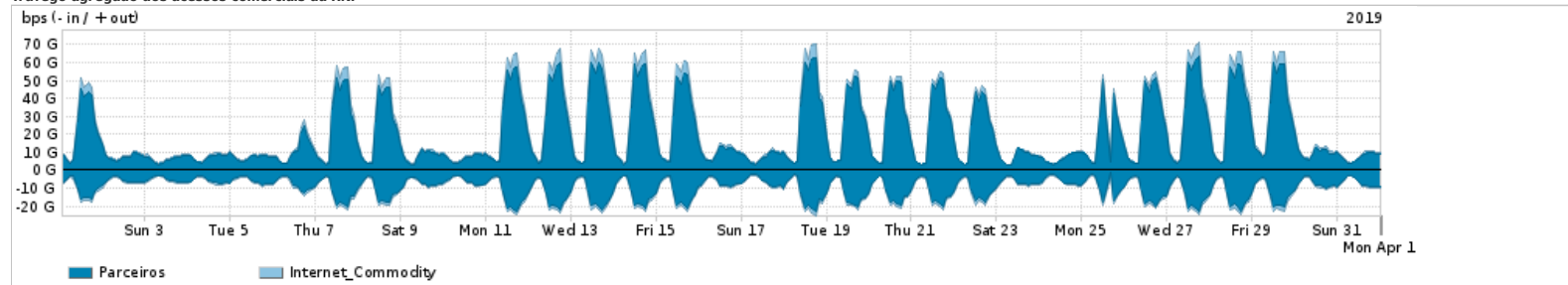


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).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

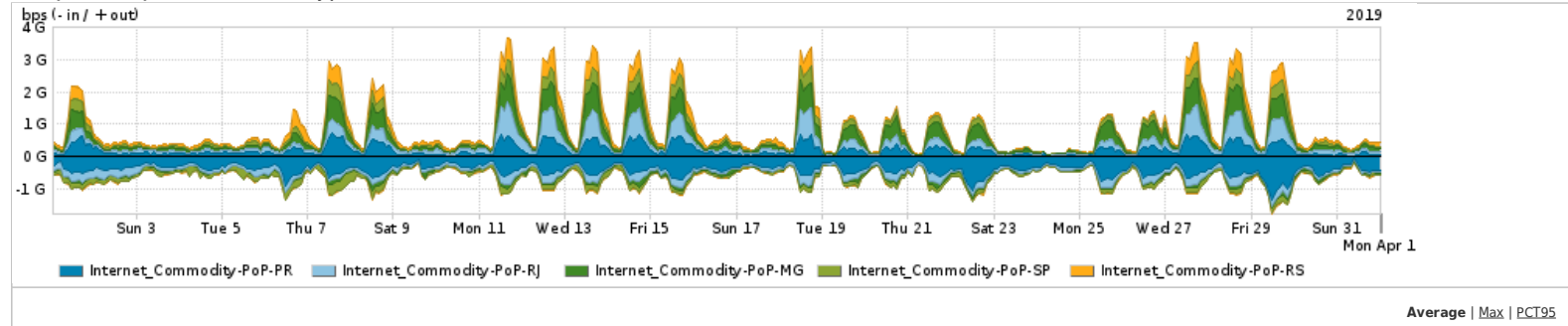
- PoP - Ponto de presença da RNP
- Parceiros - Provedores comerciais que a RNP mantém acordos de troca de tráfego
- Internet Acadêmica - Acesso às redes acadêmicas internacionais, serviço atualmente provido pela RedClara
- Internet commodity - Acesso pago à Internet global que é oferecido pela RNP aos 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**



PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Parceiros	9.68 Gbps	19.82 Gbps	29.50 Gbps
<input checked="" type="checkbox"/> Internet_Commodity	1.02 Gbps	2.07 Gbps	3.09 Gbps

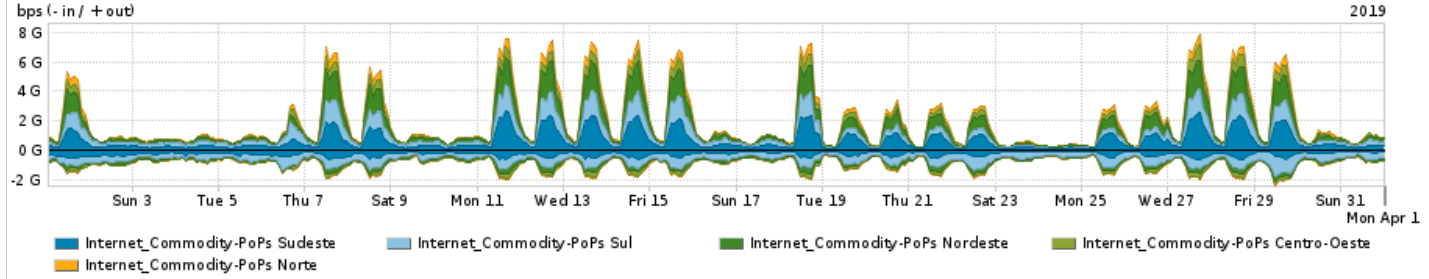
**Utilização do serviço de Internet Commodity pelos PoPs da RNP**



PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Internet_Commodity	PoP-PR	393.36 Mbps	194.26 Mbps	587.61 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-RJ	125.15 Mbps	193.74 Mbps	318.90 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-MG	43.45 Mbps	233.07 Mbps	276.53 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-SP	102.97 Mbps	130.82 Mbps	233.79 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-RS	11.56 Mbps	161.31 Mbps	172.88 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-DF	68.90 Mbps	90.82 Mbps	159.73 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-SC	28.49 Mbps	114.98 Mbps	143.47 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-PE	40.13 Mbps	86.39 Mbps	126.52 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-CE	18.72 Mbps	84.60 Mbps	103.32 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-BA	28.67 Mbps	64.73 Mbps	93.40 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-PA	7.73 Mbps	78.07 Mbps	85.80 Mbps

	PROFILE	PROFILE	IN	OUT	TOTAL
<input type="checkbox"/>	Internet_Commodity	PoP-RN	11.23 Mbps	70.15 Mbps	81.39 Mbps
<input type="checkbox"/>	Internet_Commodity	PoP-PB	10.60 Mbps	68.97 Mbps	79.57 Mbps
<input type="checkbox"/>	Internet_Commodity	PoP-ES	24.38 Mbps	54.85 Mbps	79.23 Mbps
<input type="checkbox"/>	Internet_Commodity	PoP-GO	16.66 Mbps	61.78 Mbps	78.44 Mbps

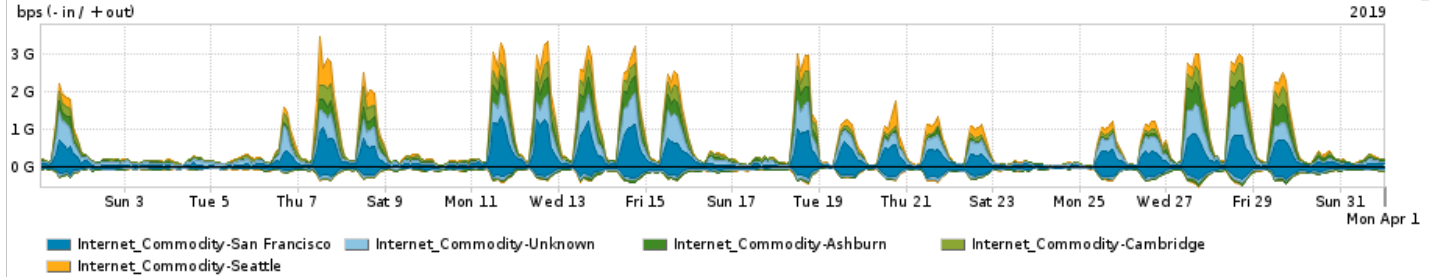
Utilização do serviço de Internet Commodity pelos PoPs da RNP agrupados por região



Average | Max | PCT95

	PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Sudeste	295.96 Mbps	612.48 Mbps	908.44 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Sul	433.41 Mbps	470.55 Mbps	903.96 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Nordeste	135.63 Mbps	502.08 Mbps	637.71 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Centro-Oeste	111.55 Mbps	206.71 Mbps	318.26 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Norte	31.38 Mbps	175.06 Mbps	206.44 Mbps

Interesse de tráfego do serviço de Internet Commodity por cidade

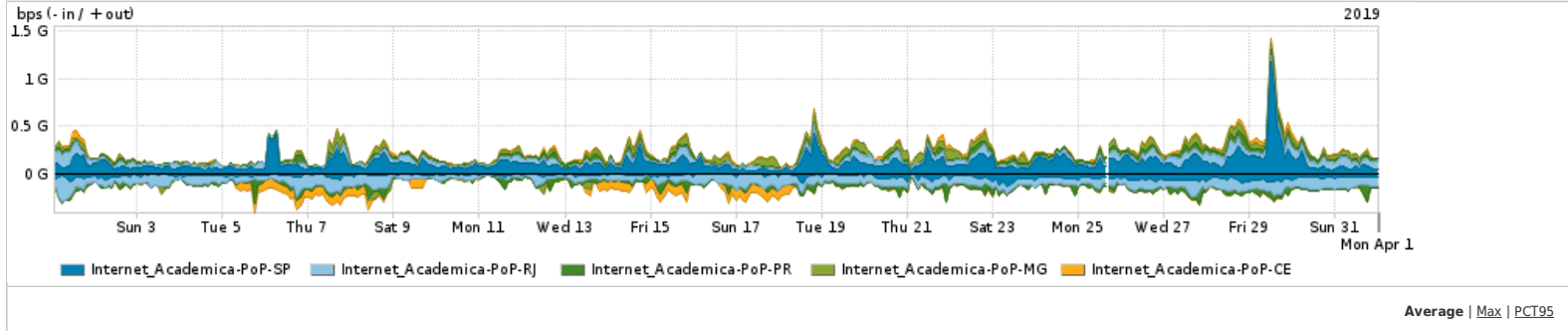


Average | Max | PCT95

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Commodity	San Francisco	81.93 Mbps	232.45 Mbps	314.37 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Unknown	31.06 Mbps	188.87 Mbps	219.93 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Ashburn	24.59 Mbps	101.76 Mbps	126.35 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Cambridge	7.40 Mbps	110.37 Mbps	117.77 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Seattle	5.94 Mbps	101.28 Mbps	107.22 Mbps
<input type="checkbox"/>	Internet_Commodity	Unknown	36.68 Mbps	63.38 Mbps	100.06 Mbps
<input type="checkbox"/>	Internet_Commodity	Unknown	9.15 Mbps	75.98 Mbps	85.12 Mbps
<input type="checkbox"/>	Internet_Commodity	Unknown	7.31 Mbps	70.07 Mbps	77.38 Mbps
<input type="checkbox"/>	Internet_Commodity	Unknown	9.76 Mbps	57.18 Mbps	66.94 Mbps

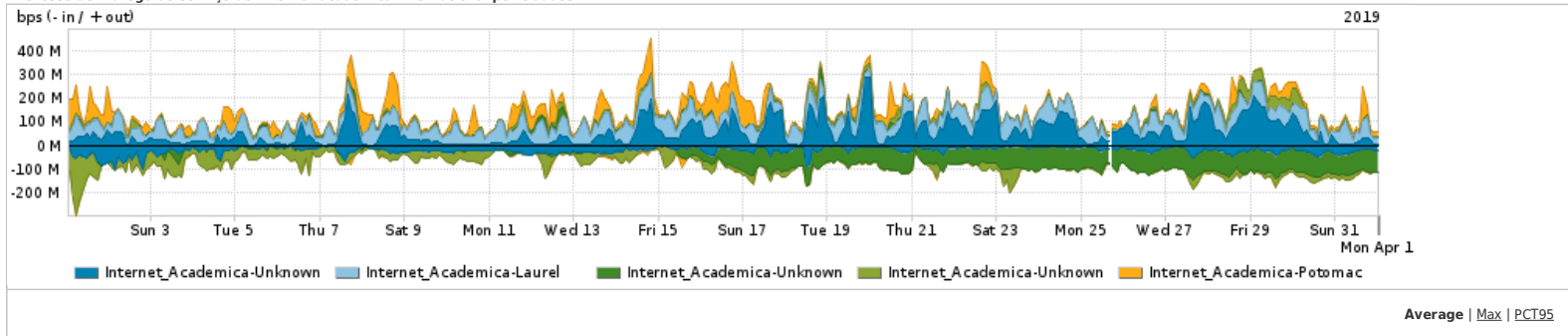
	PROFILE	CITY	IN	OUT	TOTAL
<input type="checkbox"/>	Internet_Commodity	Unknown	10.49 Mbps	55.35 Mbps	65.84 Mbps

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	36.43 Mbps	108.93 Mbps	145.36 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-RJ	82.14 Mbps	44.17 Mbps	126.31 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-PR	25.37 Mbps	25.78 Mbps	51.15 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-MG	4.22 Mbps	31.70 Mbps	35.93 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-CE	21.67 Mbps	11.96 Mbps	33.63 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-DF	3.00 Mbps	28.49 Mbps	31.49 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-RS	1.56 Mbps	26.23 Mbps	27.78 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-SC	6.63 Mbps	21.01 Mbps	27.64 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-PA	341.44 Kbps	10.83 Mbps	11.17 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-PE	828.36 Kbps	8.96 Mbps	9.79 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-ES	390.33 Kbps	9.36 Mbps	9.75 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-RN	610.09 Kbps	7.58 Mbps	8.19 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-AL	89.74 Kbps	7.25 Mbps	7.34 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-AM	501.32 Kbps	5.95 Mbps	6.46 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-MA	111.25 Kbps	4.08 Mbps	4.19 Mbps

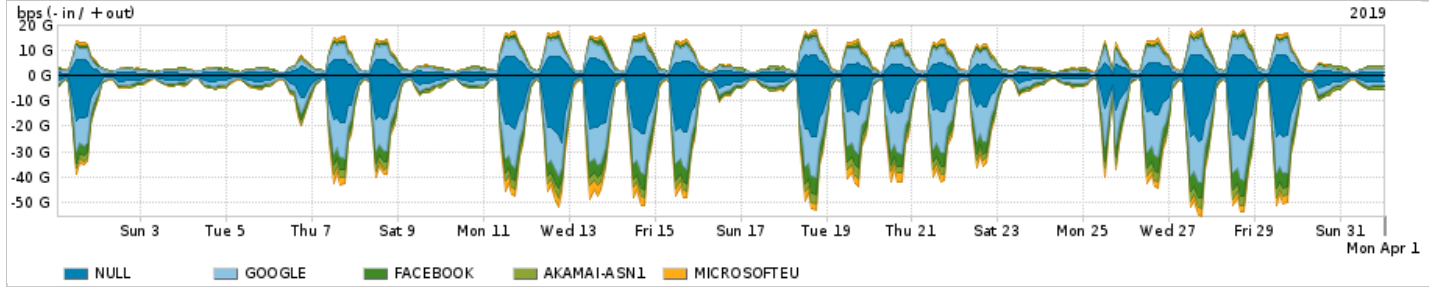
Interesse de trafego do serviço de Internet acadêmica internacional por cidades



	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Academica	Unknown	22.71 Mbps	52.98 Mbps	75.69 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	Laurel	855.07 Kbps	53.96 Mbps	54.82 Mbps

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Academica	Unknown	42.68 Mbps	2.63 Mbps	45.31 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	Unknown	23.59 Mbps	9.37 Mbps	32.96 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	Potomac	785.78 Kbps	29.43 Mbps	30.22 Mbps
<input type="checkbox"/>	Internet_Academica	Unknown	387.35 Kbps	20.42 Mbps	20.81 Mbps
<input type="checkbox"/>	Internet_Academica	Boulder	654.99 Kbps	17.12 Mbps	17.77 Mbps
<input type="checkbox"/>	Internet_Academica	Huntsville	494.81 Kbps	16.51 Mbps	17.01 Mbps
<input type="checkbox"/>	Internet_Academica	Sioux Falls	1.66 Mbps	12.27 Mbps	13.93 Mbps
<input type="checkbox"/>	Internet_Academica	Unknown	3.23 Mbps	9.29 Mbps	12.52 Mbps

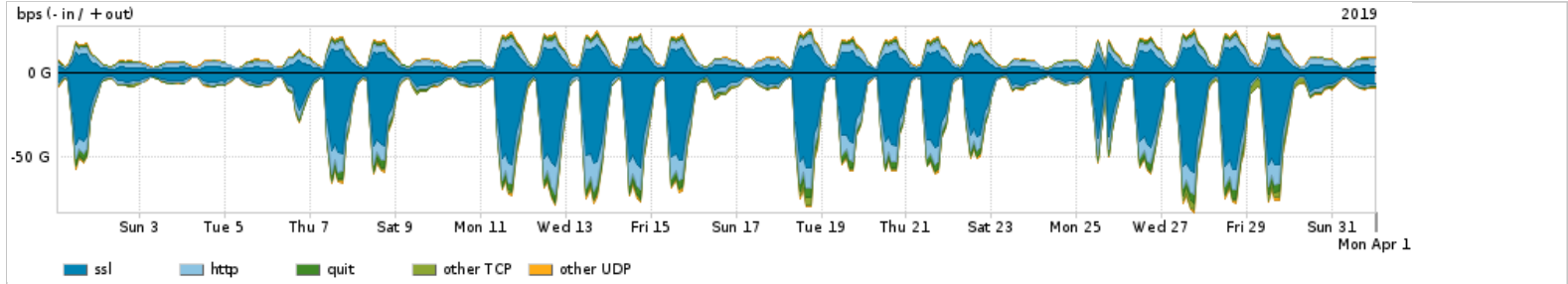
Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



Average | Max | PCT95

	AS NAME	ASN	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	NULL	0	6.62 Gbps	2.40 Gbps	9.02 Gbps
<input checked="" type="checkbox"/>	GOOGLE	15169	4.78 Gbps	2.47 Gbps	7.25 Gbps
<input checked="" type="checkbox"/>	FACEBOOK	32934	1.88 Gbps	295.74 Mbps	2.18 Gbps
<input checked="" type="checkbox"/>	AKAMAI-ASN1	20940	1.27 Gbps	566.97 Mbps	1.83 Gbps
<input checked="" type="checkbox"/>	MICROSOFTEU	8068	994.65 Mbps	414.37 Mbps	1.41 Gbps
<input type="checkbox"/>	CLARO	28573	194.44 Mbps	824.65 Mbps	1.02 Gbps
<input type="checkbox"/>	EDGECAST	15133	822.62 Mbps	21.44 Mbps	844.06 Mbps
<input type="checkbox"/>	AMAZON-02	16509	666.47 Mbps	141.33 Mbps	807.79 Mbps
<input type="checkbox"/>	NETFLIX	2906	726.85 Mbps	20.59 Mbps	747.43 Mbps
<input type="checkbox"/>	MICROSOFT-CORP-MSN-AS-BLOCK	8075	269.17 Mbps	373.47 Mbps	642.64 Mbps
<input type="checkbox"/>	GCEPSA-BR	28604	544.34 Mbps	22.94 Mbps	567.29 Mbps
<input type="checkbox"/>	LEVEL3-AS3549	3549	467.75 Mbps	20.22 Mbps	487.97 Mbps
<input type="checkbox"/>	TELEFNICA-BRASIL-SA-BR	18881	69.80 Mbps	406.15 Mbps	475.96 Mbps
<input type="checkbox"/>	APPLE	714	145.48 Mbps	230.13 Mbps	375.61 Mbps
<input type="checkbox"/>	UNL	7896	374.36 Mbps	0.00 bps	374.36 Mbps

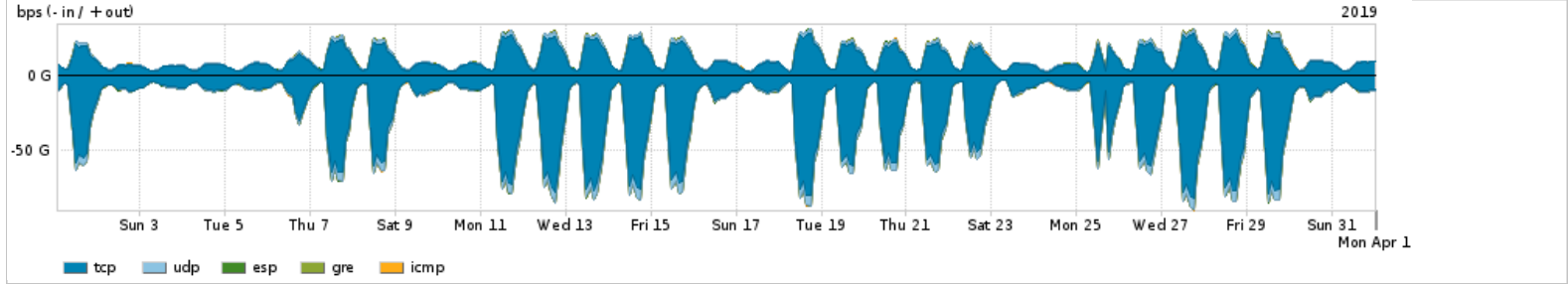
Distribuição do tráfego da rede Ipê por aplicação (análise nas camadas 3 e 4)



Average | Max | PCT95


	APPLICATION	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	ssl	16.66 Gbps	5.69 Gbps	22.35 Gbps
<input checked="" type="checkbox"/>	http	4.03 Gbps	2.95 Gbps	6.97 Gbps
<input checked="" type="checkbox"/>	quit	1.37 Gbps	409.90 Mbps	1.78 Gbps
<input checked="" type="checkbox"/>	other TCP	839.31 Mbps	424.05 Mbps	1.26 Gbps
<input checked="" type="checkbox"/>	other UDP	463.58 Mbps	597.50 Mbps	1.06 Gbps
<input type="checkbox"/>	ssh	72.75 Mbps	88.23 Mbps	160.98 Mbps
<input type="checkbox"/>	rsync	52.01 Mbps	45.68 Mbps	97.69 Mbps
<input type="checkbox"/>	dns	29.37 Mbps	30.45 Mbps	59.82 Mbps
<input type="checkbox"/>	stun	24.94 Mbps	27.32 Mbps	52.26 Mbps
<input type="checkbox"/>	smtp	18.75 Mbps	32.44 Mbps	51.19 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

	PROTOCOL	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	tcp	24.17 Gbps	11.25 Gbps	35.42 Gbps
<input checked="" type="checkbox"/>	udp	2.07 Gbps	1.13 Gbps	3.20 Gbps
<input checked="" type="checkbox"/>	esp	118.98 Mbps	31.57 Mbps	150.55 Mbps
<input checked="" type="checkbox"/>	gre	26.12 Mbps	109.48 Mbps	135.60 Mbps
<input checked="" type="checkbox"/>	icmp	19.81 Mbps	21.39 Mbps	41.19 Mbps
<input type="checkbox"/>	61	13.91 Mbps	0.00 bps	13.91 Mbps
<input type="checkbox"/>	ipv6-icmp	2.44 Mbps	2.96 Mbps	5.40 Mbps
<input type="checkbox"/>	ipv6	1.54 Mbps	1.59 Mbps	3.13 Mbps
<input type="checkbox"/>	ipencap	477.00 bps	3.00 bps	480.00 bps

	PROTOCOL	IN	OUT	TOTAL
<input type="checkbox"/>	sctp	111.00 bps	0.00 bps	111.00 bps

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