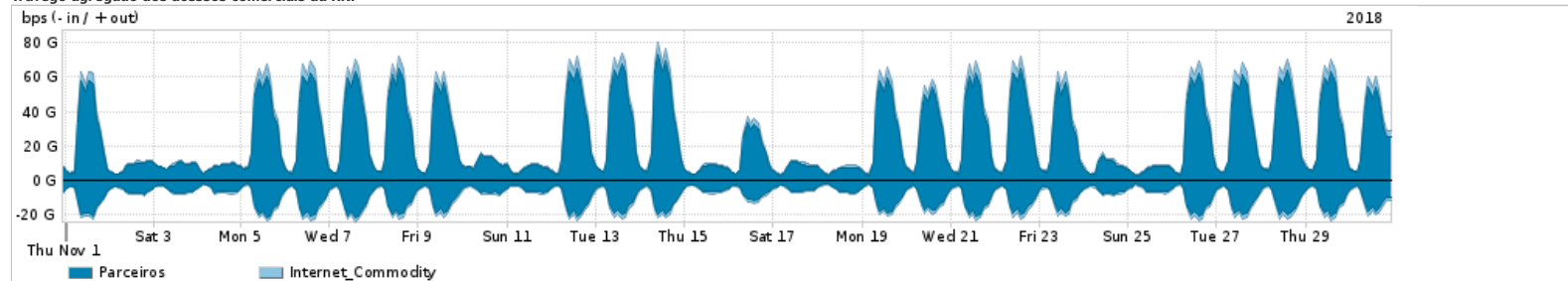


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).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

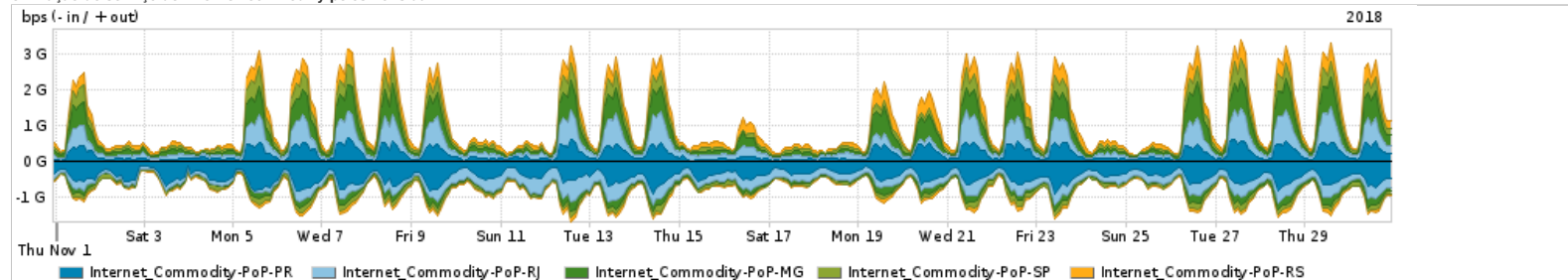
**Tráfego agregado dos acessos comerciais da RNP**



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Parceiros	9.56 Gbps	23.42 Gbps	32.98 Gbps
<input checked="" type="checkbox"/> Internet_Commodity	1.38 Gbps	2.60 Gbps	3.98 Gbps

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

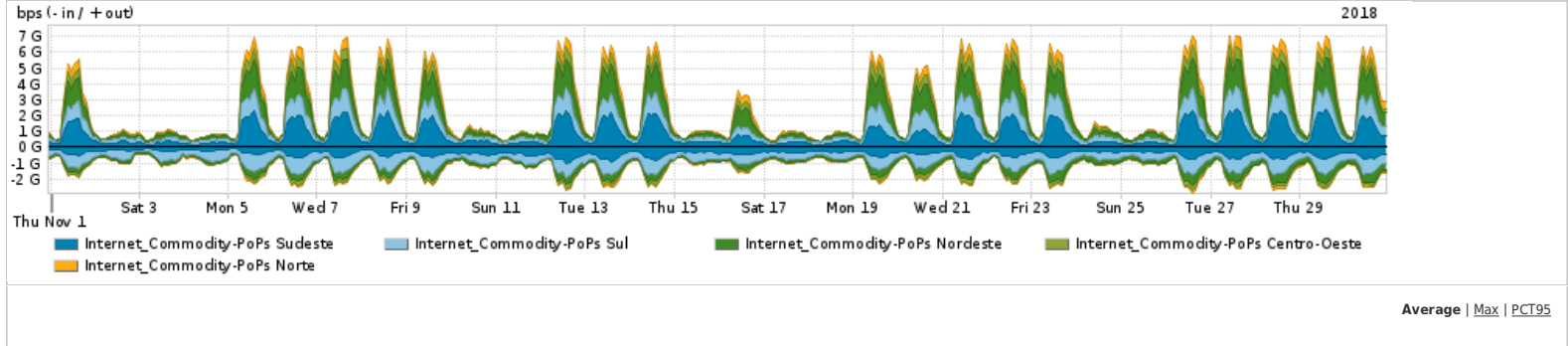


Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Internet_Commodity	PoP-PR	420.94 Mbps	206.44 Mbps	627.38 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-RJ	215.06 Mbps	264.53 Mbps	479.59 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-MG	85.38 Mbps	285.79 Mbps	371.18 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-SP	81.05 Mbps	171.21 Mbps	252.26 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-RS	48.85 Mbps	199.74 Mbps	248.60 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-PE	81.97 Mbps	122.63 Mbps	204.60 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-SC	72.90 Mbps	130.31 Mbps	203.21 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-DF	72.08 Mbps	127.34 Mbps	199.41 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-BA	33.06 Mbps	112.39 Mbps	145.45 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-PB	43.91 Mbps	99.33 Mbps	143.25 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-PA	20.40 Mbps	106.05 Mbps	126.45 Mbps

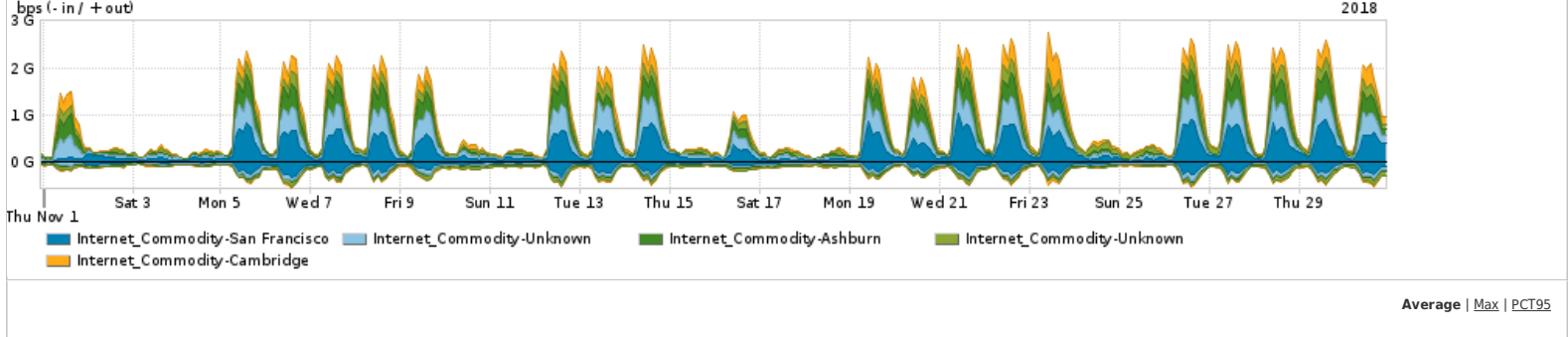
	PROFILE	PROFILE	IN	OUT	TOTAL
<input type="checkbox"/>	Internet_Commodity	PoP-CE	22.25 Mbps	102.41 Mbps	124.66 Mbps
<input type="checkbox"/>	Internet_Commodity	PoP-RN	27.29 Mbps	96.84 Mbps	124.13 Mbps
<input type="checkbox"/>	Internet_Commodity	PoP-GO	18.57 Mbps	73.40 Mbps	91.97 Mbps
<input type="checkbox"/>	Internet_Commodity	PoP-MA	19.67 Mbps	61.30 Mbps	80.96 Mbps

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



	PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Sudeste	400.56 Mbps	768.22 Mbps	1.17 Gbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Sul	542.69 Mbps	536.50 Mbps	1.08 Gbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Nordeste	249.56 Mbps	688.19 Mbps	937.74 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Centro-Oeste	113.73 Mbps	259.73 Mbps	373.46 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Norte	51.82 Mbps	230.13 Mbps	281.96 Mbps

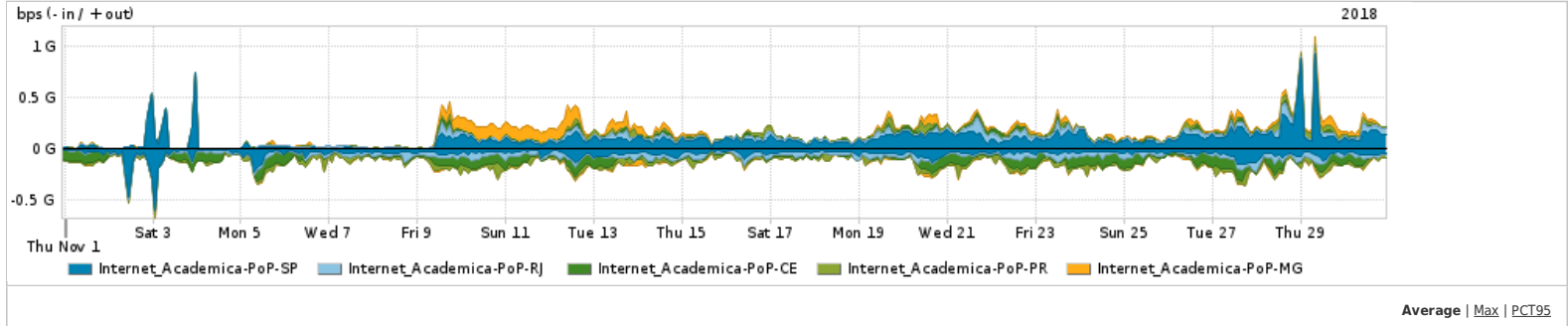
Interesse de tráfego do serviço de Internet Commodity por cidade



	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Commodity	San Francisco	79.75 Mbps	238.09 Mbps	317.84 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Unknown	36.19 Mbps	183.26 Mbps	219.46 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Ashburn	27.17 Mbps	146.17 Mbps	173.34 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Unknown	46.69 Mbps	118.25 Mbps	164.94 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Cambridge	12.45 Mbps	130.00 Mbps	142.45 Mbps
<input type="checkbox"/>	Internet_Commodity	Boardman	96.80 Mbps	29.53 Mbps	126.33 Mbps
<input type="checkbox"/>	Internet_Commodity	Unknown	19.51 Mbps	106.45 Mbps	125.96 Mbps
<input type="checkbox"/>	Internet_Commodity	Seattle	7.95 Mbps	115.98 Mbps	123.94 Mbps
<input type="checkbox"/>	Internet_Commodity	Unknown	11.12 Mbps	99.29 Mbps	110.41 Mbps

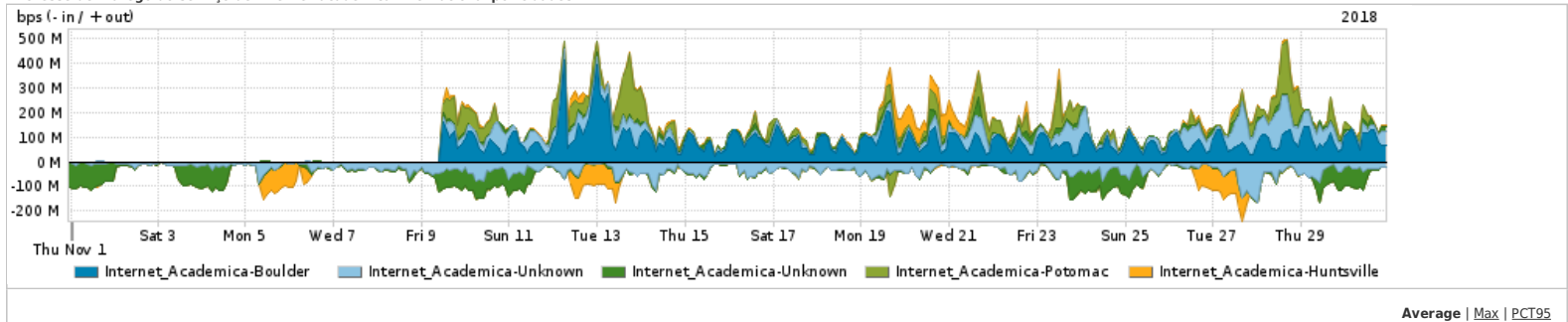
	PROFILE	CITY	IN	OUT	TOTAL
<input type="checkbox"/>	Internet_Commodity	Unknown	15.06 Mbps	94.51 Mbps	109.57 Mbps

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	49.58 Mbps	86.76 Mbps	136.34 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-RJ	30.62 Mbps	21.67 Mbps	52.29 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-CE	43.96 Mbps	6.43 Mbps	50.39 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-PR	24.98 Mbps	15.98 Mbps	40.96 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-MG	3.32 Mbps	27.01 Mbps	30.33 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-DF	3.30 Mbps	23.68 Mbps	26.98 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-RS	1.81 Mbps	23.20 Mbps	25.01 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-SC	3.10 Mbps	13.07 Mbps	16.17 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-RN	303.99 Kbps	11.43 Mbps	11.74 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-MA	6.62 Mbps	1.84 Mbps	8.45 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-PE	900.43 Kbps	6.56 Mbps	7.46 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-BA	2.02 Mbps	5.34 Mbps	7.36 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-PA	810.99 Kbps	6.51 Mbps	7.32 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-ES	383.83 Kbps	3.11 Mbps	3.50 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-AL	78.42 Kbps	2.31 Mbps	2.39 Mbps

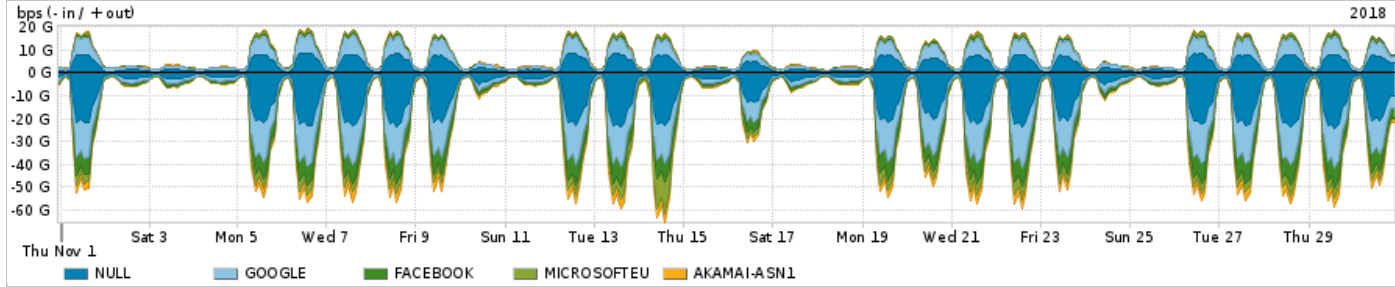
Interesse de trafego do serviço de Internet acadêmica internacional por cidades



	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Academica	Boulder	935.06 Kbps	61.80 Mbps	62.74 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	Unknown	32.41 Mbps	23.39 Mbps	55.80 Mbps

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Academica	Unknown	21.84 Mbps	7.09 Mbps	28.93 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	Potomac	774.57 Kbps	22.94 Mbps	23.72 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	Huntsville	9.52 Mbps	7.70 Mbps	17.22 Mbps
<input type="checkbox"/>	Internet_Academica	Unknown	393.19 Kbps	15.01 Mbps	15.40 Mbps
<input type="checkbox"/>	Internet_Academica	Unknown	5.66 Mbps	7.29 Mbps	12.96 Mbps
<input type="checkbox"/>	Internet_Academica	Santiago	11.96 Mbps	852.29 Kbps	12.82 Mbps
<input type="checkbox"/>	Internet_Academica	Sherbrooke	91.59 Kbps	10.06 Mbps	10.15 Mbps
<input type="checkbox"/>	Internet_Academica	Unknown	6.51 Mbps	3.01 Mbps	9.52 Mbps

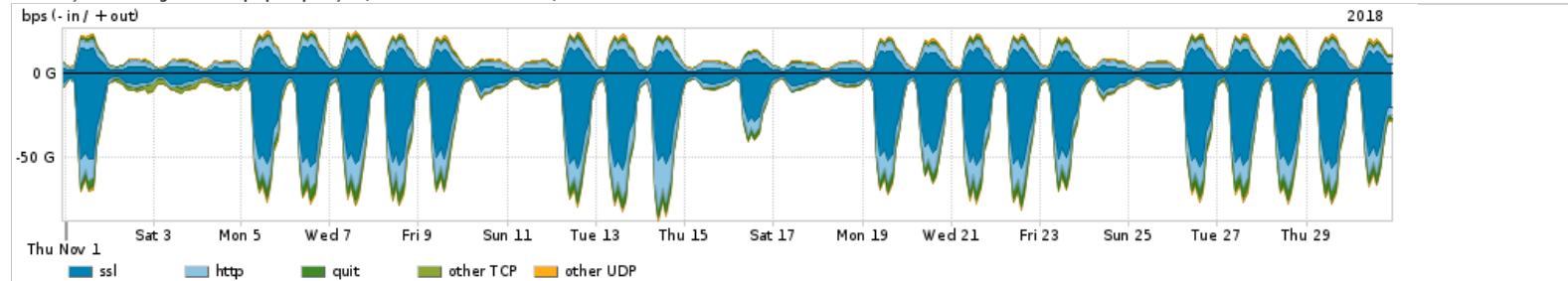
Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



Average | Max | PCT95

	AS NAME	ASN	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	NULL	0	8.24 Gbps	3.12 Gbps	11.36 Gbps
<input checked="" type="checkbox"/>	GOOGLE	15169	5.70 Gbps	3.00 Gbps	8.69 Gbps
<input checked="" type="checkbox"/>	FACEBOOK	32934	3.04 Gbps	303.26 Mbps	3.35 Gbps
<input checked="" type="checkbox"/>	MICROSOFTEU	8068	1.72 Gbps	416.63 Mbps	2.14 Gbps
<input checked="" type="checkbox"/>	AKAMAI-ASN1	20940	1.32 Gbps	161.73 Mbps	1.48 Gbps
<input type="checkbox"/>	CLARO	28573	165.56 Mbps	882.75 Mbps	1.05 Gbps
<input type="checkbox"/>	AMAZON-02	16509	805.16 Mbps	237.58 Mbps	1.04 Gbps
<input type="checkbox"/>	EDGECAST	15133	720.95 Mbps	21.23 Mbps	742.18 Mbps
<input type="checkbox"/>	NETFLIX	2906	675.59 Mbps	16.44 Mbps	692.03 Mbps
<input type="checkbox"/>	MICROSOFT-CORP-MSN-AS-BLOCK	8075	280.18 Mbps	321.10 Mbps	601.29 Mbps
<input type="checkbox"/>	TELEFNICA-BRASIL-SA-BR	18881	93.95 Mbps	484.88 Mbps	578.83 Mbps
<input type="checkbox"/>	GCEPSA-BR	28604	467.81 Mbps	14.78 Mbps	482.59 Mbps
<input type="checkbox"/>	APPLE	714	211.09 Mbps	257.68 Mbps	468.77 Mbps
<input type="checkbox"/>	LEVEL3-AS3549	3549	408.10 Mbps	17.04 Mbps	425.14 Mbps
<input type="checkbox"/>	CLOUDFLARENET	13335	367.55 Mbps	49.32 Mbps	416.87 Mbps

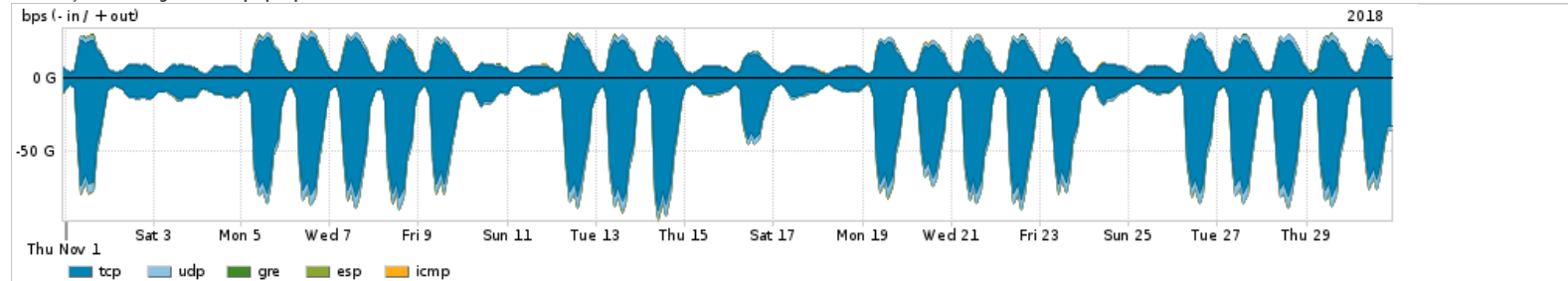
Distribuição do tráfego da rede Ipê por aplicação (análise nas camadas 3 e 4)



Average | Max | PCT95


	APPLICATION	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	ssl	19.37 Gbps	6.03 Gbps	25.41 Gbps
<input checked="" type="checkbox"/>	http	5.44 Gbps	3.07 Gbps	8.50 Gbps
<input checked="" type="checkbox"/>	quit	1.84 Gbps	575.18 Mbps	2.41 Gbps
<input checked="" type="checkbox"/>	other TCP	995.94 Mbps	487.15 Mbps	1.48 Gbps
<input checked="" type="checkbox"/>	other UDP	555.78 Mbps	764.65 Mbps	1.32 Gbps
<input type="checkbox"/>	ssh	93.23 Mbps	74.23 Mbps	167.45 Mbps
<input type="checkbox"/>	rsync	93.19 Mbps	52.14 Mbps	145.33 Mbps
<input type="checkbox"/>	dns	36.40 Mbps	40.25 Mbps	76.65 Mbps
<input type="checkbox"/>	ntp	12.26 Mbps	63.06 Mbps	75.33 Mbps
<input type="checkbox"/>	smtp	30.40 Mbps	41.06 Mbps	71.46 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

	PROTOCOL	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	tcp	29.63 Gbps	12.22 Gbps	41.85 Gbps
<input checked="" type="checkbox"/>	udp	2.67 Gbps	1.58 Gbps	4.25 Gbps
<input checked="" type="checkbox"/>	gre	23.97 Mbps	137.88 Mbps	161.85 Mbps
<input checked="" type="checkbox"/>	esp	117.43 Mbps	27.41 Mbps	144.84 Mbps
<input checked="" type="checkbox"/>	icmp	20.20 Mbps	23.35 Mbps	43.55 Mbps
<input type="checkbox"/>	ipv6	2.96 Mbps	1.91 Mbps	4.86 Mbps
<input type="checkbox"/>	ipv6-icmp	1.65 Mbps	2.23 Mbps	3.89 Mbps
<input type="checkbox"/>	ipencap	43.91 Kbps	67.06 Kbps	110.98 Kbps
<input type="checkbox"/>	ipv6-nonxt	74.00 bps	10.00 bps	84.00 bps

	PROTOCOL	IN	OUT	TOTAL
<input type="checkbox"/>	l2tp	22.00 bps	0.00 bps	22.00 bps

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