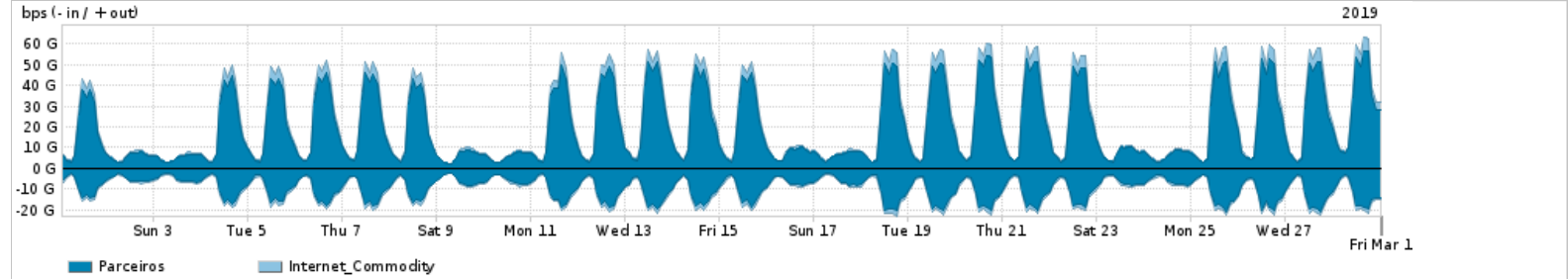


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).

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)

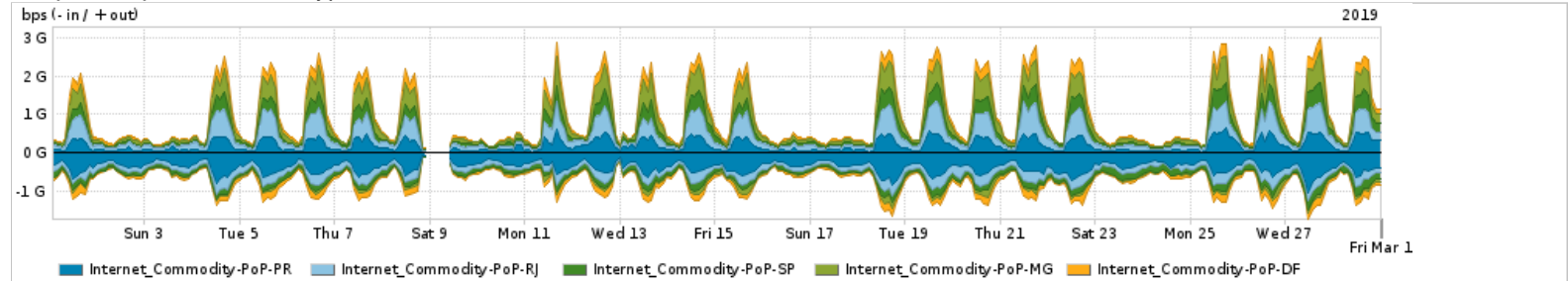
### Tráfego agregado dos acessos comerciais da RNP



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Parceiros	9.63 Gbps	19.36 Gbps	28.99 Gbps
<input checked="" type="checkbox"/> Internet_Commodity	1.08 Gbps	2.34 Gbps	3.42 Gbps

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

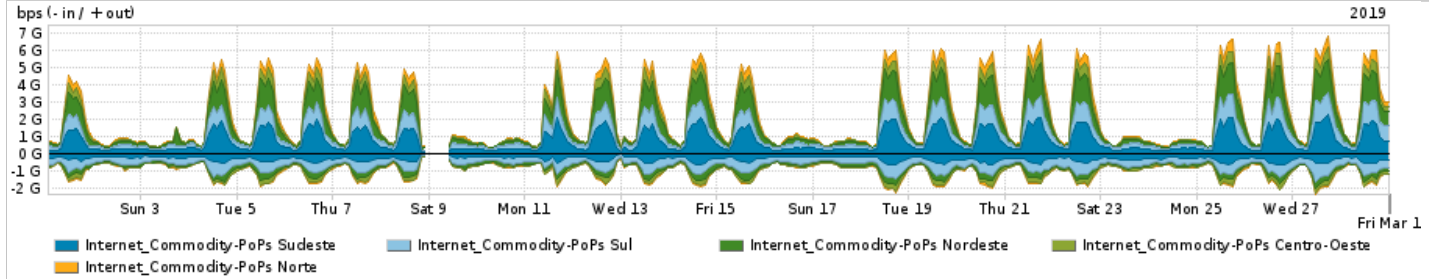


Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Internet_Commodity	PoP-PR	366.70 Mbps	188.12 Mbps	554.82 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-RJ	151.72 Mbps	257.27 Mbps	408.98 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-SP	115.55 Mbps	158.38 Mbps	273.93 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-MG	39.01 Mbps	230.75 Mbps	269.76 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-DF	82.74 Mbps	118.48 Mbps	201.22 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-RS	12.60 Mbps	171.09 Mbps	183.69 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-PE	44.71 Mbps	96.92 Mbps	141.62 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-CE	29.92 Mbps	110.75 Mbps	140.67 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-SC	22.26 Mbps	116.91 Mbps	139.17 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-BA	31.41 Mbps	88.96 Mbps	120.36 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-PB	29.14 Mbps	79.32 Mbps	108.46 Mbps

	PROFILE	PROFILE	IN	OUT	TOTAL
<input type="checkbox"/>	Internet_Commodity	PoP-PA	6.65 Mbps	95.90 Mbps	102.55 Mbps
<input type="checkbox"/>	Internet_Commodity	PoP-RN	12.80 Mbps	89.46 Mbps	102.26 Mbps
<input type="checkbox"/>	Internet_Commodity	PoP-ES	23.96 Mbps	49.52 Mbps	73.49 Mbps
<input type="checkbox"/>	Internet_Commodity	PoP-GO	15.52 Mbps	54.54 Mbps	70.07 Mbps

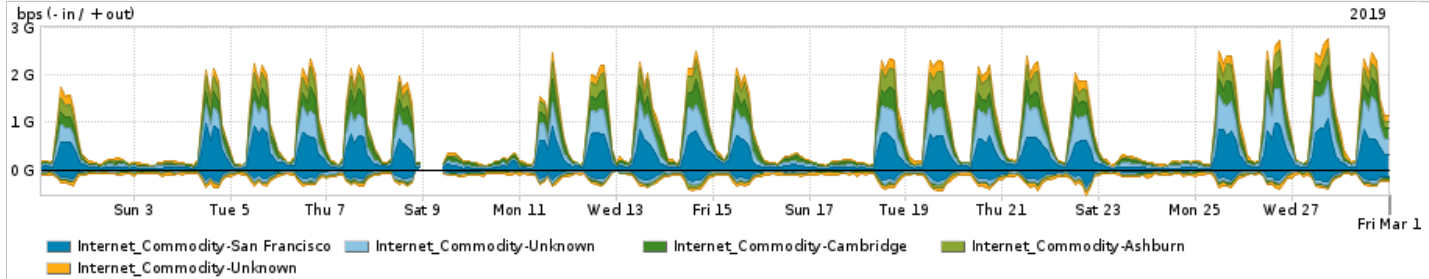
Utilização do serviço de Internet Commodity pelos PoPs da RNP agrupados por região



Average | Max | PCT95

	PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Sudeste	330.24 Mbps	695.92 Mbps	1.03 Gbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Sul	401.56 Mbps	476.12 Mbps	877.68 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Nordeste	174.06 Mbps	604.37 Mbps	778.43 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Centro-Oeste	126.08 Mbps	232.20 Mbps	358.28 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Norte	35.53 Mbps	204.26 Mbps	239.79 Mbps

Interesse de tráfego do serviço de Internet Commodity por cidade

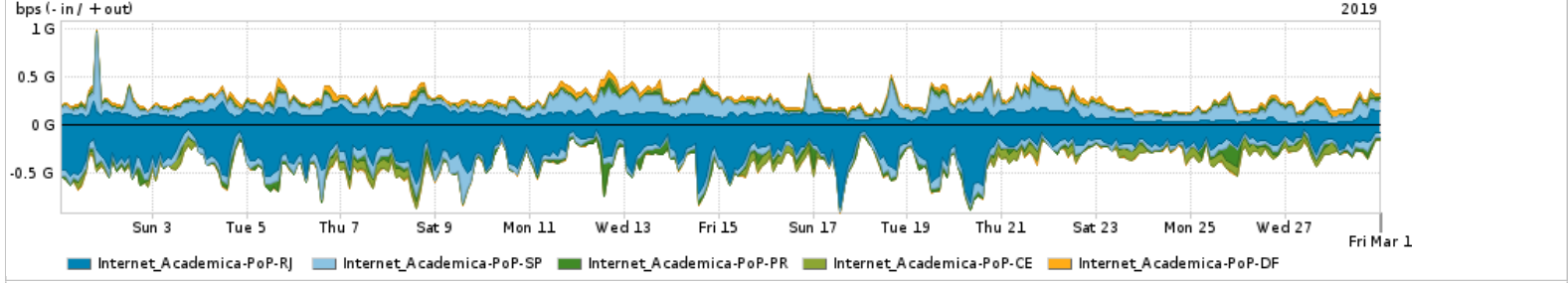


Average | Max | PCT95

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Commodity	San Francisco	73.41 Mbps	261.75 Mbps	335.16 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Unknown	31.53 Mbps	201.27 Mbps	232.80 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Cambridge	8.40 Mbps	141.24 Mbps	149.64 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Ashburn	25.86 Mbps	121.79 Mbps	147.65 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Unknown	45.90 Mbps	82.30 Mbps	128.20 Mbps
<input type="checkbox"/>	Internet_Commodity	Seattle	4.95 Mbps	87.87 Mbps	92.81 Mbps
<input type="checkbox"/>	Internet_Commodity	Unknown	7.60 Mbps	81.17 Mbps	88.77 Mbps
<input type="checkbox"/>	Internet_Commodity	Unknown	8.20 Mbps	80.35 Mbps	88.55 Mbps
<input type="checkbox"/>	Internet_Commodity	Unknown	13.12 Mbps	70.66 Mbps	83.77 Mbps

	PROFILE	CITY	IN	OUT	TOTAL
<input type="checkbox"/>	Internet_Commodity	Unknown	2.22 Mbps	71.63 Mbps	73.85 Mbps

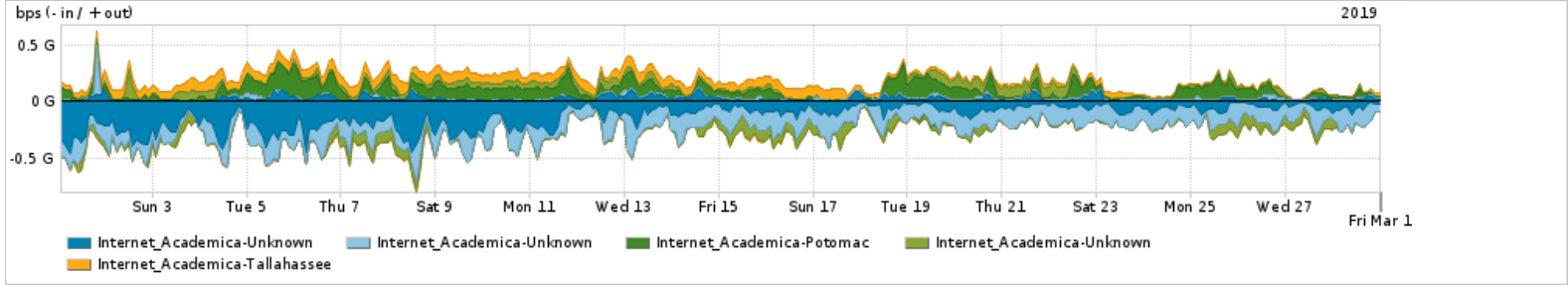
Distribuição do uso do serviço de Internet acadêmica internacional pelos PoPs da RNP



Average | Max | PCT95

	PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Academica	PoP-RJ	282.01 Mbps	101.62 Mbps	383.63 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-SP	60.45 Mbps	108.96 Mbps	169.41 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-PR	28.85 Mbps	15.93 Mbps	44.79 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-CE	30.31 Mbps	8.46 Mbps	38.77 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-DF	4.20 Mbps	32.03 Mbps	36.22 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-PA	517.65 Kbps	34.21 Mbps	34.73 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-MG	3.86 Mbps	20.31 Mbps	24.17 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-SC	5.18 Mbps	17.49 Mbps	22.67 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-RS	1.71 Mbps	17.95 Mbps	19.66 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-BA	492.62 Kbps	14.83 Mbps	15.32 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-RN	423.58 Kbps	9.96 Mbps	10.39 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-ES	657.34 Kbps	7.26 Mbps	7.92 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-PE	1.17 Mbps	6.11 Mbps	7.28 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-MA	152.94 Kbps	3.80 Mbps	3.96 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-AL	87.29 Kbps	3.37 Mbps	3.45 Mbps

Interesse de trafego do serviço de Internet acadêmica internacional por cidades

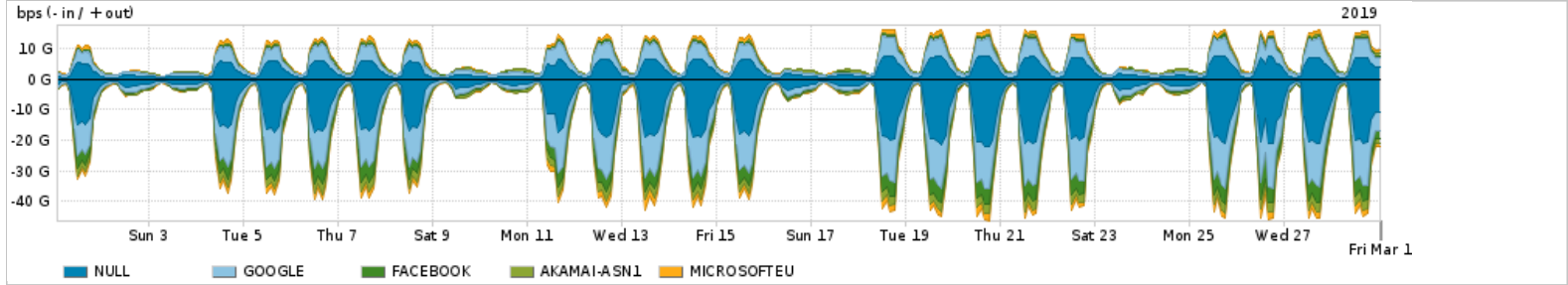


Average | Max | PCT95

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Academica	Unknown	129.53 Mbps	22.06 Mbps	151.60 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	Unknown	135.14 Mbps	11.15 Mbps	146.28 Mbps

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Academica	Potomac	491.36 Kbps	69.65 Mbps	70.14 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	Unknown	32.31 Mbps	33.76 Mbps	66.07 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	Tallahassee	2.06 Mbps	55.30 Mbps	57.37 Mbps
<input type="checkbox"/>	Internet_Academica	Boulder	1.17 Mbps	32.82 Mbps	33.99 Mbps
<input type="checkbox"/>	Internet_Academica	Laurel	432.42 Kbps	27.19 Mbps	27.62 Mbps
<input type="checkbox"/>	Internet_Academica	Unknown	412.62 Kbps	20.29 Mbps	20.71 Mbps
<input type="checkbox"/>	Internet_Academica	Unknown	15.59 Mbps	2.58 Mbps	18.17 Mbps
<input type="checkbox"/>	Internet_Academica	Sioux Falls	1.81 Mbps	11.92 Mbps	13.73 Mbps

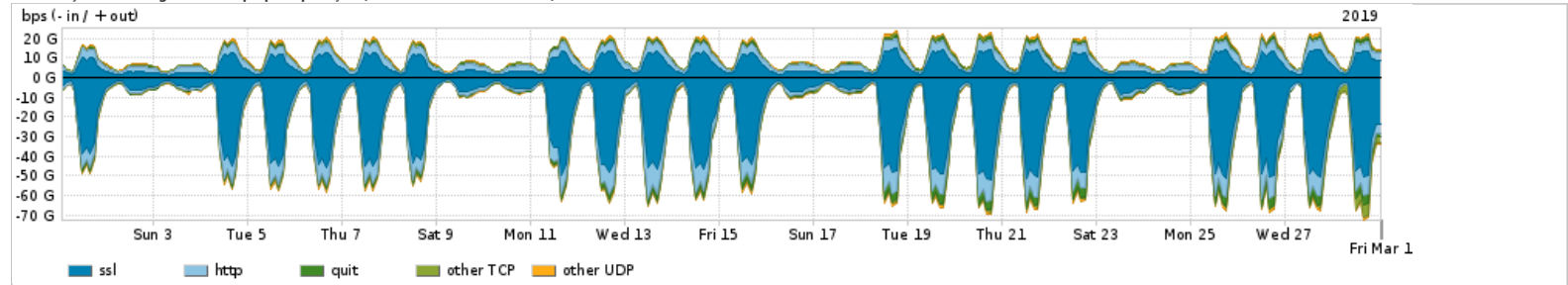
Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



Average | Max | PCT95

	AS NAME	ASN	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	NULL	0	7.13 Gbps	2.71 Gbps	9.84 Gbps
<input checked="" type="checkbox"/>	GOOGLE	15169	4.79 Gbps	2.56 Gbps	7.35 Gbps
<input checked="" type="checkbox"/>	FACEBOOK	32934	1.76 Gbps	207.95 Mbps	1.97 Gbps
<input checked="" type="checkbox"/>	AKAMAI-ASN1	20940	1.22 Gbps	456.88 Mbps	1.68 Gbps
<input checked="" type="checkbox"/>	MICROSOFTEU	8068	794.97 Mbps	462.01 Mbps	1.26 Gbps
<input type="checkbox"/>	CLARO	28573	202.92 Mbps	824.98 Mbps	1.03 Gbps
<input type="checkbox"/>	AMAZON-02	16509	769.23 Mbps	212.99 Mbps	982.22 Mbps
<input type="checkbox"/>	NETFLIX	2906	747.04 Mbps	20.97 Mbps	768.01 Mbps
<input type="checkbox"/>	EDGECAST	15133	741.61 Mbps	19.66 Mbps	761.27 Mbps
<input type="checkbox"/>	MICROSOFT-CORP-MSN-AS-BLOCK	8075	286.76 Mbps	347.47 Mbps	634.23 Mbps
<input type="checkbox"/>	GCEPSA-BR	28604	525.07 Mbps	21.38 Mbps	546.45 Mbps
<input type="checkbox"/>	TELEFONICA-BRASIL-SA-BR	18881	68.27 Mbps	394.27 Mbps	462.54 Mbps
<input type="checkbox"/>	LEVEL3-AS3549	3549	426.76 Mbps	21.41 Mbps	448.17 Mbps
<input type="checkbox"/>	APPLE	714	171.93 Mbps	221.84 Mbps	393.77 Mbps
<input type="checkbox"/>	CLOUDFLARENET	13335	308.40 Mbps	57.62 Mbps	366.02 Mbps

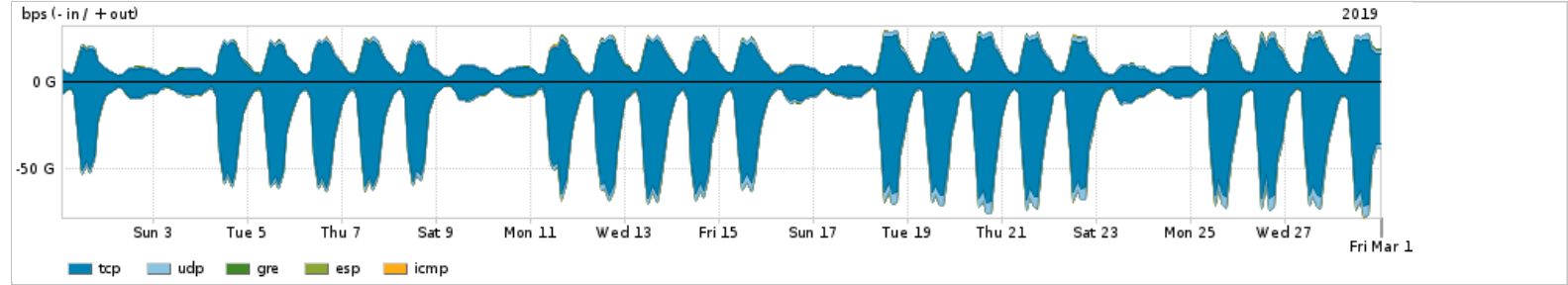
Distribuição do tráfego da rede Ipê por aplicação (análise nas camadas 3 e 4)



Average | Max | PCT95


	APPLICATION	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	ssl	17.74 Gbps	5.80 Gbps	23.53 Gbps
<input checked="" type="checkbox"/>	http	4.04 Gbps	2.96 Gbps	7.00 Gbps
<input checked="" type="checkbox"/>	quit	1.14 Gbps	336.17 Mbps	1.48 Gbps
<input checked="" type="checkbox"/>	other TCP	657.52 Mbps	691.39 Mbps	1.35 Gbps
<input checked="" type="checkbox"/>	other UDP	481.18 Mbps	613.15 Mbps	1.09 Gbps
<input type="checkbox"/>	ssh	70.23 Mbps	63.60 Mbps	133.83 Mbps
<input type="checkbox"/>	rsync	74.93 Mbps	51.90 Mbps	126.83 Mbps
<input type="checkbox"/>	dns	34.25 Mbps	34.33 Mbps	68.58 Mbps
<input type="checkbox"/>	ntp	14.04 Mbps	48.55 Mbps	62.59 Mbps
<input type="checkbox"/>	smtp	24.88 Mbps	32.32 Mbps	57.20 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

	PROTOCOL	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	tcp	24.50 Gbps	11.86 Gbps	36.36 Gbps
<input checked="" type="checkbox"/>	udp	1.83 Gbps	1.17 Gbps	3.01 Gbps
<input checked="" type="checkbox"/>	gre	19.58 Mbps	136.64 Mbps	156.22 Mbps
<input checked="" type="checkbox"/>	esp	121.99 Mbps	33.44 Mbps	155.43 Mbps
<input checked="" type="checkbox"/>	icmp	21.00 Mbps	21.69 Mbps	42.69 Mbps
<input type="checkbox"/>	ipv6-icmp	2.31 Mbps	3.08 Mbps	5.38 Mbps
<input type="checkbox"/>	ipv6	2.19 Mbps	1.56 Mbps	3.75 Mbps
<input type="checkbox"/>	61	2.87 Mbps	0.00 bps	2.87 Mbps
<input type="checkbox"/>	ipencap	850.00 bps	382.00 bps	1.23 Kbps

	PROTOCOL	IN	OUT	TOTAL
<input type="checkbox"/>	255	53.00 bps	0.00 bps	53.00 bps

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