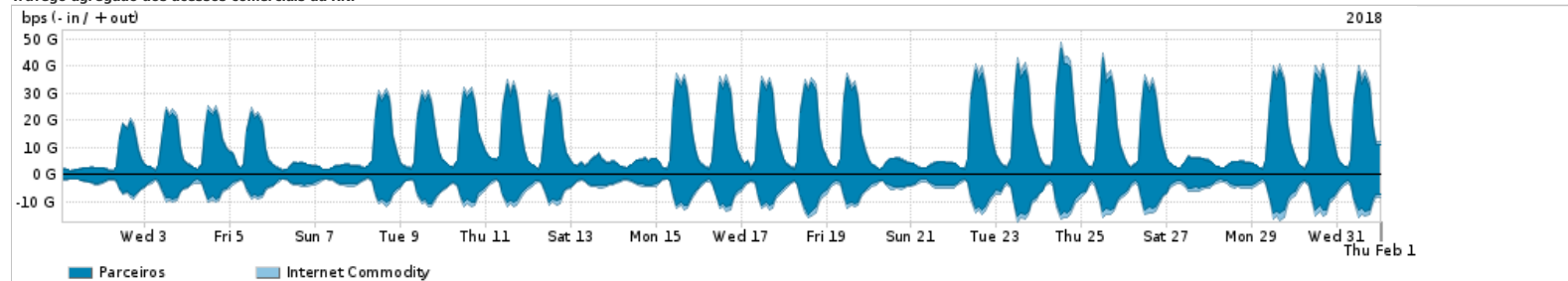


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).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

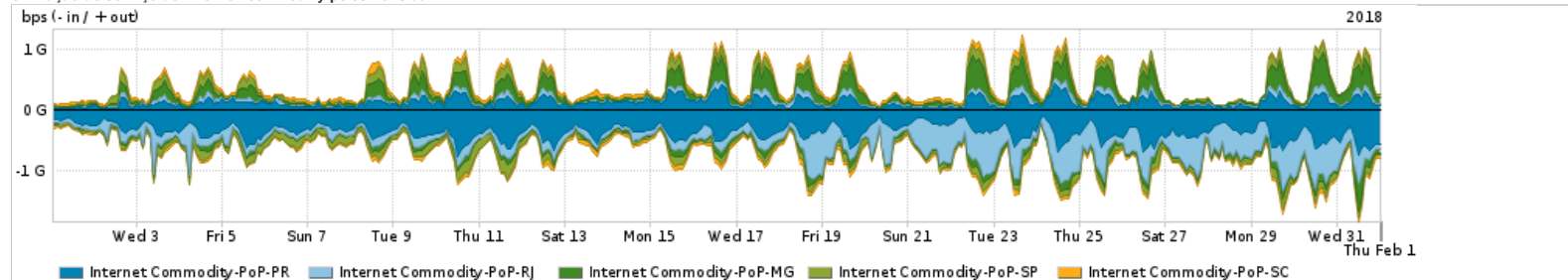
**Tráfego agregado dos acessos comerciais da RNP**



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Parceiros	5.82 Gbps	12.27 Gbps	18.10 Gbps
<input checked="" type="checkbox"/> Internet Commodity	1.04 Gbps	837.24 Mbps	1.88 Gbps

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

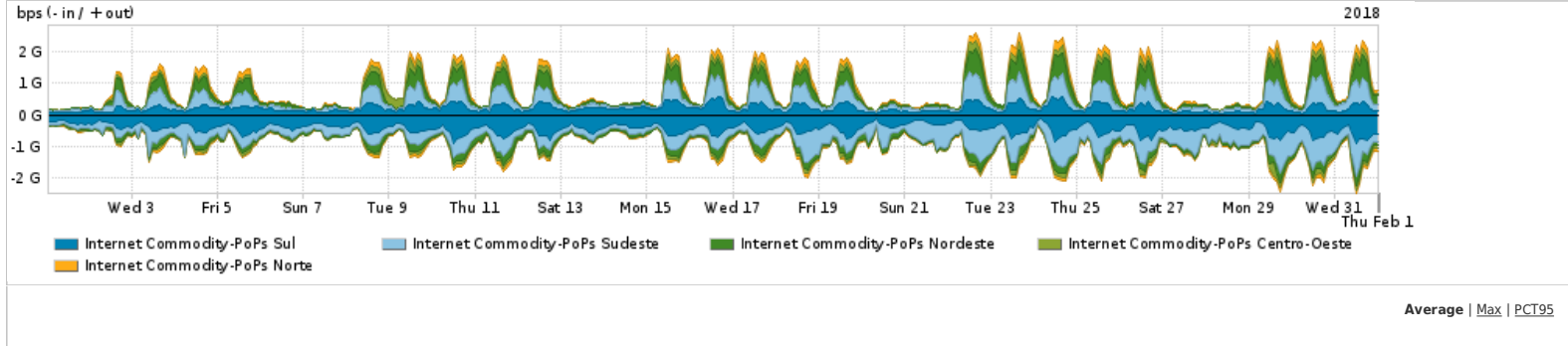


Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Internet Commodity	PoP-PR	366.27 Mbps	118.02 Mbps	484.30 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-RJ	239.94 Mbps	38.59 Mbps	278.53 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-MG	49.89 Mbps	128.25 Mbps	178.15 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-SP	75.23 Mbps	63.15 Mbps	138.38 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-SC	40.73 Mbps	45.36 Mbps	86.09 Mbps
<input type="checkbox"/> Internet Commodity	PoP-PE	26.63 Mbps	41.36 Mbps	67.99 Mbps
<input type="checkbox"/> Internet Commodity	PoP-RS	30.47 Mbps	34.41 Mbps	64.88 Mbps
<input type="checkbox"/> Internet Commodity	PoP-DF	38.48 Mbps	23.57 Mbps	62.05 Mbps
<input type="checkbox"/> Internet Commodity	PoP-PA	20.53 Mbps	39.29 Mbps	59.82 Mbps
<input type="checkbox"/> Internet Commodity	PoP-CE	13.23 Mbps	36.66 Mbps	49.89 Mbps
<input type="checkbox"/> Internet Commodity	PoP-PB	21.19 Mbps	25.64 Mbps	46.83 Mbps

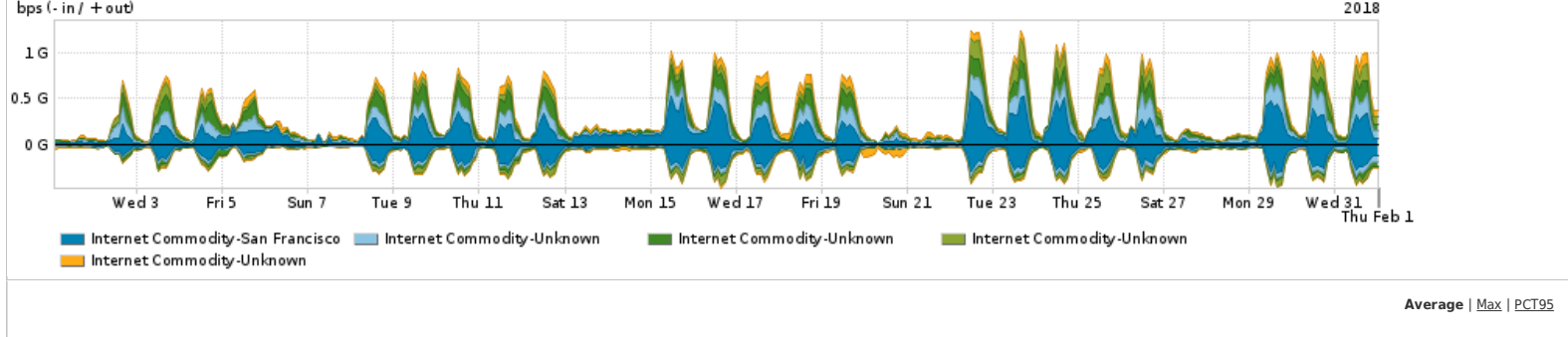
	PROFILE	PROFILE	IN	OUT	TOTAL
<input type="checkbox"/>	Internet Commodity	PoP-MA	16.03 Mbps	29.13 Mbps	45.15 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-GO	10.95 Mbps	25.35 Mbps	36.31 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-ES	18.23 Mbps	17.40 Mbps	35.63 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-BA	16.78 Mbps	13.21 Mbps	29.99 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 Sul	437.47 Mbps	197.80 Mbps	635.27 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sudeste	383.29 Mbps	247.39 Mbps	630.68 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Nordeste	116.16 Mbps	206.46 Mbps	322.62 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Centro-Oeste	56.26 Mbps	70.37 Mbps	126.63 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Norte	38.40 Mbps	84.19 Mbps	122.59 Mbps

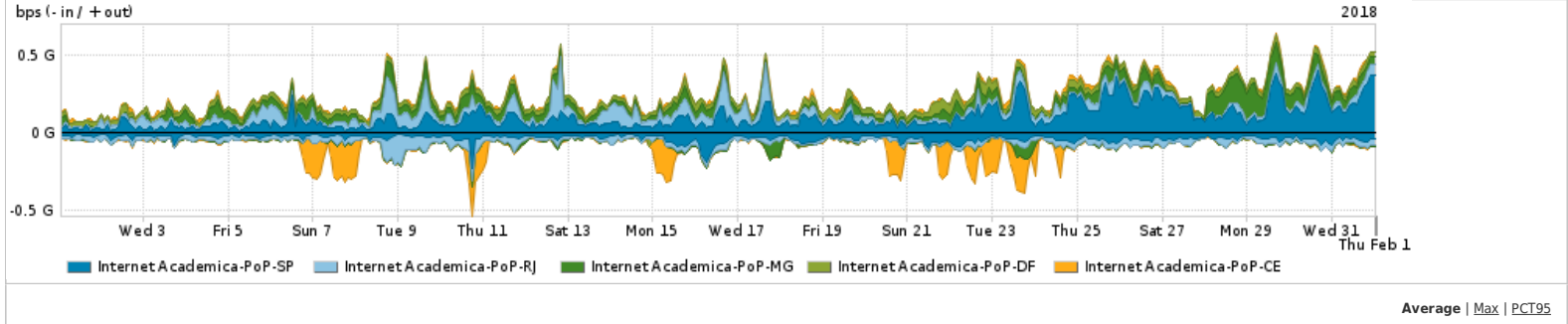
Interesse de tráfego do serviço de Internet Commodity por cidade



	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Commodity	San Francisco	75.39 Mbps	118.79 Mbps	194.18 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	19.28 Mbps	64.22 Mbps	83.50 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	14.71 Mbps	67.83 Mbps	82.54 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	16.44 Mbps	38.72 Mbps	55.15 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	16.07 Mbps	37.70 Mbps	53.78 Mbps
<input type="checkbox"/>	Internet Commodity	Hangzhou	39.85 Mbps	657.88 Kbps	40.51 Mbps
<input type="checkbox"/>	Internet Commodity	Boardman	31.46 Mbps	1.70 Mbps	33.17 Mbps
<input type="checkbox"/>	Internet Commodity	Cambridge	8.01 Mbps	20.58 Mbps	28.59 Mbps
<input type="checkbox"/>	Internet Commodity	Jinan	25.75 Mbps	301.75 Kbps	26.05 Mbps

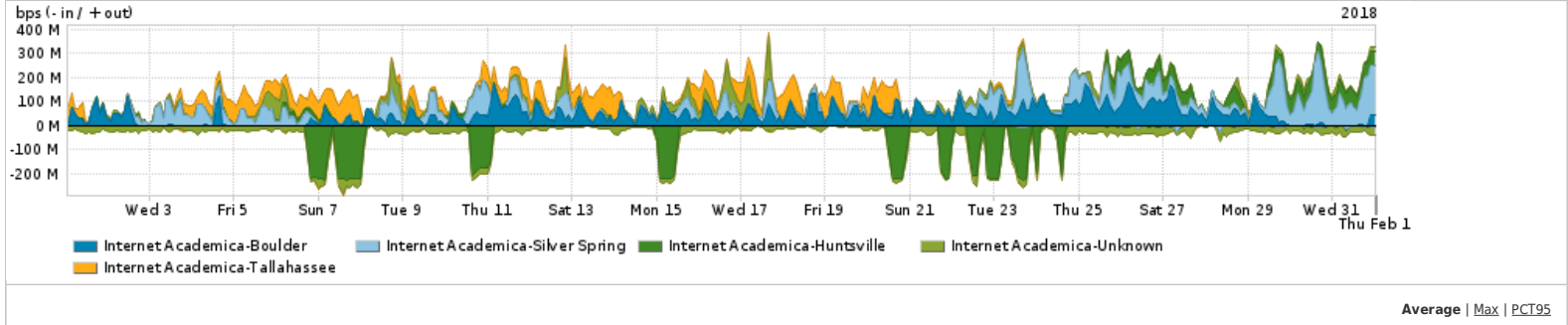
PROFILE	CITY	IN	OUT	TOTAL
<input type="checkbox"/> Internet Commodity	Buenos Aires	24.92 Mbps	1.14 Mbps	26.05 Mbps

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



PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Internet Acadêmica	PoP-SP	35.56 Mbps	98.74 Mbps	134.30 Mbps
<input checked="" type="checkbox"/> Internet Acadêmica	PoP-RJ	31.35 Mbps	45.54 Mbps	76.89 Mbps
<input checked="" type="checkbox"/> Internet Acadêmica	PoP-MG	5.07 Mbps	47.26 Mbps	52.33 Mbps
<input checked="" type="checkbox"/> Internet Acadêmica	PoP-DF	2.21 Mbps	34.52 Mbps	36.73 Mbps
<input checked="" type="checkbox"/> Internet Acadêmica	PoP-CE	28.89 Mbps	7.45 Mbps	36.34 Mbps
<input type="checkbox"/> Internet Acadêmica	PoP-BA	1.09 Mbps	30.78 Mbps	31.87 Mbps
<input type="checkbox"/> Internet Acadêmica	PoP-PR	10.36 Mbps	17.22 Mbps	27.58 Mbps
<input type="checkbox"/> Internet Acadêmica	PoP-SC	2.99 Mbps	17.65 Mbps	20.65 Mbps
<input type="checkbox"/> Internet Acadêmica	PoP-RS	1.23 Mbps	11.32 Mbps	12.56 Mbps
<input type="checkbox"/> Internet Acadêmica	PoP-PA	1.86 Mbps	10.45 Mbps	12.31 Mbps
<input type="checkbox"/> Internet Acadêmica	PoP-GO	921.31 Kbps	5.43 Mbps	6.35 Mbps
<input type="checkbox"/> Internet Acadêmica	PoP-ES	1.81 Mbps	4.42 Mbps	6.22 Mbps
<input type="checkbox"/> Internet Acadêmica	PoP-PE	541.30 Kbps	3.02 Mbps	3.56 Mbps
<input type="checkbox"/> Internet Acadêmica	PoP-AP	83.43 Kbps	2.58 Mbps	2.66 Mbps
<input type="checkbox"/> Internet Acadêmica	PoP-RN	649.70 Kbps	2.00 Mbps	2.65 Mbps

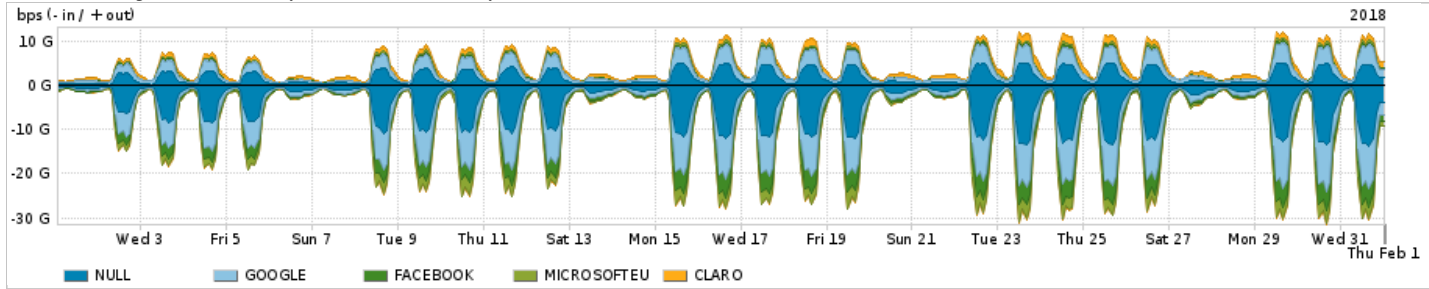
Interesse de trafego do serviço de Internet acadêmica internacional por cidades



PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Internet Acadêmica	Boulder	652.46 Kbps	46.02 Mbps	46.67 Mbps
<input checked="" type="checkbox"/> Internet Acadêmica	Silver Spring	1.05 Mbps	40.80 Mbps	41.84 Mbps

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Academica	Huntsville	27.98 Mbps	10.84 Mbps	38.82 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Unknown	19.95 Mbps	13.73 Mbps	33.68 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Tallahassee	248.29 Kbps	29.14 Mbps	29.39 Mbps
<input type="checkbox"/>	Internet Academica	Poznan	182.51 Kbps	27.26 Mbps	27.44 Mbps
<input type="checkbox"/>	Internet Academica	Cambridge	4.15 Mbps	17.97 Mbps	22.11 Mbps
<input type="checkbox"/>	Internet Academica	New Orleans	9.23 Mbps	12.40 Mbps	21.63 Mbps
<input type="checkbox"/>	Internet Academica	Sioux Falls	1.86 Mbps	17.19 Mbps	19.05 Mbps
<input type="checkbox"/>	Internet Academica	Barcelona	216.35 Kbps	18.11 Mbps	18.32 Mbps

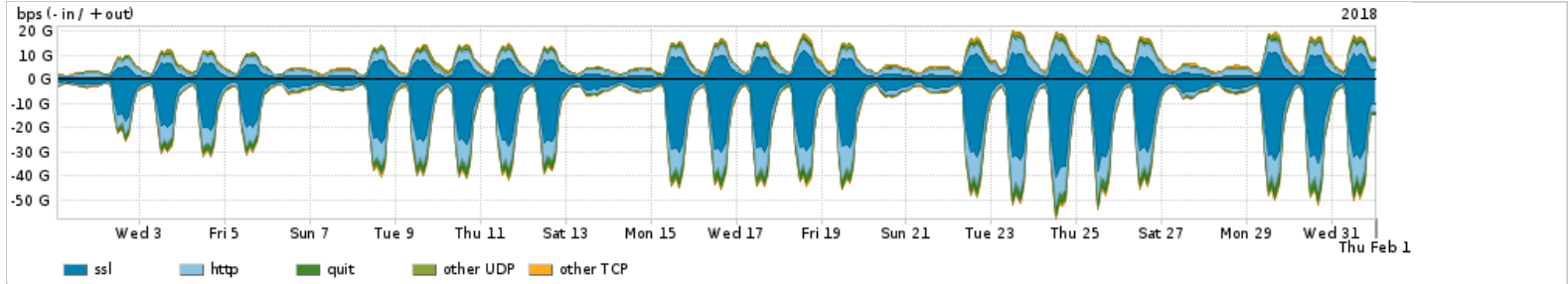
Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



Average | Max | PCT95

	AS NAME	ASN	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	NULL	0	4.01 Gbps	1.61 Gbps	5.61 Gbps
<input checked="" type="checkbox"/>	GOOGLE	15169	2.91 Gbps	1.53 Gbps	4.43 Gbps
<input checked="" type="checkbox"/>	FACEBOOK	32934	1.33 Gbps	125.19 Mbps	1.46 Gbps
<input checked="" type="checkbox"/>	MICROSOFTEU	8068	1.02 Gbps	190.22 Mbps	1.21 Gbps
<input checked="" type="checkbox"/>	CLARO	28573	115.38 Mbps	759.48 Mbps	874.86 Mbps
<input type="checkbox"/>	AKAMAI-ASN1	20940	775.97 Mbps	44.14 Mbps	820.10 Mbps
<input type="checkbox"/>	NETFLIX	2906	614.50 Mbps	9.80 Mbps	624.30 Mbps
<input type="checkbox"/>	AMAZON-02	16509	474.92 Mbps	100.60 Mbps	575.52 Mbps
<input type="checkbox"/>	GCEPSA-BR	28604	512.99 Mbps	17.11 Mbps	530.10 Mbps
<input type="checkbox"/>	EDGECAST	15133	414.48 Mbps	12.73 Mbps	427.20 Mbps
<input type="checkbox"/>	TELEFNICA-BRASIL-SA-BR	27699	58.52 Mbps	230.63 Mbps	289.14 Mbps
<input type="checkbox"/>	MICROSOFT-CORP-MSN-AS-BLOCK	8075	110.38 Mbps	174.35 Mbps	284.73 Mbps
<input type="checkbox"/>	TELEFNICA-BRASIL-SA-BR	18881	65.70 Mbps	197.71 Mbps	263.41 Mbps
<input type="checkbox"/>	DROPBOX	19679	177.49 Mbps	80.15 Mbps	257.64 Mbps
<input type="checkbox"/>	APPLE	714	88.09 Mbps	151.21 Mbps	239.30 Mbps

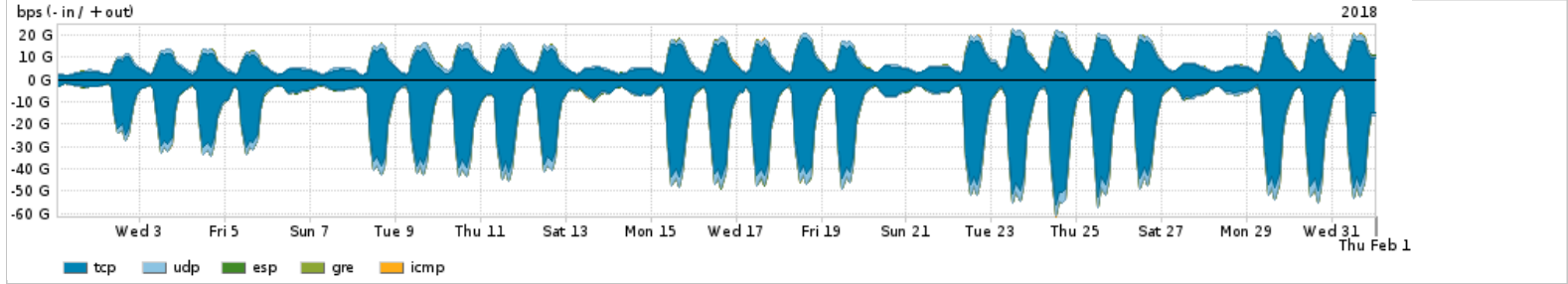
Distribuição do tráfego da rede Ipê por aplicação (análise nas camadas 3 e 4)



Average | Max | PCT95


	APPLICATION	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	ssl	10.08 Gbps	3.67 Gbps	13.74 Gbps
<input checked="" type="checkbox"/>	http	3.75 Gbps	2.56 Gbps	6.31 Gbps
<input checked="" type="checkbox"/>	quit	1.04 Gbps	305.53 Mbps	1.34 Gbps
<input checked="" type="checkbox"/>	other UDP	424.43 Mbps	631.66 Mbps	1.06 Gbps
<input checked="" type="checkbox"/>	other TCP	507.44 Mbps	502.35 Mbps	1.01 Gbps
<input type="checkbox"/>	rsync	68.89 Mbps	39.12 Mbps	108.01 Mbps
<input type="checkbox"/>	ntp	7.45 Mbps	85.50 Mbps	92.96 Mbps
<input type="checkbox"/>	ssh	48.65 Mbps	38.07 Mbps	86.72 Mbps
<input type="checkbox"/>	dns	21.93 Mbps	34.39 Mbps	56.32 Mbps
<input type="checkbox"/>	smtp	27.19 Mbps	24.83 Mbps	52.02 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

	PROTOCOL	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	tcp	15.67 Gbps	7.55 Gbps	23.21 Gbps
<input checked="" type="checkbox"/>	udp	1.58 Gbps	1.12 Gbps	2.70 Gbps
<input checked="" type="checkbox"/>	esp	102.97 Mbps	22.13 Mbps	125.10 Mbps
<input checked="" type="checkbox"/>	gre	14.75 Mbps	64.20 Mbps	78.95 Mbps
<input checked="" type="checkbox"/>	icmp	7.11 Mbps	9.43 Mbps	16.54 Mbps
<input type="checkbox"/>	ipv6-icmp	1.51 Mbps	2.11 Mbps	3.62 Mbps
<input type="checkbox"/>	ipv6	1.47 Mbps	566.56 Kbps	2.03 Mbps
<input type="checkbox"/>	ipencap	8.27 Kbps	6.62 Kbps	14.89 Kbps
<input type="checkbox"/>	255	99.00 bps	1.42 Kbps	1.52 Kbps

	PROTOCOL	IN	OUT	TOTAL
<input type="checkbox"/>	ipv6-nonxt	687.00 bps	10.00 bps	697.00 bps

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