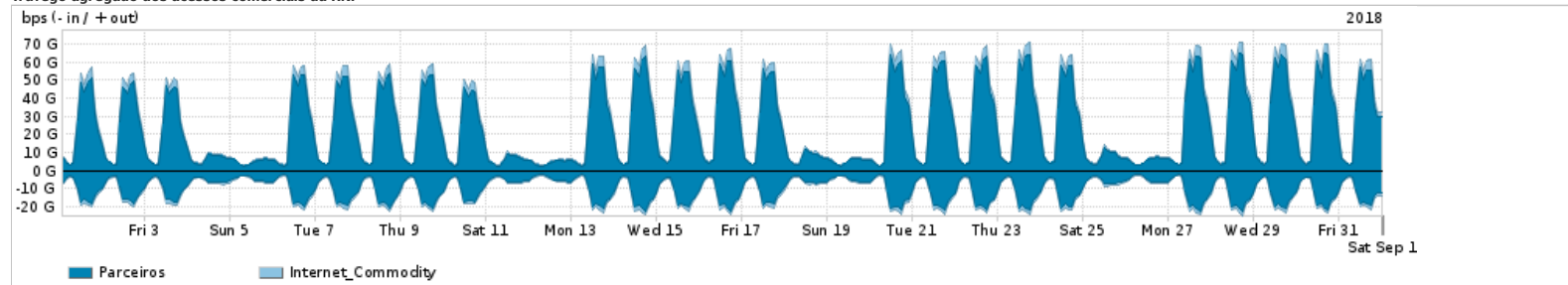


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).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

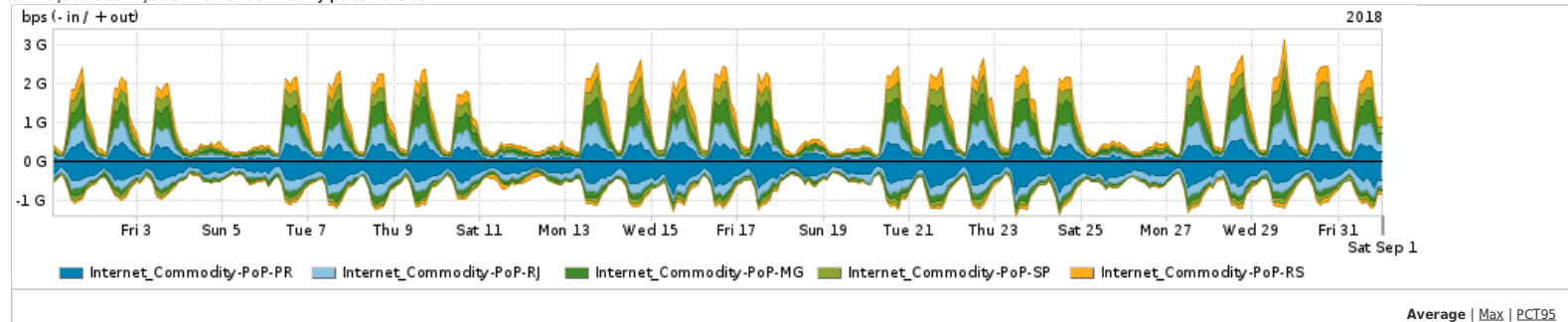
Tráfego agregado dos acessos comerciais da RNP



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Parceiros	10.07 Gbps	23.42 Gbps	33.49 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

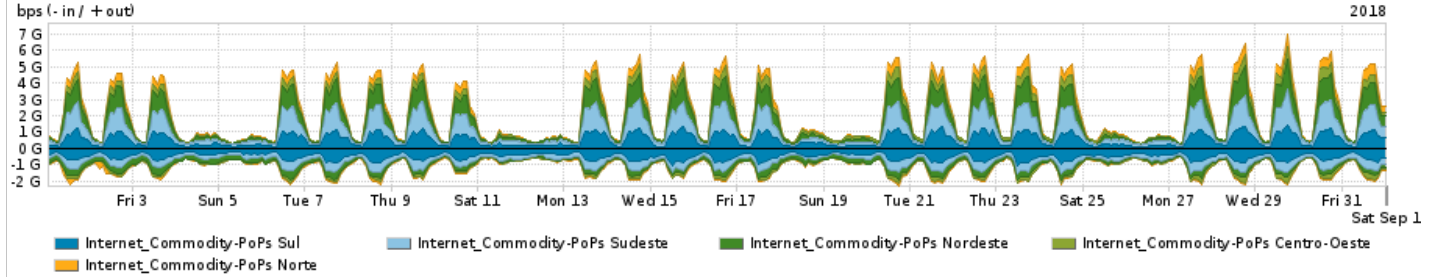


Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Internet_Commodity	PoP-PR	370.69 Mbps	188.27 Mbps	558.96 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-RJ	161.37 Mbps	214.23 Mbps	375.61 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-MG	71.54 Mbps	236.56 Mbps	308.11 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-SP	67.69 Mbps	165.51 Mbps	233.20 Mbps
<input checked="" type="checkbox"/> Internet_Commodity	PoP-RS	44.23 Mbps	183.72 Mbps	227.95 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-SC	73.52 Mbps	145.48 Mbps	219.00 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-BA	83.15 Mbps	96.18 Mbps	179.34 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-DF	60.45 Mbps	103.79 Mbps	164.24 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-PE	32.39 Mbps	85.81 Mbps	118.20 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-PA	12.07 Mbps	96.38 Mbps	108.45 Mbps
<input type="checkbox"/> Internet_Commodity	PoP-PB	34.44 Mbps	73.67 Mbps	108.11 Mbps

	PROFILE	PROFILE	IN	OUT	TOTAL
<input type="checkbox"/>	Internet_Commodity	PoP-CE	16.43 Mbps	90.97 Mbps	107.40 Mbps
<input type="checkbox"/>	Internet_Commodity	PoP-RN	16.76 Mbps	75.79 Mbps	92.55 Mbps
<input type="checkbox"/>	Internet_Commodity	PoP-GO	15.43 Mbps	57.72 Mbps	73.15 Mbps
<input type="checkbox"/>	Internet_Commodity	PoP-MA	13.69 Mbps	58.05 Mbps	71.74 Mbps

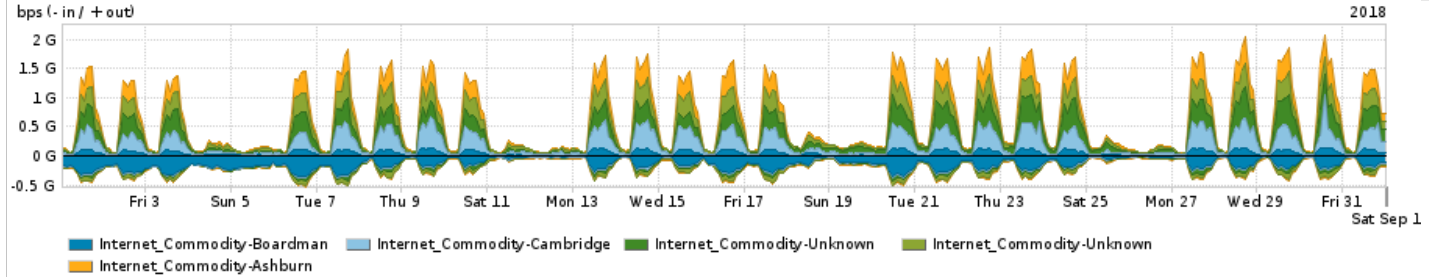
Utilização do serviço de Internet Commodity pelos PoPs da RNP agrupados por região



Average | Max | PCT95

	PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Sul	488.44 Mbps	517.47 Mbps	1.01 Gbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Sudeste	322.22 Mbps	657.22 Mbps	979.45 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Nordeste	225.49 Mbps	561.25 Mbps	786.75 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Centro-Oeste	93.25 Mbps	229.52 Mbps	322.77 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	PoPs Norte	49.84 Mbps	209.04 Mbps	258.88 Mbps

Interesse de tráfego do serviço de Internet Commodity por cidade

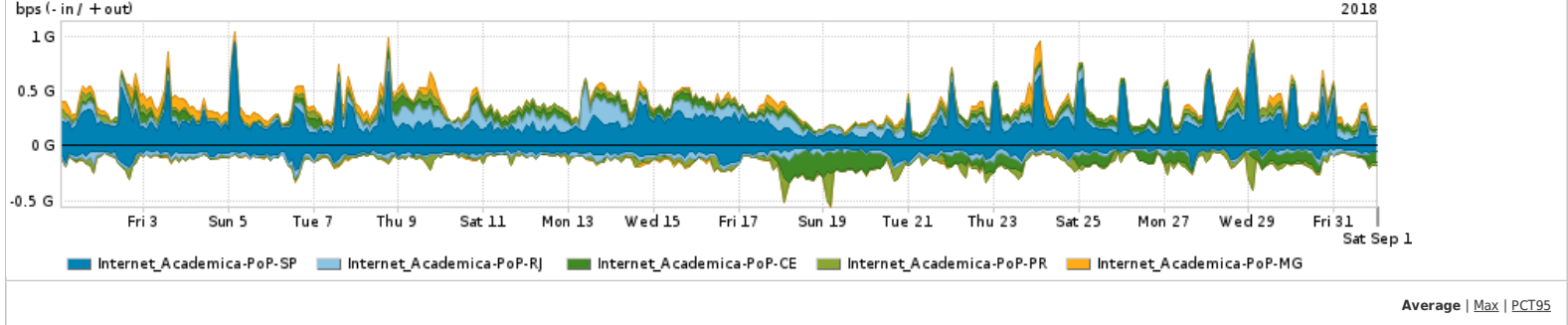


Average | Max | PCT95

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Commodity	Boardman	138.98 Mbps	46.08 Mbps	185.06 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Cambridge	14.71 Mbps	164.54 Mbps	179.24 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Unknown	18.48 Mbps	154.62 Mbps	173.10 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Unknown	32.04 Mbps	137.37 Mbps	169.41 Mbps
<input checked="" type="checkbox"/>	Internet_Commodity	Ashburn	13.01 Mbps	135.96 Mbps	148.97 Mbps
<input type="checkbox"/>	Internet_Commodity	Unknown	41.66 Mbps	103.30 Mbps	144.96 Mbps
<input type="checkbox"/>	Internet_Commodity	Unknown	23.08 Mbps	113.50 Mbps	136.58 Mbps
<input type="checkbox"/>	Internet_Commodity	Seattle	8.50 Mbps	119.32 Mbps	127.82 Mbps
<input type="checkbox"/>	Internet_Commodity	Unknown	9.92 Mbps	73.63 Mbps	83.55 Mbps

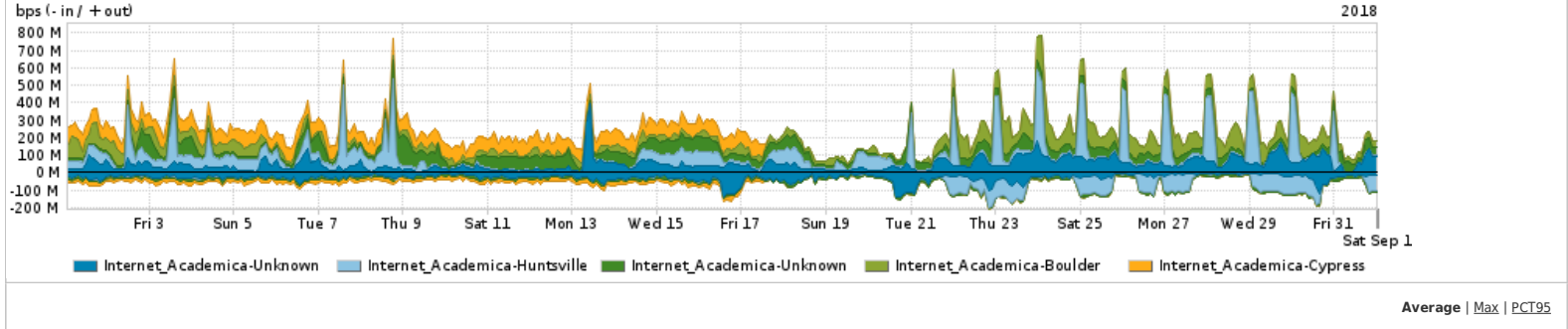
	PROFILE	CITY	IN	OUT	TOTAL
<input type="checkbox"/>	Internet_Commodity	Unknown	1.97 Mbps	65.46 Mbps	67.44 Mbps

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	64.28 Mbps	210.78 Mbps	275.06 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-RJ	26.46 Mbps	56.35 Mbps	82.81 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-CE	33.10 Mbps	33.00 Mbps	66.10 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-PR	27.18 Mbps	32.35 Mbps	59.53 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	PoP-MG	3.02 Mbps	34.07 Mbps	37.10 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-SC	2.83 Mbps	31.88 Mbps	34.72 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-RS	1.79 Mbps	29.00 Mbps	30.79 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-DF	2.13 Mbps	8.47 Mbps	10.60 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-PA	985.52 Kbps	8.89 Mbps	9.87 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-BA	295.15 Kbps	9.30 Mbps	9.60 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-RN	266.32 Kbps	7.75 Mbps	8.01 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-ES	609.10 Kbps	3.29 Mbps	3.90 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-PE	650.25 Kbps	2.87 Mbps	3.52 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-AL	55.78 Kbps	3.02 Mbps	3.08 Mbps
<input type="checkbox"/>	Internet_Academica	PoP-GO	184.46 Kbps	2.75 Mbps	2.94 Mbps

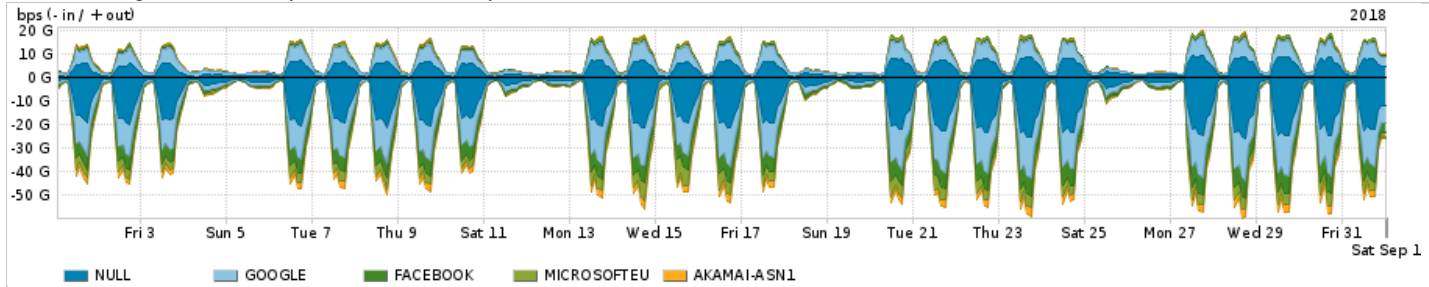
Interesse de trafego do serviço de Internet acadêmica internacional por cidades



	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Academica	Unknown	29.19 Mbps	47.42 Mbps	76.61 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	Huntsville	17.51 Mbps	55.15 Mbps	72.66 Mbps

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet_Academica	Unknown	10.80 Mbps	45.79 Mbps	56.59 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	Boulder	1.00 Mbps	52.96 Mbps	53.96 Mbps
<input checked="" type="checkbox"/>	Internet_Academica	Cypress	10.57 Mbps	41.50 Mbps	52.07 Mbps
<input type="checkbox"/>	Internet_Academica	Laurel	1.65 Mbps	37.73 Mbps	39.38 Mbps
<input type="checkbox"/>	Internet_Academica	Potomac	1.40 Mbps	32.81 Mbps	34.21 Mbps
<input type="checkbox"/>	Internet_Academica	Unknown	6.33 Mbps	15.71 Mbps	22.04 Mbps
<input type="checkbox"/>	Internet_Academica	Sioux Falls	1.97 Mbps	19.77 Mbps	21.74 Mbps
<input type="checkbox"/>	Internet_Academica	Beijing	15.07 Mbps	273.07 Kbps	15.35 Mbps

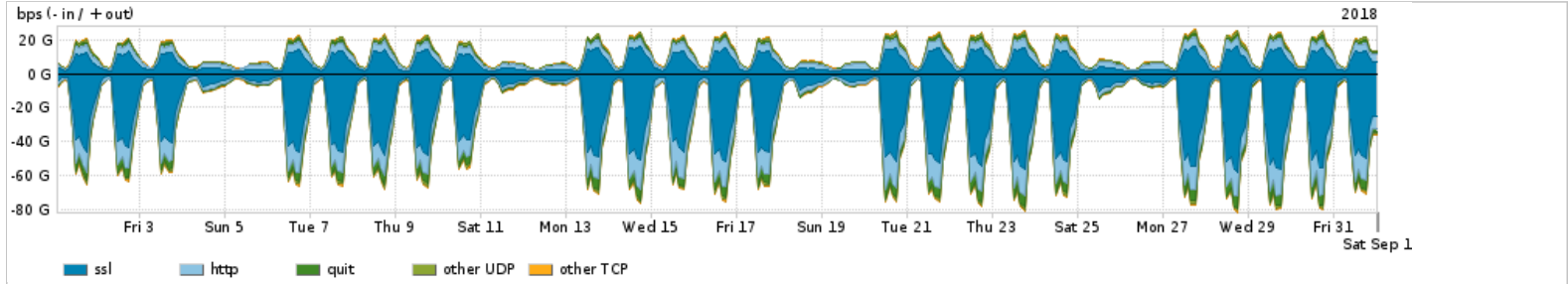
Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



Average | Max | PCT95

	AS NAME	ASN	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	NULL	0	8.53 Gbps	3.12 Gbps	11.65 Gbps
<input checked="" type="checkbox"/>	GOOGLE	15169	5.82 Gbps	3.22 Gbps	9.04 Gbps
<input checked="" type="checkbox"/>	FACEBOOK	32934	2.84 Gbps	243.59 Mbps	3.09 Gbps
<input checked="" type="checkbox"/>	MICROSOFTU	8068	2.05 Gbps	513.06 Mbps	2.57 Gbps
<input checked="" type="checkbox"/>	AKAMAI-ASN1	20940	1.09 Gbps	122.96 Mbps	1.21 Gbps
<input type="checkbox"/>	AMAZON-02	16509	858.85 Mbps	314.02 Mbps	1.17 Gbps
<input type="checkbox"/>	CLARO	28573	189.34 Mbps	804.72 Mbps	994.06 Mbps
<input type="checkbox"/>	NETFLIX	2906	867.89 Mbps	20.90 Mbps	888.79 Mbps
<input type="checkbox"/>	EDGECAST	15133	672.90 Mbps	21.55 Mbps	694.45 Mbps
<input type="checkbox"/>	APPLE	714	227.76 Mbps	375.79 Mbps	603.56 Mbps
<input type="checkbox"/>	MICROSOFT-CORP-MSN-AS-BLOCK	8075	278.07 Mbps	315.81 Mbps	593.89 Mbps
<input type="checkbox"/>	GCEPSA-BR	28604	559.50 Mbps	17.47 Mbps	576.97 Mbps
<input type="checkbox"/>	AKAMAI-ASN1	16625	513.82 Mbps	18.91 Mbps	532.73 Mbps
<input type="checkbox"/>	TELEFONICA-BRASIL-SA-BR	18881	89.53 Mbps	408.00 Mbps	497.53 Mbps
<input type="checkbox"/>	LEVEL3-AS3549	3549	393.55 Mbps	25.73 Mbps	419.28 Mbps

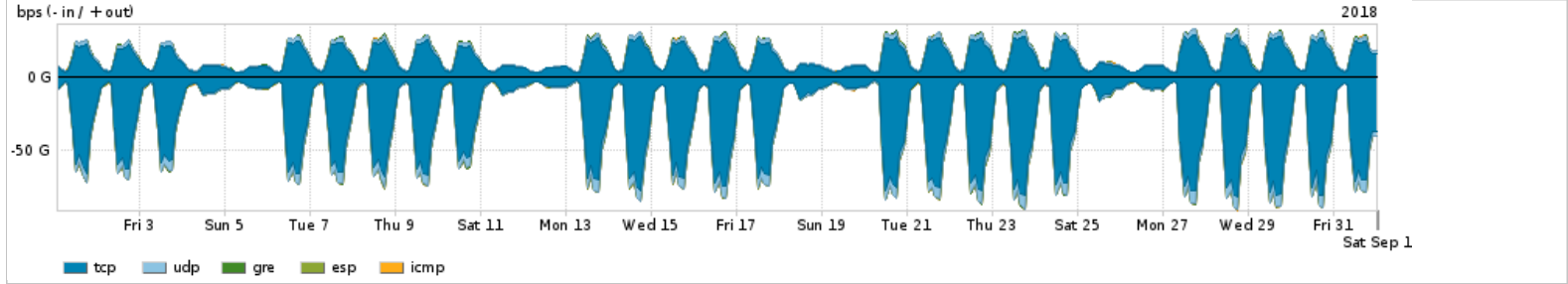
Distribuição do tráfego da rede Ipê por aplicação (análise nas camadas 3 e 4)



Average | Max | PCT95


	APPLICATION	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	ssl	19.48 Gbps	6.32 Gbps	25.80 Gbps
<input checked="" type="checkbox"/>	http	5.85 Gbps	3.03 Gbps	8.88 Gbps
<input checked="" type="checkbox"/>	quit	2.05 Gbps	656.15 Mbps	2.71 Gbps
<input checked="" type="checkbox"/>	other UDP	577.55 Mbps	789.70 Mbps	1.37 Gbps
<input checked="" type="checkbox"/>	other TCP	670.28 Mbps	437.12 Mbps	1.11 Gbps
<input type="checkbox"/>	rsync	103.21 Mbps	40.77 Mbps	143.98 Mbps
<input type="checkbox"/>	ssh	79.60 Mbps	61.68 Mbps	141.28 Mbps
<input type="checkbox"/>	smtp	30.69 Mbps	50.52 Mbps	81.21 Mbps
<input type="checkbox"/>	dns	35.90 Mbps	41.48 Mbps	77.39 Mbps
<input type="checkbox"/>	ldap	4.89 Mbps	52.65 Mbps	57.54 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

	PROTOCOL	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	tcp	29.26 Gbps	12.37 Gbps	41.63 Gbps
<input checked="" type="checkbox"/>	udp	2.91 Gbps	1.63 Gbps	4.55 Gbps
<input checked="" type="checkbox"/>	gre	61.43 Mbps	145.10 Mbps	206.54 Mbps
<input checked="" type="checkbox"/>	esp	153.56 Mbps	29.74 Mbps	183.30 Mbps
<input checked="" type="checkbox"/>	icmp	19.71 Mbps	23.54 Mbps	43.25 Mbps
<input type="checkbox"/>	ipv6	4.34 Mbps	2.35 Mbps	6.69 Mbps
<input type="checkbox"/>	ipv6-icmp	1.60 Mbps	2.25 Mbps	3.85 Mbps
<input type="checkbox"/>	254	33.79 Kbps	0.00 bps	33.79 Kbps
<input type="checkbox"/>	ipencap	13.40 Kbps	6.51 Kbps	19.91 Kbps

	PROTOCOL	IN	OUT	TOTAL
<input type="checkbox"/>	255	302.00 bps	0.00 bps	302.00 bps

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