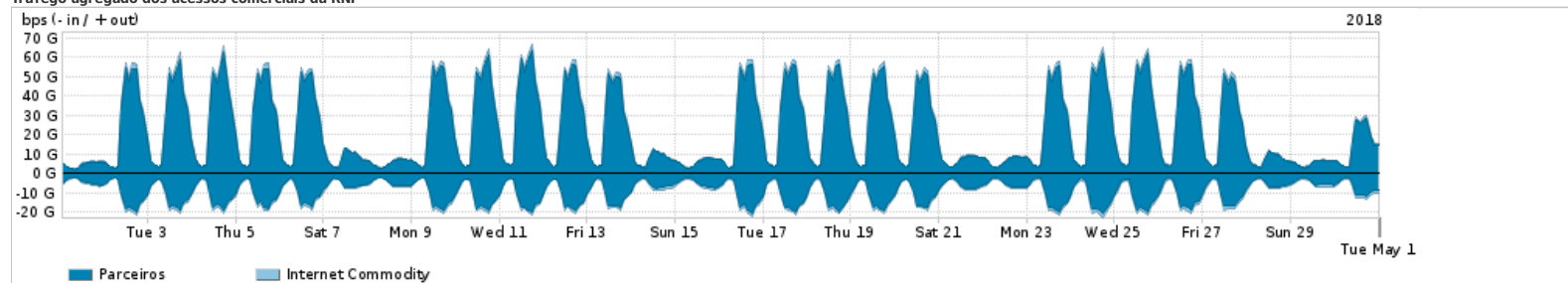


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).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

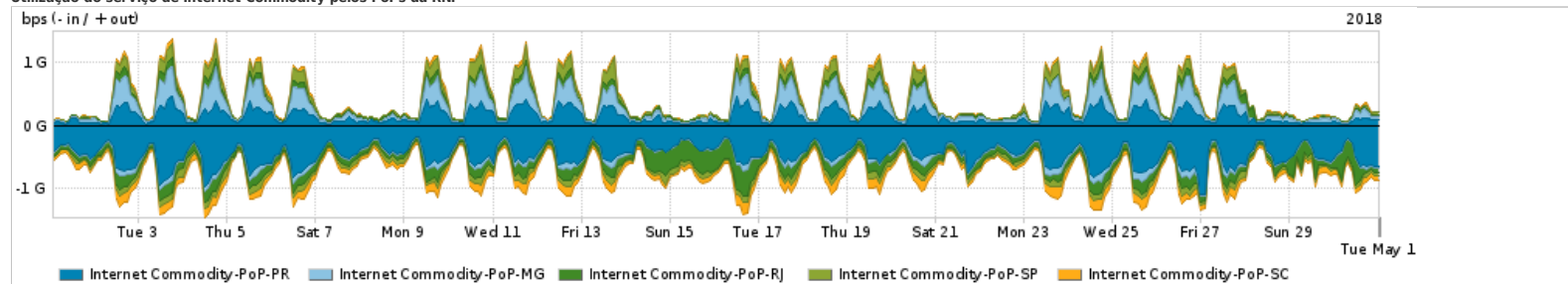
**Tráfego agregado dos acessos comerciais da RNP**



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Parceiros	9.50 Gbps	21.80 Gbps	31.30 Gbps
<input checked="" type="checkbox"/> Internet Commodity	1.00 Gbps	1.02 Gbps	2.02 Gbps

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

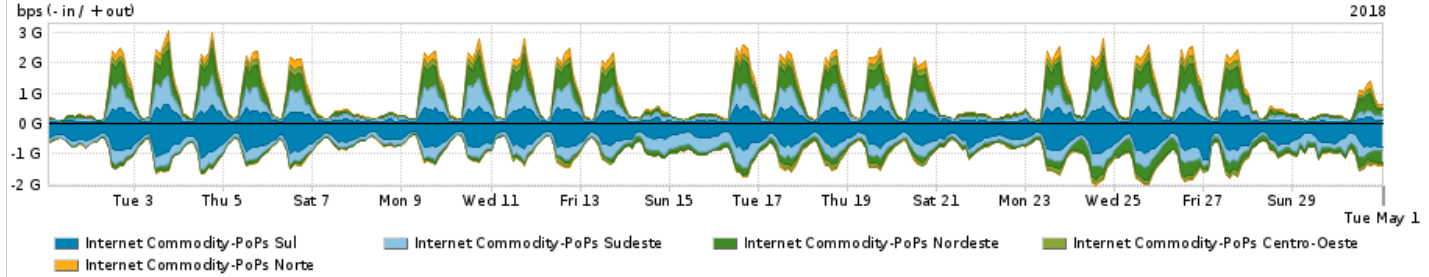


Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Internet Commodity	PoP-PR	467.42 Mbps	142.18 Mbps	609.60 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-MG	38.56 Mbps	148.88 Mbps	187.45 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-RJ	134.36 Mbps	44.60 Mbps	178.96 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-SP	57.80 Mbps	71.33 Mbps	129.13 Mbps
<input checked="" type="checkbox"/> Internet Commodity	PoP-SC	80.39 Mbps	22.49 Mbps	102.88 Mbps
<input type="checkbox"/> Internet Commodity	PoP-BA	66.07 Mbps	15.65 Mbps	81.72 Mbps
<input type="checkbox"/> Internet Commodity	PoP-PE	14.32 Mbps	47.95 Mbps	62.28 Mbps
<input type="checkbox"/> Internet Commodity	PoP-CE	7.09 Mbps	51.92 Mbps	59.01 Mbps
<input type="checkbox"/> Internet Commodity	PoP-RS	10.50 Mbps	46.62 Mbps	57.12 Mbps
<input type="checkbox"/> Internet Commodity	PoP-PB	14.23 Mbps	37.58 Mbps	51.81 Mbps
<input type="checkbox"/> Internet Commodity	PoP-GO	9.88 Mbps	37.15 Mbps	47.03 Mbps

	PROFILE	PROFILE	IN	OUT	TOTAL
<input type="checkbox"/>	Internet Commodity	PoP-DF	24.89 Mbps	19.64 Mbps	44.53 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PA	5.11 Mbps	36.77 Mbps	41.88 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-ES	16.38 Mbps	24.48 Mbps	40.85 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-MA	4.59 Mbps	34.92 Mbps	39.51 Mbps

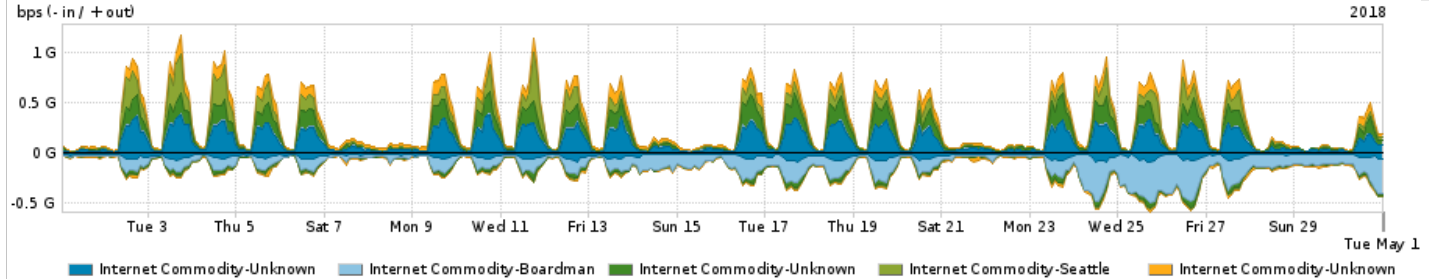
Utilização do serviço de Internet Commodity pelos PoPs da RNP agrupados por região



Average | Max | PCT95

	PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sul	558.31 Mbps	211.30 Mbps	769.60 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sudeste	247.09 Mbps	289.29 Mbps	536.38 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Nordeste	127.08 Mbps	260.63 Mbps	387.71 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Centro-Oeste	44.40 Mbps	83.02 Mbps	127.41 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Norte	18.82 Mbps	98.47 Mbps	117.29 Mbps

Interesse de tráfego do serviço de Internet Commodity por cidade

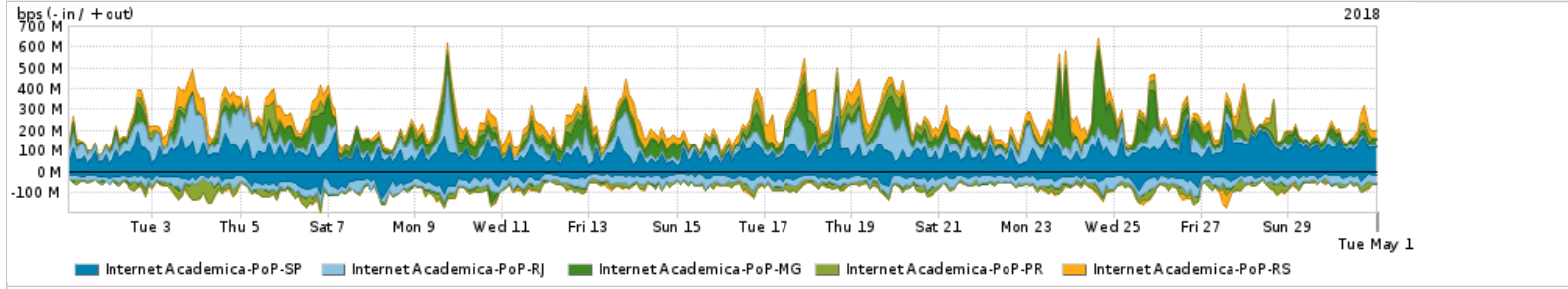


Average | Max | PCT95

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	32.15 Mbps	111.58 Mbps	143.73 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Boardman	109.34 Mbps	3.75 Mbps	113.10 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	12.40 Mbps	70.91 Mbps	83.31 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Seattle	7.43 Mbps	59.69 Mbps	67.12 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	11.42 Mbps	52.47 Mbps	63.89 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	5.05 Mbps	40.18 Mbps	45.23 Mbps
<input type="checkbox"/>	Internet Commodity	San Francisco	11.75 Mbps	26.83 Mbps	38.58 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	6.04 Mbps	28.17 Mbps	34.21 Mbps
<input type="checkbox"/>	Internet Commodity	Cambridge	5.18 Mbps	25.18 Mbps	30.36 Mbps

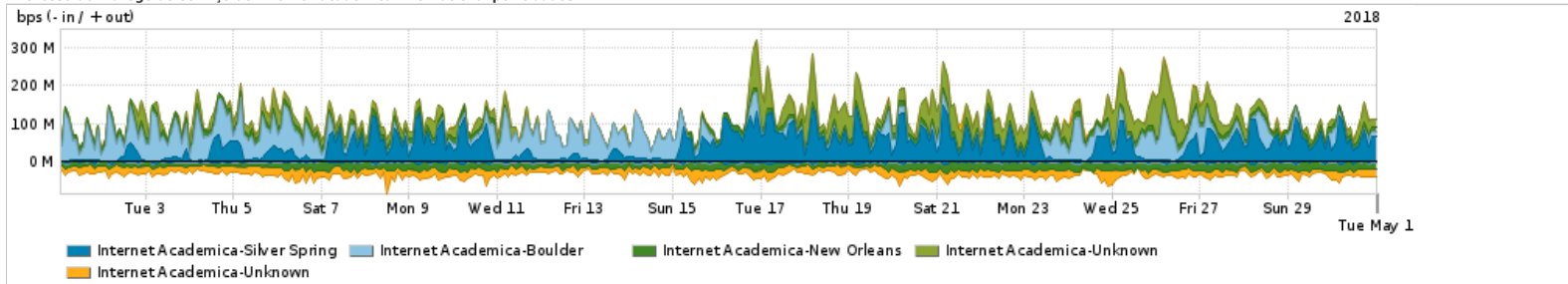
	PROFILE	CITY	IN	OUT	TOTAL
<input type="checkbox"/>	Internet Commodity	Buenos Aires	27.50 Mbps	941.58 Kbps	28.44 Mbps

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	33.08 Mbps	91.45 Mbps	124.53 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-RJ	32.58 Mbps	51.58 Mbps	84.17 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-MG	2.59 Mbps	43.99 Mbps	46.58 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-PR	16.62 Mbps	20.81 Mbps	37.43 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-RS	2.42 Mbps	34.85 Mbps	37.28 Mbps
<input type="checkbox"/>	Internet Academica	PoP-CE	14.39 Mbps	17.54 Mbps	31.93 Mbps
<input type="checkbox"/>	Internet Academica	PoP-SC	2.58 Mbps	18.31 Mbps	20.89 Mbps
<input type="checkbox"/>	Internet Academica	PoP-DF	3.25 Mbps	11.22 Mbps	14.47 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PA	1.51 Mbps	5.60 Mbps	7.11 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PE	425.21 Kbps	5.08 Mbps	5.50 Mbps
<input type="checkbox"/>	Internet Academica	PoP-RN	303.85 Kbps	4.91 Mbps	5.22 Mbps
<input type="checkbox"/>	Internet Academica	PoP-ES	301.87 Kbps	4.60 Mbps	4.90 Mbps
<input type="checkbox"/>	Internet Academica	PoP-AM	466.14 Kbps	3.71 Mbps	4.18 Mbps
<input type="checkbox"/>	Internet Academica	PoP-BA	357.33 Kbps	2.75 Mbps	3.11 Mbps
<input type="checkbox"/>	Internet Academica	PoP-GO	149.84 Kbps	2.87 Mbps	3.02 Mbps

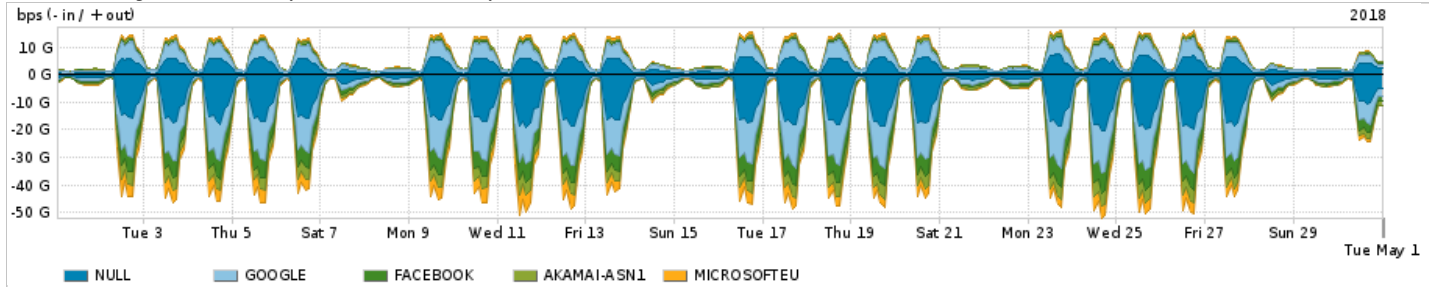
Interesse de trafego do serviço de Internet acadêmica internacional por cidades



	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Academica	Silver Spring	1.78 Mbps	42.50 Mbps	44.29 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Boulder	754.03 Kbps	33.69 Mbps	34.45 Mbps

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Academica	New Orleans	15.73 Mbps	12.54 Mbps	28.28 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Unknown	369.22 Kbps	26.02 Mbps	26.39 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Unknown	17.31 Mbps	942.28 Kbps	18.25 Mbps
<input type="checkbox"/>	Internet Academica	San Francisco	961.00 Kbps	15.25 Mbps	16.21 Mbps
<input type="checkbox"/>	Internet Academica	Huntsville	13.25 Mbps	1.32 Mbps	14.57 Mbps
<input type="checkbox"/>	Internet Academica	Sioux Falls	1.95 Mbps	12.08 Mbps	14.02 Mbps
<input type="checkbox"/>	Internet Academica	Rockville	186.23 Kbps	12.29 Mbps	12.47 Mbps
<input type="checkbox"/>	Internet Academica	Cern	5.21 Mbps	5.82 Mbps	11.03 Mbps

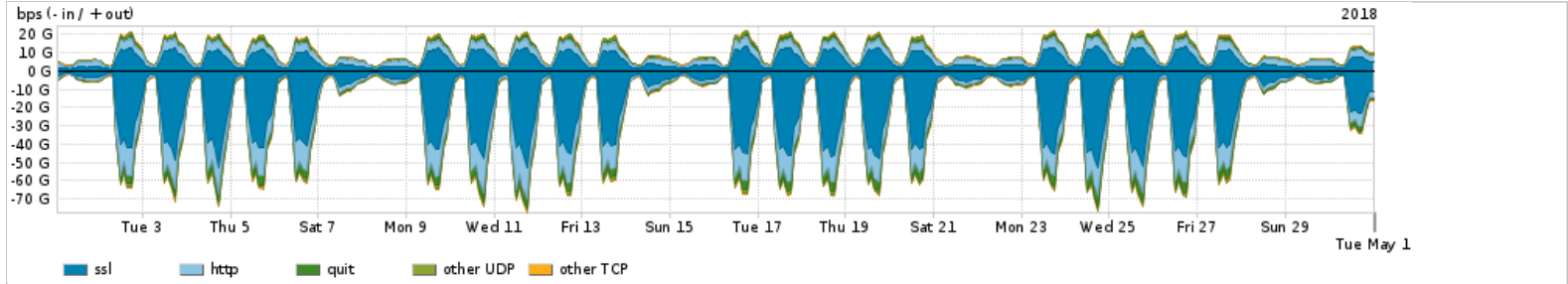
Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



Average | Max | PCT95

	AS NAME	ASN	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	NULL	0	6.71 Gbps	2.58 Gbps	9.29 Gbps
<input checked="" type="checkbox"/>	GOOGLE	15169	5.05 Gbps	2.65 Gbps	7.69 Gbps
<input checked="" type="checkbox"/>	FACEBOOK	32934	2.58 Gbps	216.87 Mbps	2.80 Gbps
<input checked="" type="checkbox"/>	AKAMAI-ASN1	20940	1.80 Gbps	555.28 Mbps	2.35 Gbps
<input checked="" type="checkbox"/>	MICROSOFTU	8068	1.73 Gbps	343.06 Mbps	2.07 Gbps
<input type="checkbox"/>	AMAZON-02	16509	875.29 Mbps	251.31 Mbps	1.13 Gbps
<input type="checkbox"/>	NETFLIX	2906	1.01 Gbps	21.66 Mbps	1.03 Gbps
<input type="checkbox"/>	CLARO	28573	154.32 Mbps	800.43 Mbps	954.75 Mbps
<input type="checkbox"/>	GCEPSA-BR	28604	796.31 Mbps	28.29 Mbps	824.60 Mbps
<input type="checkbox"/>	EDGECAST	15133	593.62 Mbps	21.17 Mbps	614.80 Mbps
<input type="checkbox"/>	APPLE	714	204.03 Mbps	392.60 Mbps	596.63 Mbps
<input type="checkbox"/>	MICROSOFT-CORP-MSN-AS-BLOCK	8075	235.37 Mbps	256.83 Mbps	492.20 Mbps
<input type="checkbox"/>	TELEFNICA-BRASIL-SA-BR	27699	82.42 Mbps	254.61 Mbps	337.04 Mbps
<input type="checkbox"/>	DROPBOX	19679	231.64 Mbps	92.10 Mbps	323.74 Mbps
<input type="checkbox"/>	CLOUDFLARENET	13335	243.54 Mbps	43.61 Mbps	287.15 Mbps

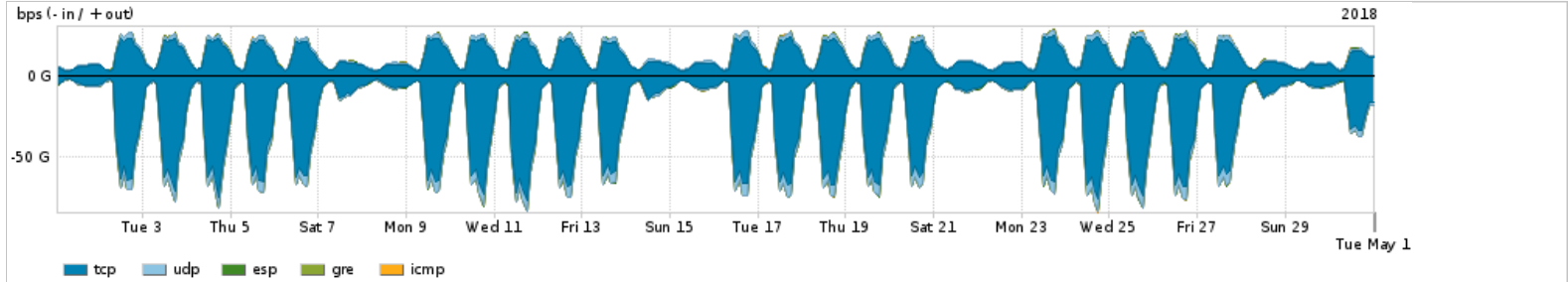
Distribuição do tráfego da rede Ipê por aplicação (análise nas camadas 3 e 4)



Average | Max | PCT95


	APPLICATION	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	ssl	16.84 Gbps	5.46 Gbps	22.29 Gbps
<input checked="" type="checkbox"/>	http	5.80 Gbps	3.09 Gbps	8.89 Gbps
<input checked="" type="checkbox"/>	quit	1.69 Gbps	521.83 Mbps	2.21 Gbps
<input checked="" type="checkbox"/>	other UDP	559.96 Mbps	745.09 Mbps	1.31 Gbps
<input checked="" type="checkbox"/>	other TCP	591.86 Mbps	401.06 Mbps	992.91 Mbps
<input type="checkbox"/>	rsync	89.21 Mbps	39.57 Mbps	128.78 Mbps
<input type="checkbox"/>	ssh	60.28 Mbps	40.33 Mbps	100.62 Mbps
<input type="checkbox"/>	smtp	33.02 Mbps	40.95 Mbps	73.97 Mbps
<input type="checkbox"/>	dns	34.18 Mbps	37.01 Mbps	71.19 Mbps
<input type="checkbox"/>	ldap	4.55 Mbps	53.66 Mbps	58.21 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

	PROTOCOL	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	tcp	26.06 Gbps	11.15 Gbps	37.21 Gbps
<input checked="" type="checkbox"/>	udp	2.47 Gbps	1.43 Gbps	3.91 Gbps
<input checked="" type="checkbox"/>	esp	125.05 Mbps	32.32 Mbps	157.37 Mbps
<input checked="" type="checkbox"/>	gre	18.14 Mbps	107.16 Mbps	125.30 Mbps
<input checked="" type="checkbox"/>	icmp	8.02 Mbps	10.81 Mbps	18.83 Mbps
<input type="checkbox"/>	ipv6	2.64 Mbps	1.01 Mbps	3.64 Mbps
<input type="checkbox"/>	ipv6-icmp	1.56 Mbps	1.93 Mbps	3.49 Mbps
<input type="checkbox"/>	254	24.17 Kbps	0.00 bps	24.17 Kbps
<input type="checkbox"/>	ipencap	11.02 Kbps	9.54 Kbps	20.56 Kbps

	PROTOCOL	IN	OUT	TOTAL
<input type="checkbox"/>	sctp	9.55 Kbps	16.00 bps	9.56 Kbps

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