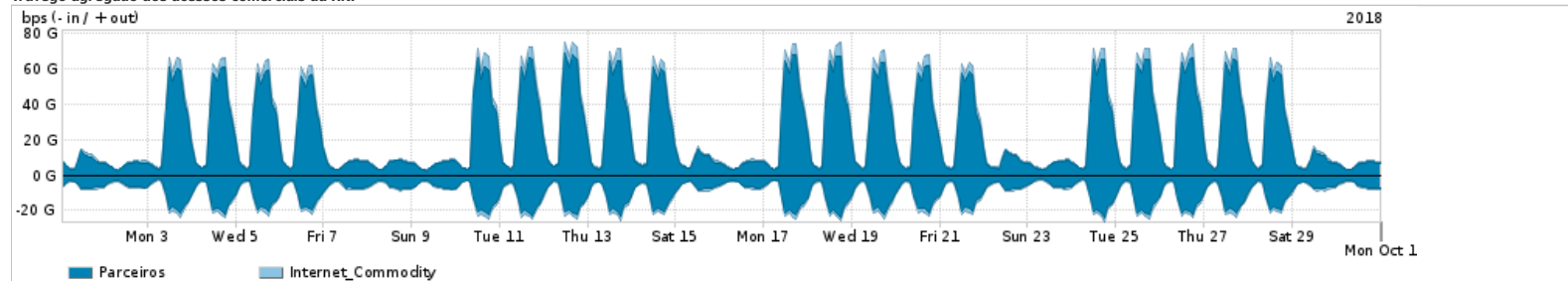


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).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

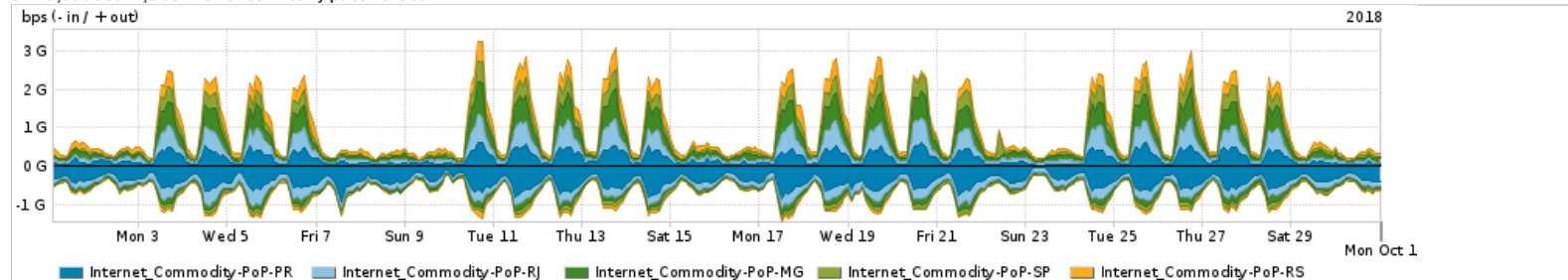
**Tráfego agregado dos acessos comerciais da RNP**



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Parceiros	10.09 Gbps	23.16 Gbps	33.26 Gbps
<input checked="" type="checkbox"/> Internet_Commodity	1.20 Gbps	2.36 Gbps	3.56 Gbps

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

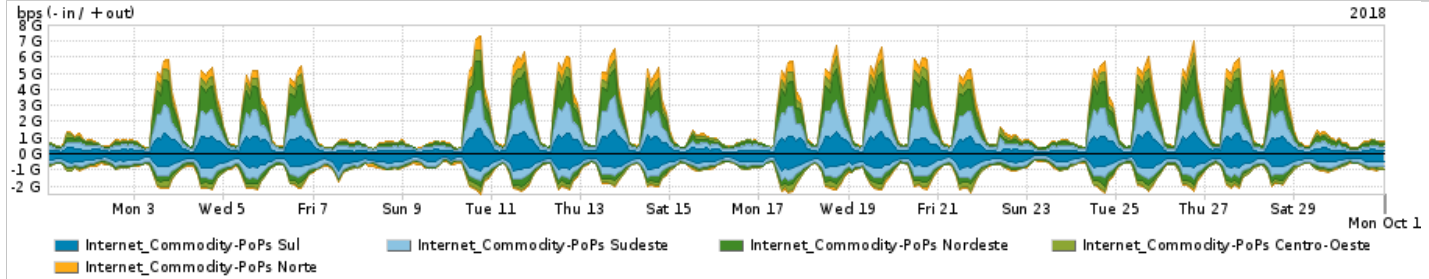


Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Internet_Commodity	PoP-PR	405.08 Mbps	187.19 Mbps	592.27 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-RJ	162.27 Mbps	218.33 Mbps	380.60 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-MG	70.42 Mbps	248.49 Mbps	318.91 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-SP	66.49 Mbps	154.57 Mbps	221.06 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-RS	39.63 Mbps	176.02 Mbps	215.65 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-SC	70.86 Mbps	126.36 Mbps	197.22 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-DF	82.90 Mbps	107.66 Mbps	190.57 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-BA	26.25 Mbps	100.52 Mbps	126.78 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-PA	14.91 Mbps	99.74 Mbps	114.64 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-PE	34.73 Mbps	78.74 Mbps	113.47 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-CE	16.27 Mbps	89.67 Mbps	105.94 Mbps

	PROFILE	PROFILE	IN	OUT	TOTAL
<input type="checkbox"/>	Internet_Commodity	PoP-RN	16.71 Mbps	81.89 Mbps	98.60 Mbps
<input type="checkbox"/>	Internet_Commodity	PoP-PB	26.89 Mbps	69.75 Mbps	96.64 Mbps
<input type="checkbox"/>	Internet_Commodity	PoP-GO	14.72 Mbps	63.99 Mbps	78.71 Mbps
<input type="checkbox"/>	Internet_Commodity	PoP-MA	15.02 Mbps	62.00 Mbps	77.02 Mbps

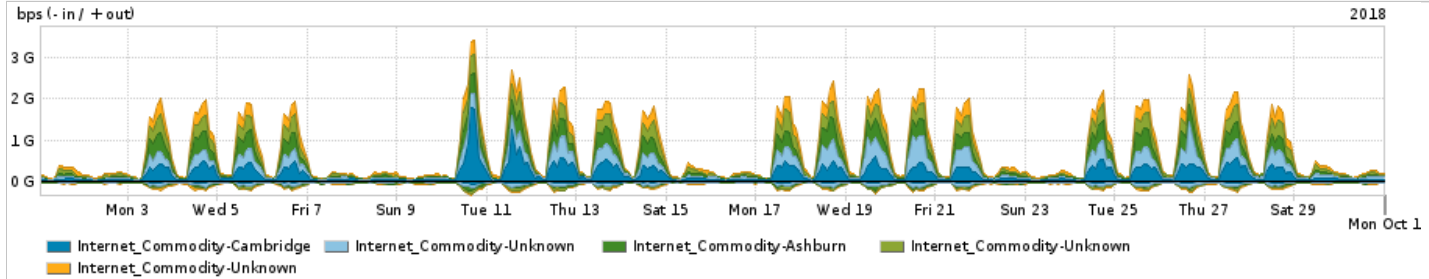
Utilização do serviço de Internet Commodity pelos PoPs da RNP agrupados por região



Average | Max | PCT95

	PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Sul	515.57 Mbps	489.58 Mbps	1.01 Gbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Sudeste	325.48 Mbps	661.59 Mbps	987.07 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Nordeste	169.40 Mbps	568.59 Mbps	737.99 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Centro-Oeste	117.70 Mbps	226.34 Mbps	344.04 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Norte	50.74 Mbps	209.48 Mbps	260.22 Mbps

Interesse de tráfego do serviço de Internet Commodity por cidade

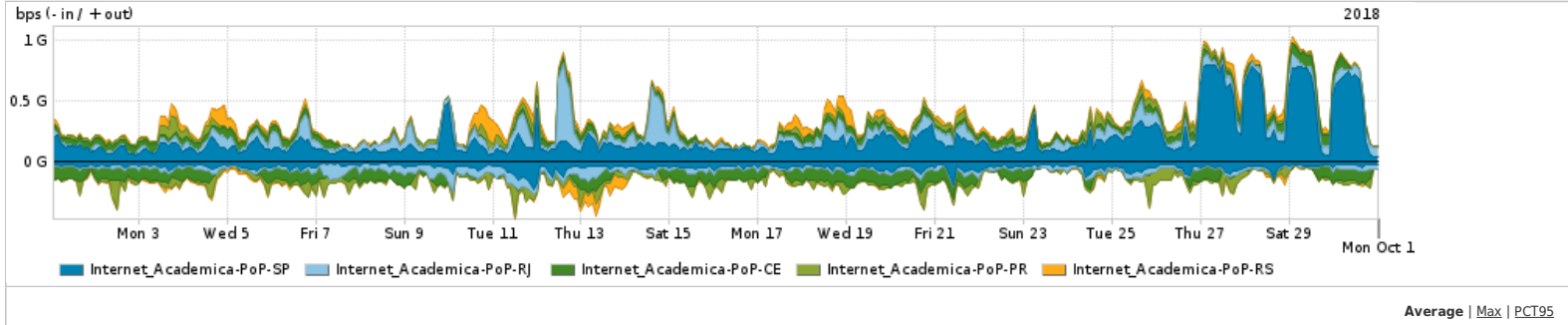


Average | Max | PCT95

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Commodity	Cambridge	15.82 Mbps	173.03 Mbps	188.85 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Unknown	34.24 Mbps	147.14 Mbps	181.38 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Ashburn	19.52 Mbps	139.94 Mbps	159.45 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Unknown	17.51 Mbps	140.05 Mbps	157.56 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Unknown	17.33 Mbps	123.10 Mbps	140.43 Mbps
<input type="checkbox"/>	Internet_Commodity	Unknown	42.54 Mbps	95.15 Mbps	137.69 Mbps
<input type="checkbox"/>	Internet_Commodity	Seattle	7.50 Mbps	123.18 Mbps	130.68 Mbps
<input type="checkbox"/>	Internet_Commodity	Boardman	82.23 Mbps	37.87 Mbps	120.10 Mbps
<input type="checkbox"/>	Internet_Commodity	Unknown	9.93 Mbps	67.98 Mbps	77.92 Mbps

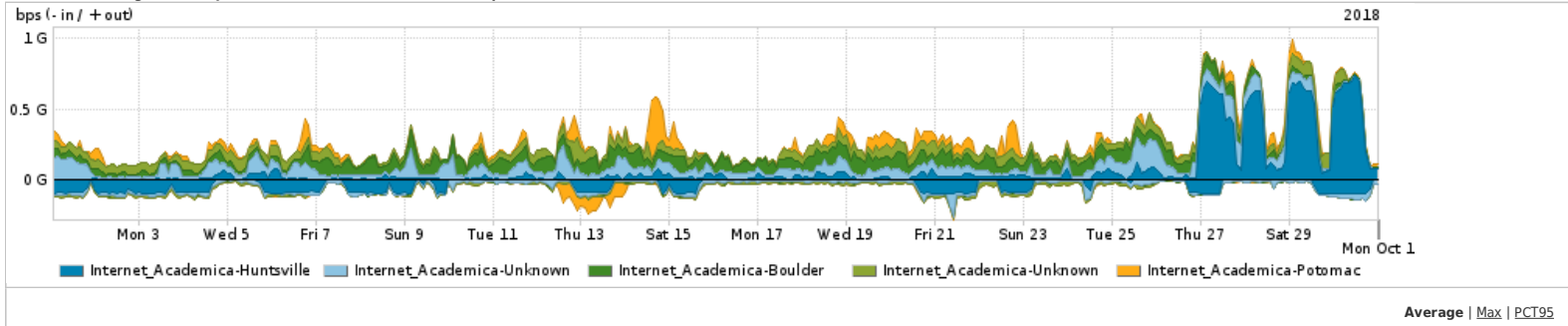
	PROFILE	CITY	IN	OUT	TOTAL
<input type="checkbox"/>	Internet_Commodity	Unknown	3.50 Mbps	72.25 Mbps	75.75 Mbps

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	45.58 Mbps	188.76 Mbps	234.34 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-RJ	34.74 Mbps	61.04 Mbps	95.78 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-CE	54.75 Mbps	37.91 Mbps	92.66 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-PR	33.15 Mbps	26.67 Mbps	59.83 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-RS	7.87 Mbps	28.22 Mbps	36.09 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-SC	3.30 Mbps	29.76 Mbps	33.06 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-MG	2.86 Mbps	22.10 Mbps	24.96 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-BA	1.53 Mbps	15.72 Mbps	17.26 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-DF	3.56 Mbps	12.74 Mbps	16.30 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-PA	1.98 Mbps	9.02 Mbps	11.00 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-RN	454.55 Kbps	8.41 Mbps	8.86 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-AL	122.64 Kbps	7.74 Mbps	7.86 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-PE	898.49 Kbps	5.65 Mbps	6.55 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-ES	592.92 Kbps	5.72 Mbps	6.31 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-AM	613.72 Kbps	2.22 Mbps	2.83 Mbps

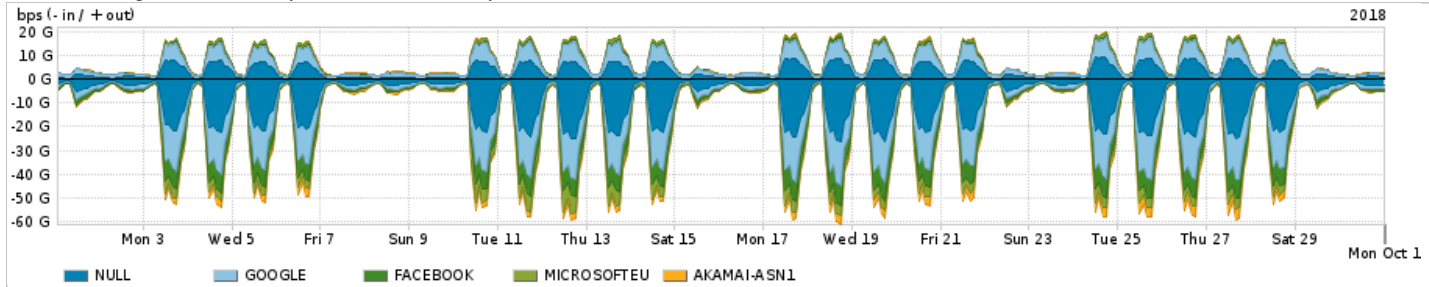
Interesse de trafego do serviço de Internet acadêmica internacional por cidades



	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Academica	Huntsville	40.23 Mbps	73.30 Mbps	113.53 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	Unknown	19.74 Mbps	60.82 Mbps	80.56 Mbps

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Academica	Boulder	981.85 Kbps	66.61 Mbps	67.59 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	Unknown	11.56 Mbps	49.22 Mbps	60.78 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	Potomac	4.44 Mbps	26.84 Mbps	31.28 Mbps
<input type="checkbox"/>	Internet_Academica	Santiago	17.98 Mbps	442.66 Kbps	18.42 Mbps
<input type="checkbox"/>	Internet_Academica	Laurel	1.50 Mbps	16.43 Mbps	17.93 Mbps
<input type="checkbox"/>	Internet_Academica	Unknown	5.90 Mbps	10.57 Mbps	16.47 Mbps
<input type="checkbox"/>	Internet_Academica	Unknown	6.56 Mbps	8.77 Mbps	15.33 Mbps
<input type="checkbox"/>	Internet_Academica	Sioux Falls	1.84 Mbps	13.42 Mbps	15.26 Mbps

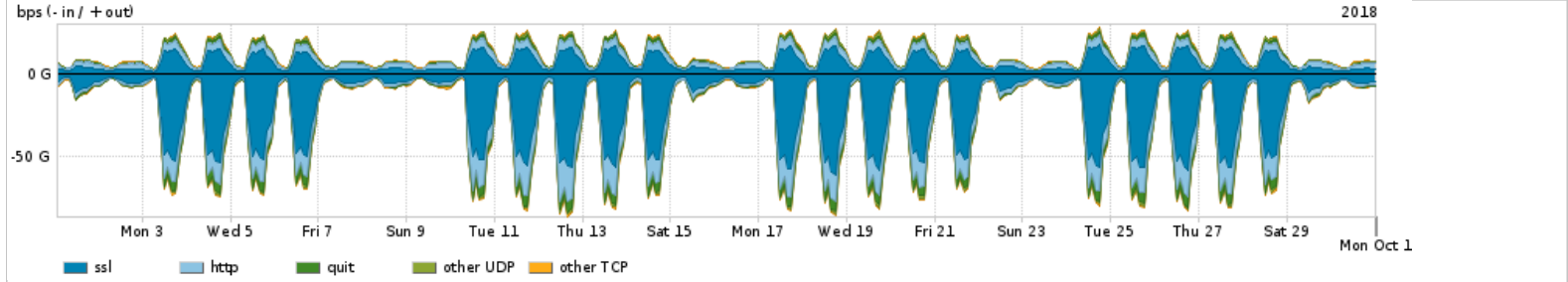
Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



Average | Max | PCT95

	AS NAME	ASN	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	NULL	0	8.20 Gbps	3.20 Gbps	11.40 Gbps
<input checked="" type="checkbox"/>	GOOGLE	15169	5.74 Gbps	3.27 Gbps	9.02 Gbps
<input checked="" type="checkbox"/>	FACEBOOK	32934	2.91 Gbps	268.93 Mbps	3.18 Gbps
<input checked="" type="checkbox"/>	MICROSOFTEU	8068	1.83 Gbps	432.41 Mbps	2.26 Gbps
<input checked="" type="checkbox"/>	AKAMAI-ASN1	20940	1.16 Gbps	156.64 Mbps	1.31 Gbps
<input type="checkbox"/>	AMAZON-02	16509	822.92 Mbps	323.44 Mbps	1.15 Gbps
<input type="checkbox"/>	CLARO	28573	175.20 Mbps	827.69 Mbps	1.00 Gbps
<input type="checkbox"/>	NETFLIX	2906	837.17 Mbps	20.84 Mbps	858.01 Mbps
<input type="checkbox"/>	EDGECAST	15133	621.97 Mbps	19.46 Mbps	641.42 Mbps
<input type="checkbox"/>	TELEFNICA-BRASIL-SA-BR	18881	89.90 Mbps	486.78 Mbps	576.68 Mbps
<input type="checkbox"/>	APPLE	714	195.93 Mbps	376.24 Mbps	572.17 Mbps
<input type="checkbox"/>	MICROSOFT-CORP-MSN-AS-BLOCK	8075	264.62 Mbps	284.78 Mbps	549.40 Mbps
<input type="checkbox"/>	GCEPSA-BR	28604	515.55 Mbps	16.79 Mbps	532.34 Mbps
<input type="checkbox"/>	LEVEL3-AS3549	3549	422.90 Mbps	20.33 Mbps	443.23 Mbps
<input type="checkbox"/>	HIGHWINDS3	20446	409.76 Mbps	3.43 Mbps	413.19 Mbps

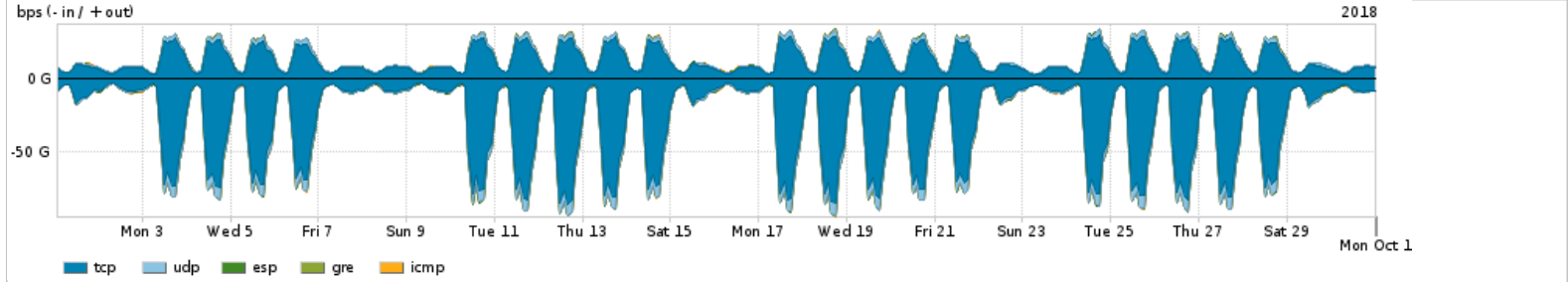
Distribuição do tráfego da rede Ipê por aplicação (análise nas camadas 3 e 4)



Average | Max | PCT95


	APPLICATION	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	ssl	19.17 Gbps	6.34 Gbps	25.51 Gbps
<input checked="" type="checkbox"/>	http	5.78 Gbps	3.12 Gbps	8.89 Gbps
<input checked="" type="checkbox"/>	quit	1.92 Gbps	638.01 Mbps	2.55 Gbps
<input checked="" type="checkbox"/>	other UDP	532.69 Mbps	802.27 Mbps	1.33 Gbps
<input checked="" type="checkbox"/>	other TCP	610.04 Mbps	441.94 Mbps	1.05 Gbps
<input type="checkbox"/>	rsync	77.44 Mbps	56.58 Mbps	134.03 Mbps
<input type="checkbox"/>	ssh	84.18 Mbps	49.42 Mbps	133.60 Mbps
<input type="checkbox"/>	dns	39.26 Mbps	45.29 Mbps	84.55 Mbps
<input type="checkbox"/>	smtp	31.46 Mbps	43.98 Mbps	75.44 Mbps
<input type="checkbox"/>	ldap	4.32 Mbps	52.94 Mbps	57.26 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

	PROTOCOL	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	tcp	28.76 Gbps	12.52 Gbps	41.27 Gbps
<input checked="" type="checkbox"/>	udp	2.71 Gbps	1.63 Gbps	4.34 Gbps
<input checked="" type="checkbox"/>	esp	127.65 Mbps	28.98 Mbps	156.63 Mbps
<input checked="" type="checkbox"/>	gre	23.43 Mbps	127.55 Mbps	150.97 Mbps
<input checked="" type="checkbox"/>	icmp	19.58 Mbps	23.28 Mbps	42.85 Mbps
<input type="checkbox"/>	ipv6	2.62 Mbps	1.89 Mbps	4.51 Mbps
<input type="checkbox"/>	ipv6-icmp	1.59 Mbps	2.10 Mbps	3.69 Mbps
<input type="checkbox"/>	ipencap	17.82 Kbps	11.24 Kbps	29.06 Kbps
<input type="checkbox"/>	ipv6-nonxt	169.00 bps	11.00 bps	180.00 bps

	PROTOCOL	IN	OUT	TOTAL
<input type="checkbox"/>	255	10.00 bps	0.00 bps	10.00 bps

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