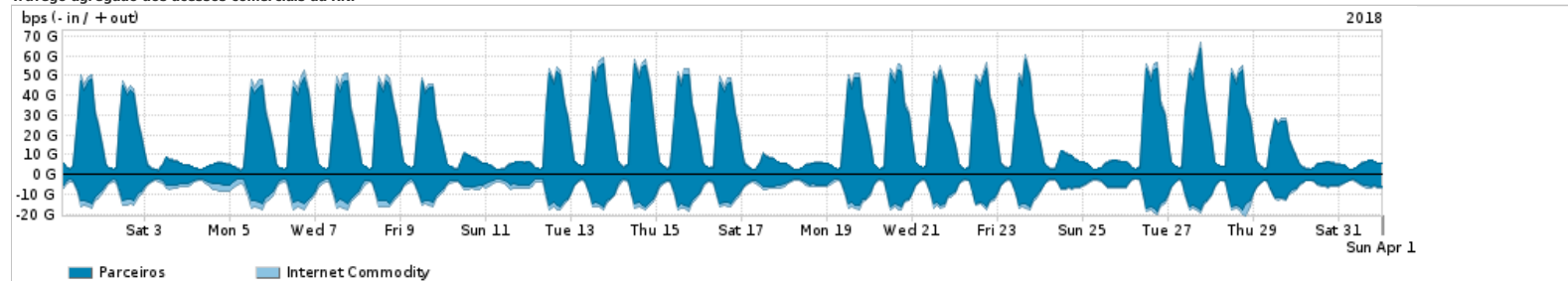


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).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

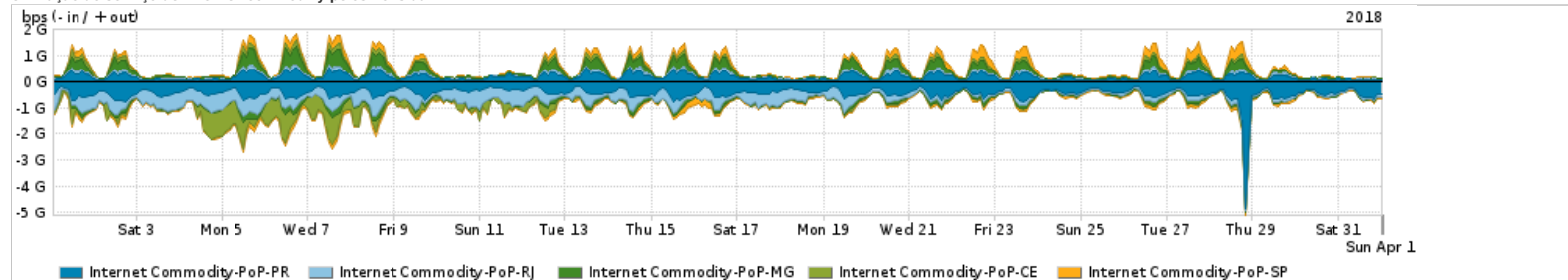
Tráfego agregado dos acessos comerciais da RNP



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Parceiros	7.88 Gbps	18.94 Gbps	26.82 Gbps
<input checked="" type="checkbox"/> Internet Commodity	1.45 Gbps	1.07 Gbps	2.51 Gbps

Utilização do serviço de Internet Commodity pelos PoPs da RNP

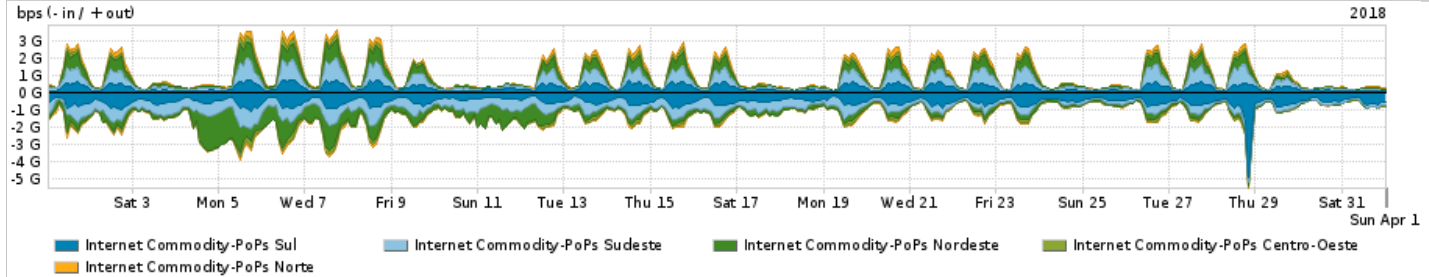


Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Internet Commodity	PoP-PR	460.19 Mbps	163.13 Mbps	623.32 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-RJ	272.46 Mbps	44.01 Mbps	316.47 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-MG	60.87 Mbps	162.01 Mbps	222.88 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-CE	127.06 Mbps	48.74 Mbps	175.80 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-SP	64.14 Mbps	99.66 Mbps	163.81 Mbps
<input type="checkbox"/> Internet Commodity	PoP-SC	91.01 Mbps	25.65 Mbps	116.66 Mbps
<input type="checkbox"/> Internet Commodity	PoP-MA	75.97 Mbps	37.48 Mbps	113.46 Mbps
<input type="checkbox"/> Internet Commodity	PoP-PE	31.55 Mbps	48.43 Mbps	79.98 Mbps
<input type="checkbox"/> Internet Commodity	PoP-PB	29.76 Mbps	37.15 Mbps	66.90 Mbps
<input type="checkbox"/> Internet Commodity	PoP-BA	50.04 Mbps	16.84 Mbps	66.87 Mbps
<input type="checkbox"/> Internet Commodity	PoP-RS	13.85 Mbps	52.44 Mbps	66.28 Mbps

	PROFILE	PROFILE	IN	OUT	TOTAL
<input type="checkbox"/>	Internet Commodity	PoP-PA	19.69 Mbps	39.57 Mbps	59.26 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-DF	40.48 Mbps	17.83 Mbps	58.31 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-GO	16.70 Mbps	33.71 Mbps	50.41 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-ES	16.91 Mbps	28.04 Mbps	44.95 Mbps

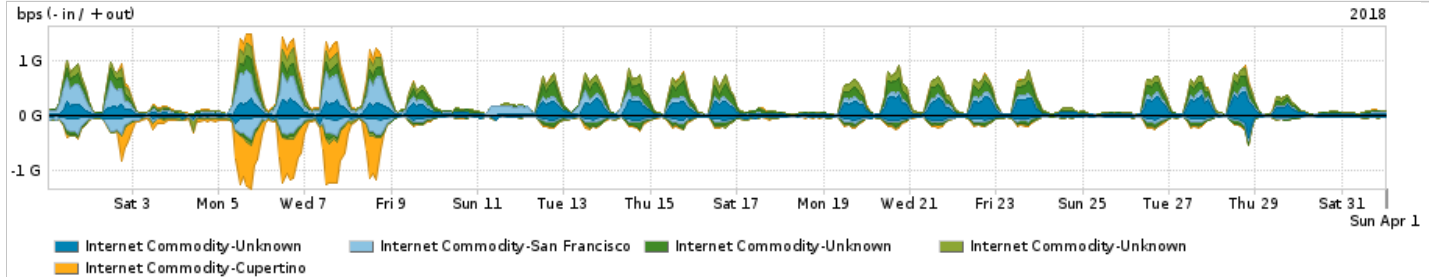
Utilização do serviço de Internet Commodity pelos PoPs da RNP agrupados por região



Average | Max | PCT95

	PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sul	565.04 Mbps	241.22 Mbps	806.27 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sudeste	414.37 Mbps	333.73 Mbps	748.11 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Nordeste	349.68 Mbps	262.54 Mbps	612.22 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Centro-Oeste	68.48 Mbps	77.39 Mbps	145.87 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Norte	42.10 Mbps	98.57 Mbps	140.67 Mbps

Interesse de tráfego do serviço de Internet Commodity por cidade

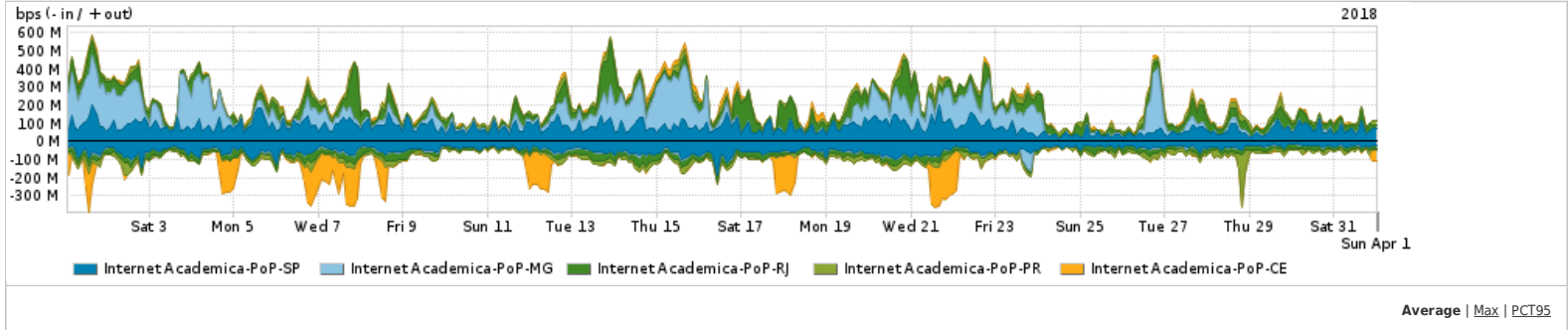


Average | Max | PCT95

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	36.93 Mbps	99.45 Mbps	136.38 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	San Francisco	39.61 Mbps	73.60 Mbps	113.21 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	17.92 Mbps	71.33 Mbps	89.25 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	15.65 Mbps	60.92 Mbps	76.57 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Cupertino	59.98 Mbps	14.14 Mbps	74.12 Mbps
<input type="checkbox"/>	Internet Commodity	Boardman	67.97 Mbps	3.15 Mbps	71.12 Mbps
<input type="checkbox"/>	Internet Commodity	Seattle	8.28 Mbps	49.29 Mbps	57.56 Mbps
<input type="checkbox"/>	Internet Commodity	Taipei	55.07 Mbps	164.72 Kbps	55.23 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	9.96 Mbps	45.20 Mbps	55.15 Mbps

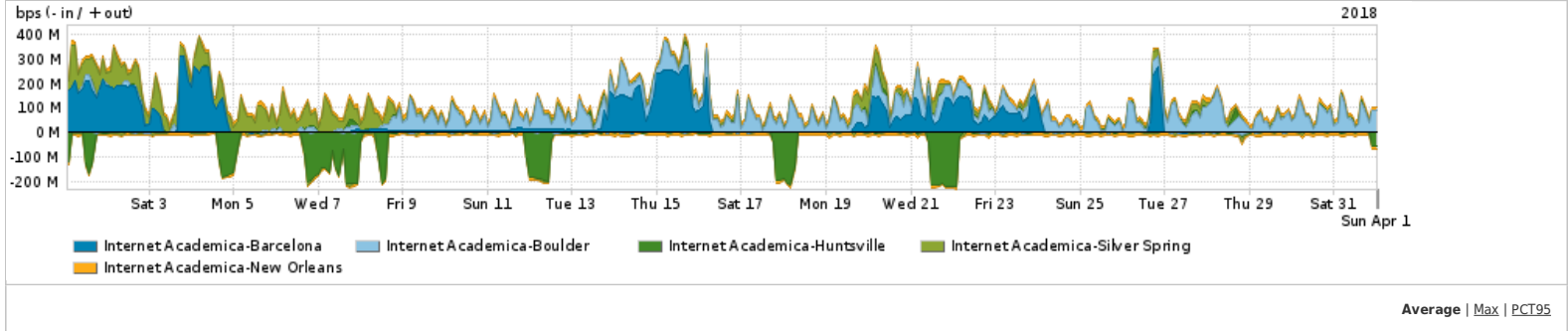
PROFILE	CITY	IN	OUT	TOTAL
<input type="checkbox"/> Internet Commodity	Hangzhou	53.80 Mbps	585.79 Kbps	54.38 Mbps

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



PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Internet Academica	PoP-SP	47.67 Mbps	77.60 Mbps	125.27 Mbps
<input checked="" type="checkbox"/> Internet Academica	PoP-MG	2.98 Mbps	70.55 Mbps	73.53 Mbps
<input checked="" type="checkbox"/> Internet Academica	PoP-RJ	23.39 Mbps	44.92 Mbps	68.30 Mbps
<input checked="" type="checkbox"/> Internet Academica	PoP-PR	17.45 Mbps	16.20 Mbps	33.66 Mbps
<input checked="" type="checkbox"/> Internet Academica	PoP-CE	24.82 Mbps	6.69 Mbps	31.50 Mbps
<input type="checkbox"/> Internet Academica	PoP-RS	1.62 Mbps	26.41 Mbps	28.03 Mbps
<input type="checkbox"/> Internet Academica	PoP-SC	2.86 Mbps	20.18 Mbps	23.04 Mbps
<input type="checkbox"/> Internet Academica	PoP-DF	2.28 Mbps	11.57 Mbps	13.85 Mbps
<input type="checkbox"/> Internet Academica	PoP-PA	913.16 Kbps	9.85 Mbps	10.76 Mbps
<input type="checkbox"/> Internet Academica	PoP-RN	502.53 Kbps	8.20 Mbps	8.70 Mbps
<input type="checkbox"/> Internet Academica	PoP-PE	1.20 Mbps	3.41 Mbps	4.61 Mbps
<input type="checkbox"/> Internet Academica	PoP-GO	213.48 Kbps	3.39 Mbps	3.61 Mbps
<input type="checkbox"/> Internet Academica	PoP-BA	708.28 Kbps	2.66 Mbps	3.37 Mbps
<input type="checkbox"/> Internet Academica	PoP-ES	173.23 Kbps	2.06 Mbps	2.23 Mbps
<input type="checkbox"/> Internet Academica	PoP-AM	438.28 Kbps	1.34 Mbps	1.78 Mbps

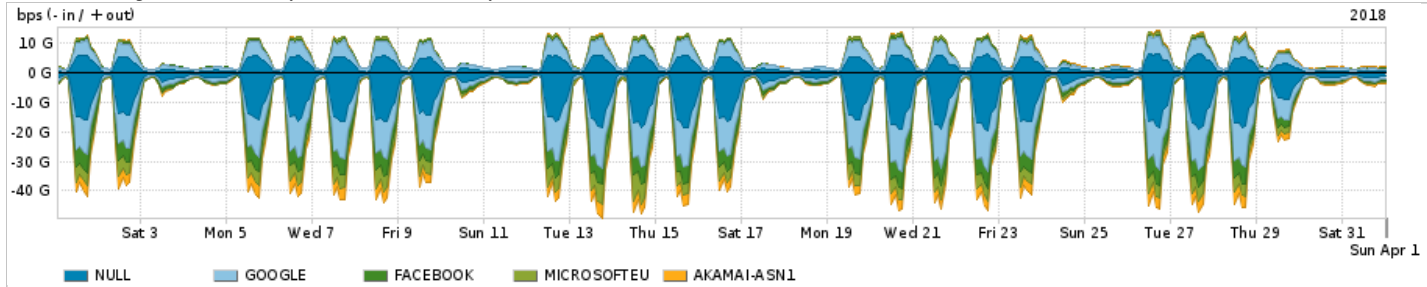
Interesse de trafego do serviço de Internet acadêmica internacional por cidades



PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Internet Academica	Barcelona	320.70 Kbps	49.07 Mbps	49.39 Mbps
<input checked="" type="checkbox"/> Internet Academica	Boulder	911.52 Kbps	44.31 Mbps	45.22 Mbps

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Academica	Huntsville	23.85 Mbps	1.96 Mbps	25.81 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Silver Spring	1.77 Mbps	23.88 Mbps	25.65 Mbps
<input checked="" type="checkbox"/>	Internet Academica	New Orleans	9.35 Mbps	14.52 Mbps	23.86 Mbps
<input type="checkbox"/>	Internet Academica	Unknown	15.56 Mbps	4.45 Mbps	20.01 Mbps
<input type="checkbox"/>	Internet Academica	Rockville	256.42 Kbps	14.12 Mbps	14.37 Mbps
<input type="checkbox"/>	Internet Academica	Sioux Falls	1.84 Mbps	11.99 Mbps	13.83 Mbps
<input type="checkbox"/>	Internet Academica	Bethesda	961.34 Kbps	10.15 Mbps	11.11 Mbps
<input type="checkbox"/>	Internet Academica	Cambridge	1.18 Mbps	8.94 Mbps	10.12 Mbps

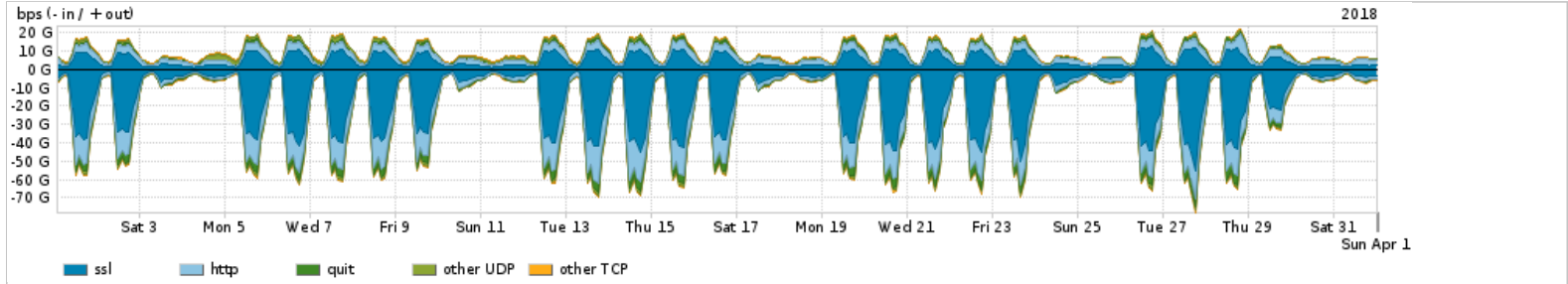
Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



Average | Max | PCT95

	AS NAME	ASN	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	NULL	0	6.14 Gbps	2.34 Gbps	8.48 Gbps
<input checked="" type="checkbox"/>	GOOGLE	15169	4.48 Gbps	2.47 Gbps	6.95 Gbps
<input checked="" type="checkbox"/>	FACEBOOK	32934	2.21 Gbps	210.26 Mbps	2.42 Gbps
<input checked="" type="checkbox"/>	MICROSOFTEU	8068	1.80 Gbps	295.59 Mbps	2.10 Gbps
<input checked="" type="checkbox"/>	AKAMAI-ASN1	20940	1.31 Gbps	114.40 Mbps	1.43 Gbps
<input type="checkbox"/>	CLARO	28573	149.81 Mbps	806.14 Mbps	955.95 Mbps
<input type="checkbox"/>	AMAZON-02	16509	758.37 Mbps	184.43 Mbps	942.80 Mbps
<input type="checkbox"/>	NETFLIX	2906	846.26 Mbps	16.82 Mbps	863.07 Mbps
<input type="checkbox"/>	GCEPSA-BR	28604	728.80 Mbps	21.94 Mbps	750.74 Mbps
<input type="checkbox"/>	EDGECAST	15133	692.15 Mbps	21.37 Mbps	713.52 Mbps
<input type="checkbox"/>	MICROSOFT-CORP-MSN-AS-BLOCK	8075	216.73 Mbps	242.57 Mbps	459.30 Mbps
<input type="checkbox"/>	APPLE	714	184.55 Mbps	233.01 Mbps	417.55 Mbps
<input type="checkbox"/>	DROPBOX	19679	236.81 Mbps	104.06 Mbps	340.86 Mbps
<input type="checkbox"/>	TELEFNICA-BRASIL-SA-BR	27699	81.75 Mbps	240.20 Mbps	321.95 Mbps
<input type="checkbox"/>	TELEFNICA-BRASIL-SA-BR	18881	78.25 Mbps	209.98 Mbps	288.23 Mbps

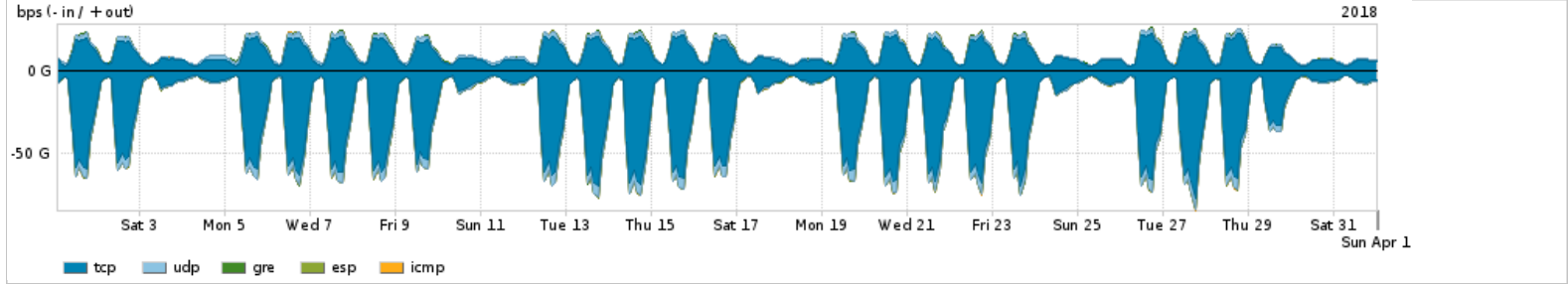
Distribuição do tráfego da rede Ipê por aplicação (análise nas camadas 3 e 4)



Average | Max | PCT95


	APPLICATION	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	ssl	14.85 Gbps	4.64 Gbps	19.49 Gbps
<input checked="" type="checkbox"/>	http	5.66 Gbps	2.87 Gbps	8.53 Gbps
<input checked="" type="checkbox"/>	quit	1.49 Gbps	439.76 Mbps	1.93 Gbps
<input checked="" type="checkbox"/>	other UDP	580.22 Mbps	916.27 Mbps	1.50 Gbps
<input checked="" type="checkbox"/>	other TCP	572.45 Mbps	544.90 Mbps	1.12 Gbps
<input type="checkbox"/>	rsync	96.65 Mbps	48.92 Mbps	145.58 Mbps
<input type="checkbox"/>	ssh	48.54 Mbps	42.99 Mbps	91.53 Mbps
<input type="checkbox"/>	smtp	33.67 Mbps	41.59 Mbps	75.27 Mbps
<input type="checkbox"/>	dns	32.19 Mbps	33.14 Mbps	65.33 Mbps
<input type="checkbox"/>	ldap	5.43 Mbps	58.67 Mbps	64.10 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

	PROTOCOL	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	tcp	23.63 Gbps	10.06 Gbps	33.69 Gbps
<input checked="" type="checkbox"/>	udp	2.28 Gbps	1.54 Gbps	3.82 Gbps
<input checked="" type="checkbox"/>	gre	20.61 Mbps	127.61 Mbps	148.21 Mbps
<input checked="" type="checkbox"/>	esp	112.59 Mbps	25.41 Mbps	138.00 Mbps
<input checked="" type="checkbox"/>	icmp	7.60 Mbps	10.18 Mbps	17.77 Mbps
<input type="checkbox"/>	ipv6-icmp	1.53 Mbps	2.11 Mbps	3.65 Mbps
<input type="checkbox"/>	ipv6	2.04 Mbps	855.19 Kbps	2.90 Mbps
<input type="checkbox"/>	udplite	47.00 bps	78.04 Kbps	78.09 Kbps
<input type="checkbox"/>	200	40.74 Kbps	0.00 bps	40.74 Kbps

	PROTOCOL	IN	OUT	TOTAL
<input type="checkbox"/>	ipencap	10.73 Kbps	8.53 Kbps	19.25 Kbps

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