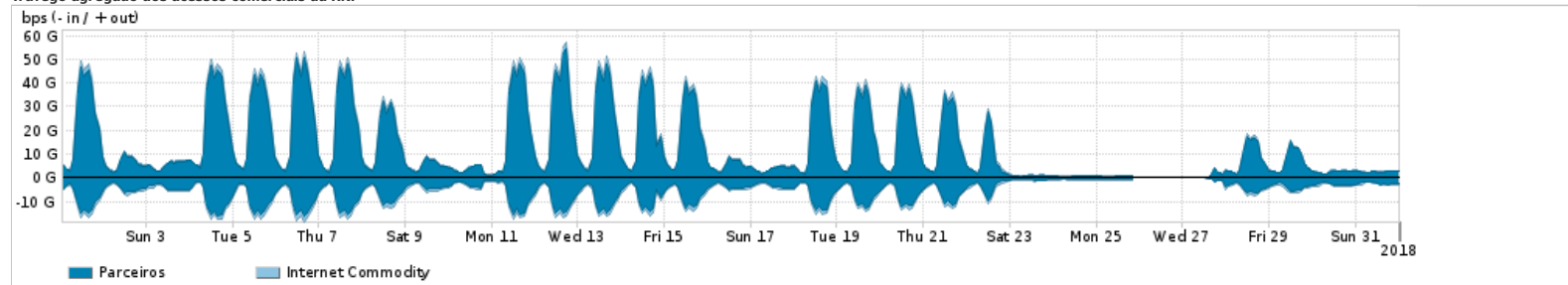


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).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

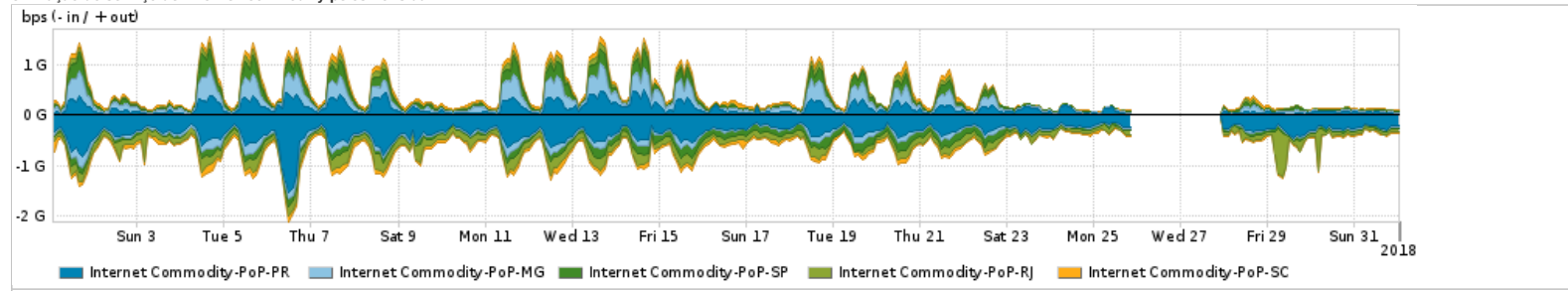
Tráfego agregado dos acessos comerciais da RNP



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Parceiros	5.34 Gbps	12.49 Gbps	17.83 Gbps
<input checked="" type="checkbox"/> Internet Commodity	887.08 Mbps	788.71 Mbps	1.68 Gbps

Utilização do serviço de Internet Commodity pelos PoPs da RNP

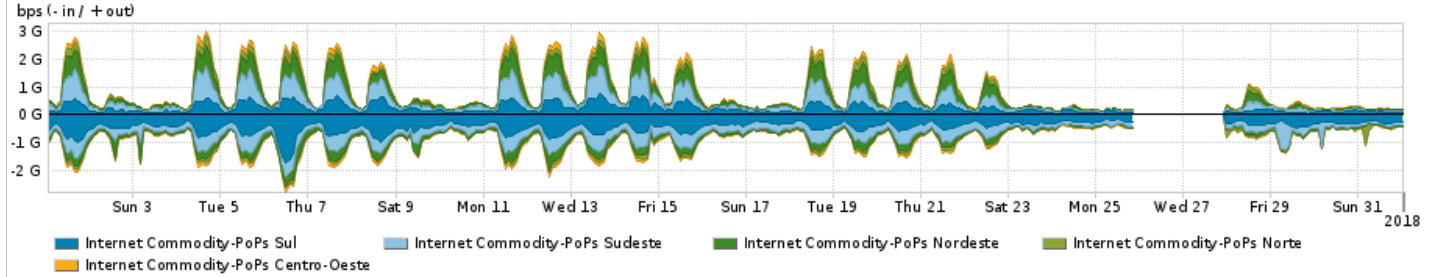


Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Internet Commodity	PoP-PR	323.71 Mbps	123.44 Mbps	447.15 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-MG	51.34 Mbps	119.40 Mbps	170.74 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-SP	76.76 Mbps	82.65 Mbps	159.41 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-RJ	120.69 Mbps	32.07 Mbps	152.76 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-SC	49.71 Mbps	48.02 Mbps	97.73 Mbps
<input type="checkbox"/> Internet Commodity	PoP-RS	37.68 Mbps	41.33 Mbps	79.01 Mbps
<input type="checkbox"/> Internet Commodity	PoP-PE	20.37 Mbps	36.34 Mbps	56.71 Mbps
<input type="checkbox"/> Internet Commodity	PoP-CE	12.65 Mbps	37.91 Mbps	50.57 Mbps
<input type="checkbox"/> Internet Commodity	PoP-PA	17.86 Mbps	28.11 Mbps	45.96 Mbps
<input type="checkbox"/> Internet Commodity	PoP-PB	21.90 Mbps	23.66 Mbps	45.56 Mbps
<input type="checkbox"/> Internet Commodity	PoP-BA	31.45 Mbps	13.16 Mbps	44.61 Mbps

	PROFILE	PROFILE	IN	OUT	TOTAL
<input type="checkbox"/>	Internet Commodity	PoP-DF	28.31 Mbps	15.09 Mbps	43.40 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-MA	12.27 Mbps	25.28 Mbps	37.55 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RN	14.60 Mbps	22.80 Mbps	37.40 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-ES	17.24 Mbps	19.05 Mbps	36.28 Mbps

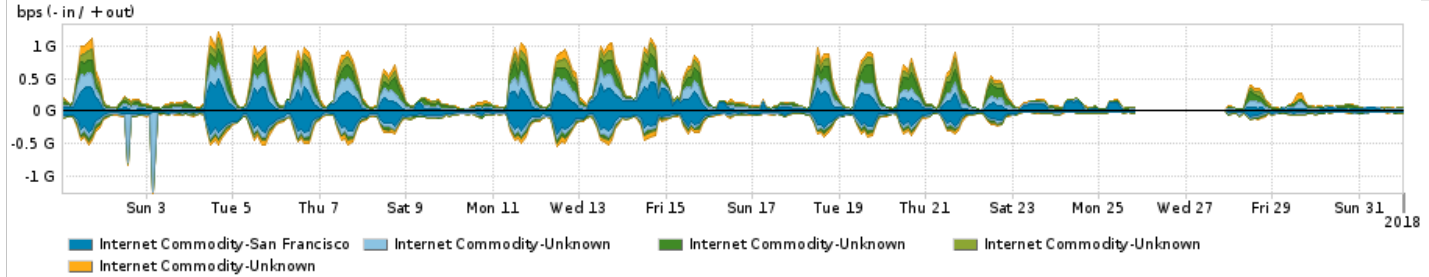
Utilização do serviço de Internet Commodity pelos PoPs da RNP agrupados por região



Average | Max | PCT95

	PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sul	411.09 Mbps	212.79 Mbps	623.88 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sudeste	266.03 Mbps	253.17 Mbps	519.19 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Nordeste	123.29 Mbps	197.65 Mbps	320.94 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Norte	39.63 Mbps	68.27 Mbps	107.89 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Centro-Oeste	45.86 Mbps	56.60 Mbps	102.46 Mbps

Interesse de tráfego do serviço de Internet Commodity por cidade

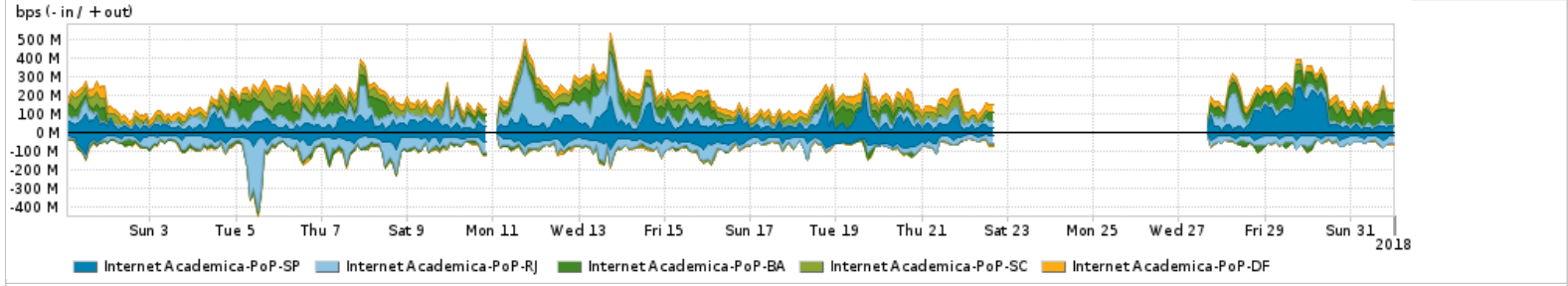


Average | Max | PCT95

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Commodity	San Francisco	78.18 Mbps	89.79 Mbps	167.97 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	26.84 Mbps	62.90 Mbps	89.73 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	13.70 Mbps	61.62 Mbps	75.32 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	12.23 Mbps	40.38 Mbps	52.61 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	14.89 Mbps	29.31 Mbps	44.20 Mbps
<input type="checkbox"/>	Internet Commodity	Boardman	34.88 Mbps	1.35 Mbps	36.23 Mbps
<input type="checkbox"/>	Internet Commodity	Cambridge	6.12 Mbps	25.97 Mbps	32.09 Mbps
<input type="checkbox"/>	Internet Commodity	Tempe	2.61 Mbps	22.37 Mbps	24.97 Mbps
<input type="checkbox"/>	Internet Commodity	Buenos Aires	22.92 Mbps	993.60 Kbps	23.92 Mbps

PROFILE	CITY	IN	OUT	TOTAL
<input type="checkbox"/> Internet Commodity	Redwood City	23.02 Mbps	464.52 Kbps	23.49 Mbps

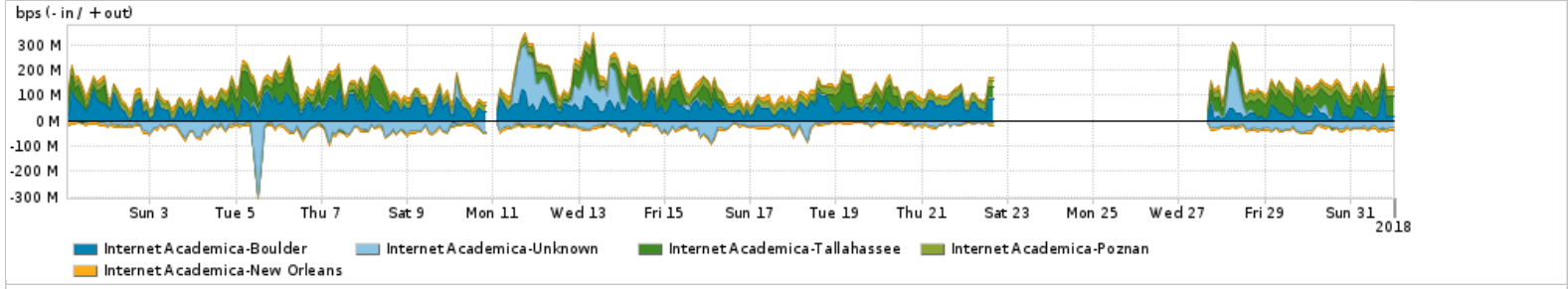
Distribuição do uso do serviço de Internet acadêmica internacional pelos PoPs da RNP



Average | Max | PCT95

	PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Academica	PoP-SP	29.95 Mbps	44.72 Mbps	74.67 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-RJ	32.08 Mbps	37.09 Mbps	69.17 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-BA	4.22 Mbps	28.90 Mbps	33.12 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-SC	3.97 Mbps	25.33 Mbps	29.30 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-DF	1.75 Mbps	26.27 Mbps	28.02 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PR	7.81 Mbps	13.83 Mbps	21.63 Mbps
<input type="checkbox"/>	Internet Academica	PoP-CE	8.62 Mbps	7.51 Mbps	16.14 Mbps
<input type="checkbox"/>	Internet Academica	PoP-MG	1.91 Mbps	12.26 Mbps	14.17 Mbps
<input type="checkbox"/>	Internet Academica	PoP-RS	1.00 Mbps	12.14 Mbps	13.14 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PA	544.29 Kbps	6.56 Mbps	7.10 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PE	1.62 Mbps	3.65 Mbps	5.27 Mbps
<input type="checkbox"/>	Internet Academica	PoP-RN	462.38 Kbps	3.46 Mbps	3.92 Mbps
<input type="checkbox"/>	Internet Academica	PoP-GO	185.19 Kbps	2.98 Mbps	3.16 Mbps
<input type="checkbox"/>	Internet Academica	PoP-ES	522.06 Kbps	2.00 Mbps	2.52 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PB	209.25 Kbps	1.10 Mbps	1.31 Mbps

Interesse de trafego do serviço de Internet acadêmica internacional por cidades

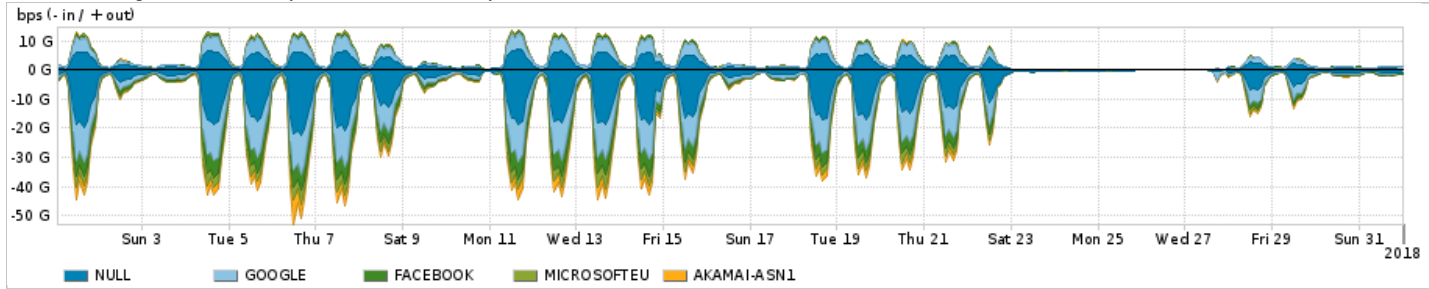


Average | Max | PCT95

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Academica	Boulder	824.29 Kbps	42.40 Mbps	43.23 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Unknown	19.55 Mbps	10.77 Mbps	30.32 Mbps

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Academica	Tallahassee	190.90 Kbps	25.52 Mbps	25.71 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Poznan	141.55 Kbps	22.08 Mbps	22.22 Mbps
<input checked="" type="checkbox"/>	Internet Academica	New Orleans	7.32 Mbps	10.77 Mbps	18.09 Mbps
<input type="checkbox"/>	Internet Academica	Sioux Falls	1.60 Mbps	11.99 Mbps	13.59 Mbps
<input type="checkbox"/>	Internet Academica	Rockville	181.88 Kbps	10.74 Mbps	10.92 Mbps
<input type="checkbox"/>	Internet Academica	Cambridge	352.11 Kbps	7.87 Mbps	8.23 Mbps
<input type="checkbox"/>	Internet Academica	Cern	3.36 Mbps	4.62 Mbps	7.97 Mbps
<input type="checkbox"/>	Internet Academica	Huntsville	730.07 Kbps	6.69 Mbps	7.42 Mbps

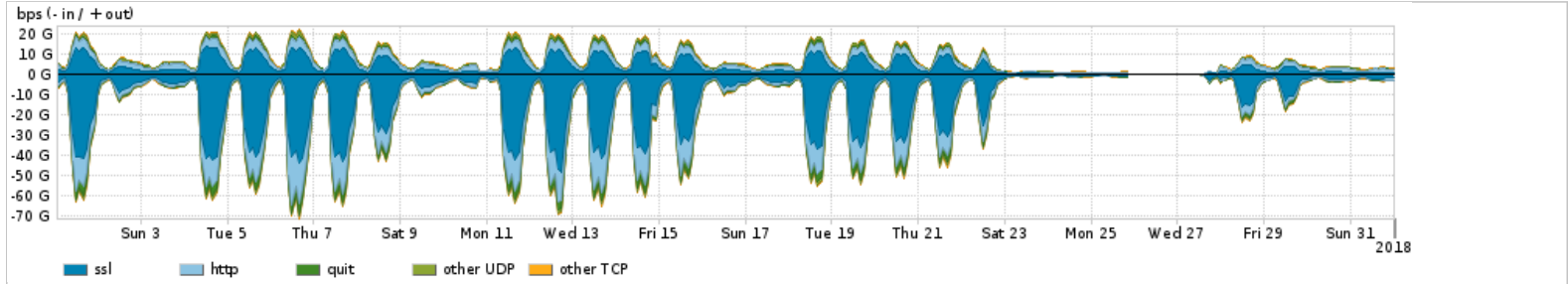
Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



Average | Max | PCT95

	AS NAME	ASN	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	NULL	0	4.79 Gbps	1.75 Gbps	6.54 Gbps
<input checked="" type="checkbox"/>	GOOGLE	15169	3.09 Gbps	1.51 Gbps	4.60 Gbps
<input checked="" type="checkbox"/>	FACEBOOK	32934	1.50 Gbps	134.64 Mbps	1.64 Gbps
<input checked="" type="checkbox"/>	MICROSOFTEU	8068	1.01 Gbps	168.24 Mbps	1.18 Gbps
<input checked="" type="checkbox"/>	AKAMAI-ASN1	20940	809.17 Mbps	25.32 Mbps	834.49 Mbps
<input type="checkbox"/>	CLARO	28573	104.43 Mbps	617.99 Mbps	722.42 Mbps
<input type="checkbox"/>	NETFLIX	2906	537.45 Mbps	9.66 Mbps	547.11 Mbps
<input type="checkbox"/>	AMAZON-02	16509	398.56 Mbps	114.59 Mbps	513.15 Mbps
<input type="checkbox"/>	GCEPSA-BR	28604	443.23 Mbps	14.88 Mbps	458.11 Mbps
<input type="checkbox"/>	APPLE	714	93.79 Mbps	208.01 Mbps	301.80 Mbps
<input type="checkbox"/>	EDGECAST	15133	285.35 Mbps	10.40 Mbps	295.75 Mbps
<input type="checkbox"/>	MICROSOFT-CORP-MSN-AS-BLOCK	8075	119.79 Mbps	169.26 Mbps	289.05 Mbps
<input type="checkbox"/>	TELEFNICA-BRASIL-SA-BR	27699	54.06 Mbps	184.43 Mbps	238.49 Mbps
<input type="checkbox"/>	DROPBOX	19679	132.65 Mbps	82.41 Mbps	215.06 Mbps
<input type="checkbox"/>	FUNPAR	10881	206.11 Mbps	54.00 bps	206.11 Mbps

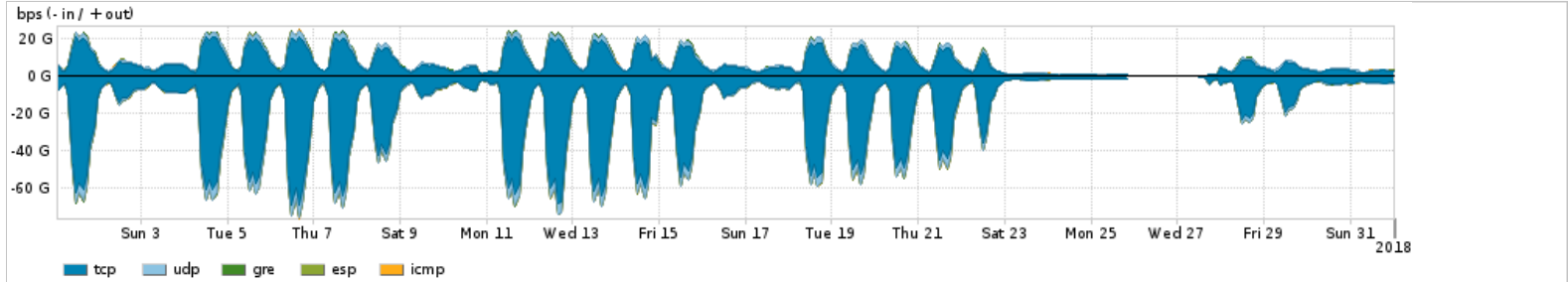
Distribuição do tráfego da rede Ipê por aplicação (análise nas camadas 3 e 4)



Average | Max | PCT95


	APPLICATION	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	ssl	10.73 Gbps	3.71 Gbps	14.44 Gbps
<input checked="" type="checkbox"/>	http	3.99 Gbps	2.06 Gbps	6.04 Gbps
<input checked="" type="checkbox"/>	quit	1.01 Gbps	316.83 Mbps	1.33 Gbps
<input checked="" type="checkbox"/>	other UDP	392.14 Mbps	629.95 Mbps	1.02 Gbps
<input checked="" type="checkbox"/>	other TCP	446.83 Mbps	347.97 Mbps	794.79 Mbps
<input type="checkbox"/>	rsync	70.60 Mbps	31.31 Mbps	101.91 Mbps
<input type="checkbox"/>	ntp	6.93 Mbps	77.43 Mbps	84.36 Mbps
<input type="checkbox"/>	ssh	31.71 Mbps	32.06 Mbps	63.78 Mbps
<input type="checkbox"/>	smtp	25.61 Mbps	28.57 Mbps	54.18 Mbps
<input type="checkbox"/>	dns	22.38 Mbps	26.90 Mbps	49.28 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

	PROTOCOL	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	tcp	16.55 Gbps	6.93 Gbps	23.48 Gbps
<input checked="" type="checkbox"/>	udp	1.54 Gbps	1.11 Gbps	2.65 Gbps
<input checked="" type="checkbox"/>	gre	17.03 Mbps	110.27 Mbps	127.30 Mbps
<input checked="" type="checkbox"/>	esp	95.33 Mbps	21.93 Mbps	117.26 Mbps
<input checked="" type="checkbox"/>	icmp	6.44 Mbps	9.13 Mbps	15.58 Mbps
<input type="checkbox"/>	ipv6	6.81 Mbps	1.22 Mbps	8.02 Mbps
<input type="checkbox"/>	ipv6-icmp	1.31 Mbps	1.86 Mbps	3.17 Mbps
<input type="checkbox"/>	gpp	128.40 Kbps	0.00 bps	128.40 Kbps
<input type="checkbox"/>	l2tp	19.50 Kbps	0.00 bps	19.50 Kbps

	PROTOCOL	IN	OUT	TOTAL
<input type="checkbox"/>	ipencap	7.96 Kbps	6.71 Kbps	14.67 Kbps

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