

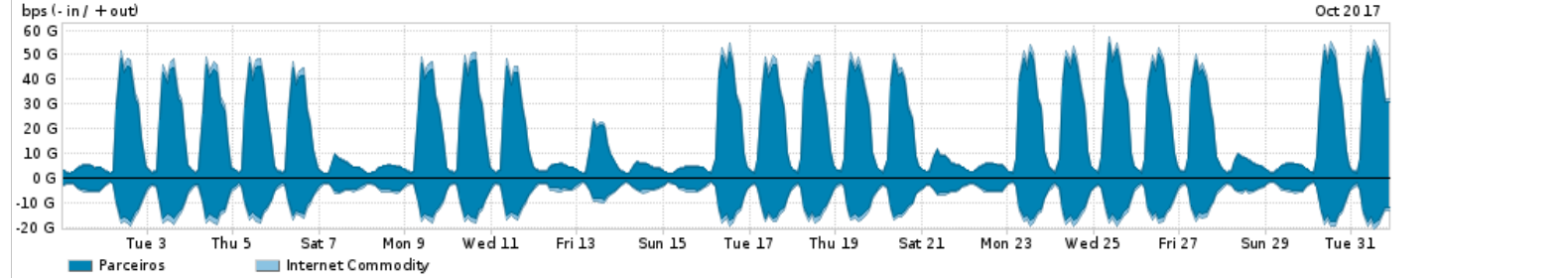
Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).

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)

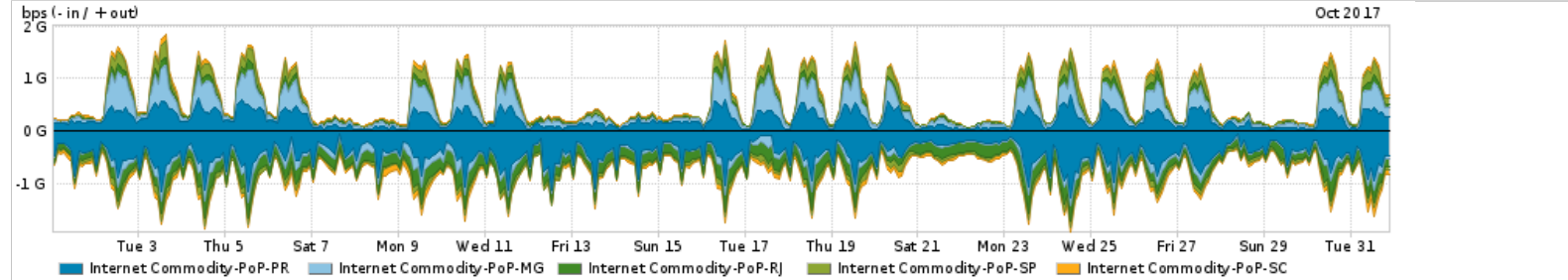
Tráfego agregado dos acessos comerciais da RNP



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Parceiros		7.76 Gbps	18.07 Gbps
<input checked="" type="checkbox"/> Internet Commodity		1.14 Gbps	1.16 Gbps

Utilização do serviço de Internet Commodity pelos PoPs da RNP

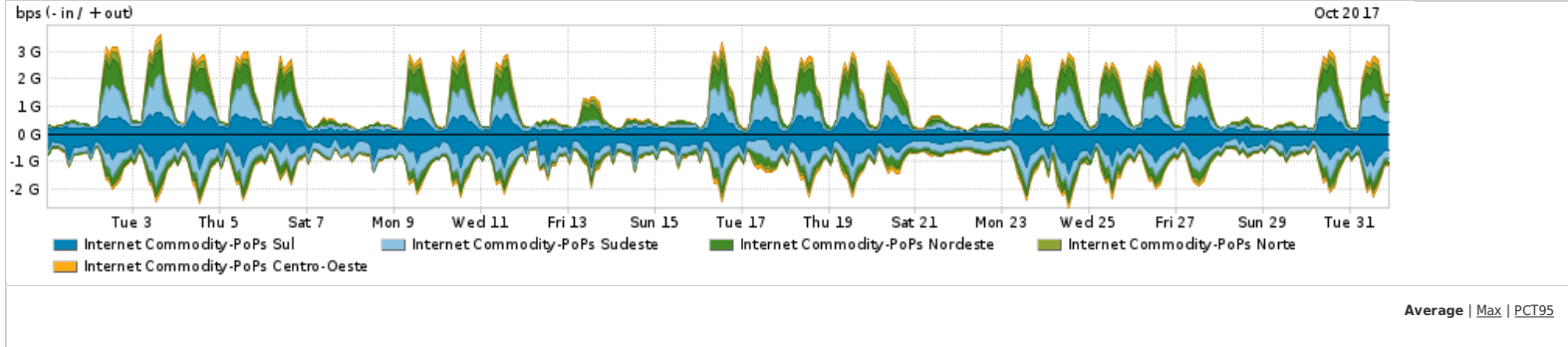


Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Commodity	PoP-PR	444.51 Mbps	213.00 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-MG	74.39 Mbps	189.59 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-RJ	187.58 Mbps	50.78 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-SP	61.83 Mbps	80.55 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-SC	54.26 Mbps	36.61 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-CE	23.74 Mbps	64.00 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PE	22.44 Mbps	52.19 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PB	33.95 Mbps	39.18 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PA	29.13 Mbps	41.49 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RS	20.41 Mbps	48.94 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-MA	21.19 Mbps	32.35 Mbps

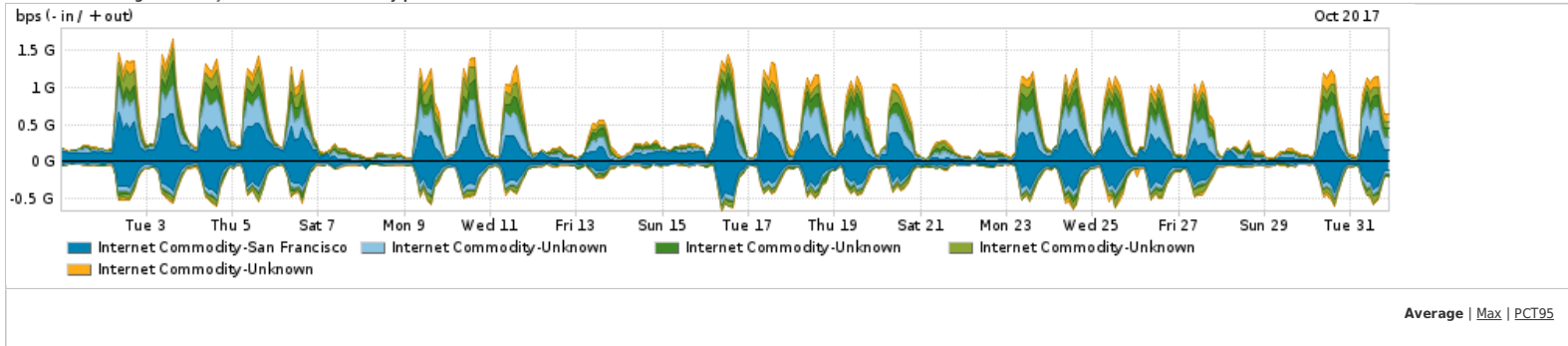
PROFILE	PROFILE	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Commodity	PoP-DF	35.35 Mbps	17.63 Mbps	52.98 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RN	18.25 Mbps	32.02 Mbps	50.28 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-ES	18.73 Mbps	27.89 Mbps	46.62 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-GO	12.92 Mbps	31.06 Mbps	43.98 Mbps

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



PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sul	519.18 Mbps	298.55 Mbps	817.73 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sudeste	342.53 Mbps	348.81 Mbps	691.34 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Nordeste	151.33 Mbps	291.83 Mbps	443.16 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Norte	54.93 Mbps	101.56 Mbps	156.49 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Centro-Oeste	61.59 Mbps	75.94 Mbps	137.53 Mbps

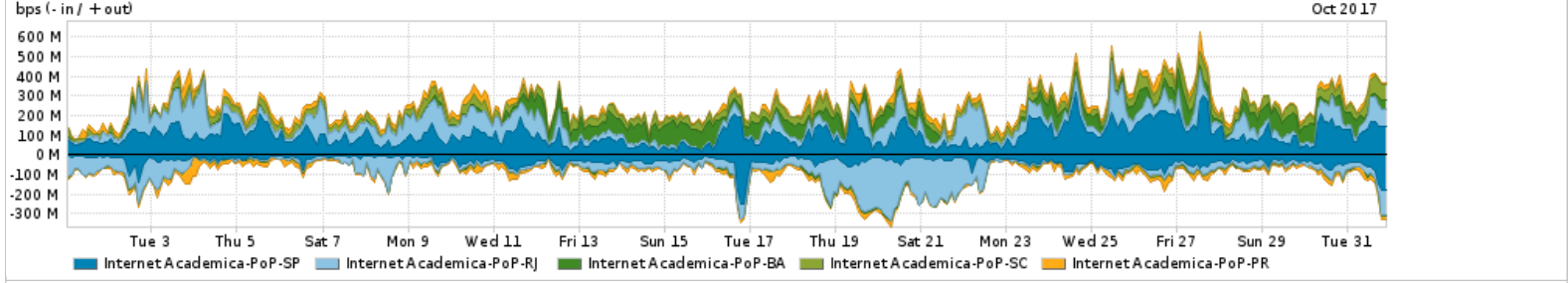
Interesse de tráfego do serviço de Internet Commodity por cidade



PROFILE	CITY	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	San Francisco	116.95 Mbps	167.70 Mbps	284.66 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	30.07 Mbps	119.55 Mbps	149.62 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	16.07 Mbps	74.70 Mbps	90.77 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	22.33 Mbps	57.67 Mbps	80.00 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	13.85 Mbps	56.51 Mbps	70.36 Mbps
<input type="checkbox"/>	Internet Commodity	Hangzhou	60.88 Mbps	1.96 Mbps	62.84 Mbps
<input type="checkbox"/>	Internet Commodity	Koping	52.77 Mbps	3.75 Kbps	52.77 Mbps
<input type="checkbox"/>	Internet Commodity	Cambridge	8.37 Mbps	39.32 Mbps	47.68 Mbps
<input type="checkbox"/>	Internet Commodity	Buenos Aires	35.74 Mbps	1.10 Mbps	36.83 Mbps

PROFILE	CITY	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Commodity	Manassas	3.40 Mbps	27.71 Mbps	31.11 Mbps

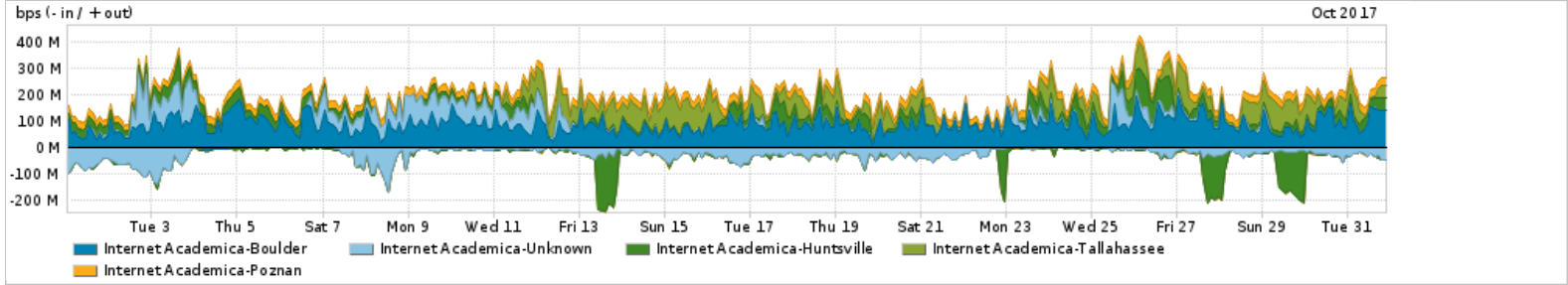
Distribuição do uso do serviço de Internet acadêmica internacional pelos PoPs da RNP



Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Academica	PoP-SP	34.26 Mbps	99.93 Mbps	134.19 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-RJ	51.62 Mbps	61.19 Mbps	112.81 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-BA	1.36 Mbps	37.19 Mbps	38.54 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-SC	2.48 Mbps	35.61 Mbps	38.09 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-PR	15.30 Mbps	21.61 Mbps	36.91 Mbps
<input type="checkbox"/>	Internet Academica	PoP-DF	1.90 Mbps	34.87 Mbps	36.77 Mbps
<input type="checkbox"/>	Internet Academica	PoP-CE	23.67 Mbps	7.10 Mbps	30.77 Mbps
<input type="checkbox"/>	Internet Academica	PoP-RS	3.57 Mbps	21.02 Mbps	24.58 Mbps
<input type="checkbox"/>	Internet Academica	PoP-MG	2.09 Mbps	16.12 Mbps	18.22 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PE	2.64 Mbps	8.01 Mbps	10.65 Mbps
<input type="checkbox"/>	Internet Academica	PoP-RN	700.95 Kbps	8.45 Mbps	9.15 Mbps
<input type="checkbox"/>	Internet Academica	PoP-GO	277.92 Kbps	6.42 Mbps	6.70 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PA	680.21 Kbps	5.99 Mbps	6.67 Mbps
<input type="checkbox"/>	Internet Academica	PoP-AL	147.07 Kbps	5.94 Mbps	6.08 Mbps
<input type="checkbox"/>	Internet Academica	PoP-ES	892.64 Kbps	3.87 Mbps	4.76 Mbps

Interesse de trafego do serviço de Internet acadêmica internacional por cidades

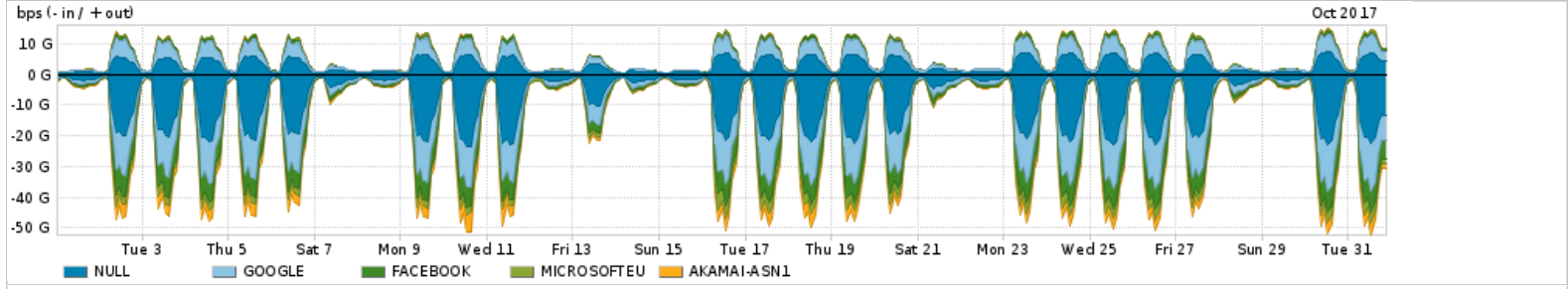


Average | Max | PCT95

PROFILE	CITY	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Academica	Boulder	1.24 Mbps	86.30 Mbps	87.54 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Unknown	25.87 Mbps	22.34 Mbps	48.21 Mbps

PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Academica	Huntsville	12.30 Mbps	38.03 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Tallahassee	307.21 Kbps	34.28 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Poznan	188.71 Kbps	26.23 Mbps
<input type="checkbox"/>	Internet Academica	Montgomery Village	574.43 Kbps	22.37 Mbps
<input type="checkbox"/>	Internet Academica	Sioux Falls	1.84 Mbps	15.74 Mbps
<input type="checkbox"/>	Internet Academica	Asheville	175.73 Kbps	11.03 Mbps
<input type="checkbox"/>	Internet Academica	Cern	6.01 Mbps	10.58 Mbps
<input type="checkbox"/>	Internet Academica	Cambridge	2.73 Mbps	8.87 Mbps

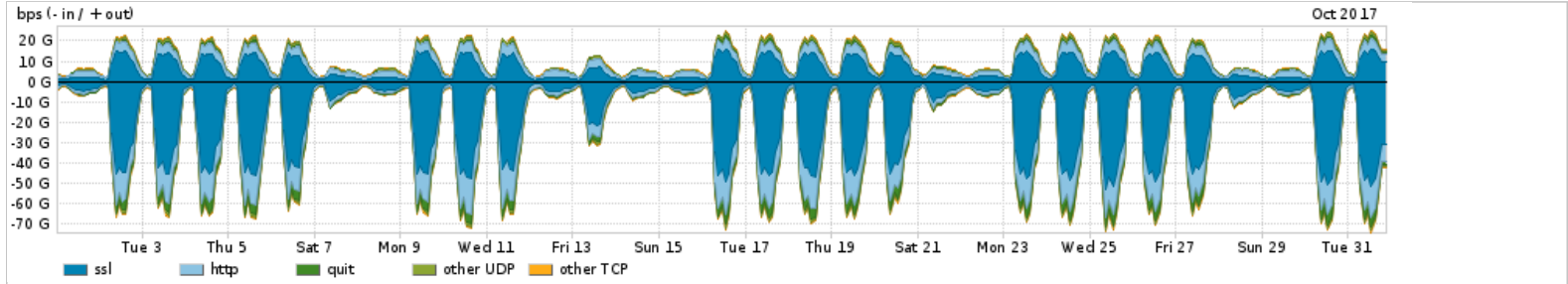
Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



Average | Max | PCT95

AS NAME	ASN	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	NULL	0	7.80 Gbps	10.33 Gbps
<input checked="" type="checkbox"/>	GOOGLE	15169	4.80 Gbps	7.02 Gbps
<input checked="" type="checkbox"/>	FACEBOOK	32934	2.72 Gbps	3.00 Gbps
<input checked="" type="checkbox"/>	MICROSOFTEU	8068	1.20 Gbps	1.46 Gbps
<input checked="" type="checkbox"/>	AKAMAI-ASN1	20940	1.26 Gbps	1.30 Gbps
<input type="checkbox"/>	CLARO	28573	151.94 Mbps	1.00 Gbps
<input type="checkbox"/>	NETFLIX	2906	832.05 Mbps	849.05 Mbps
<input type="checkbox"/>	AMAZON-02	16509	582.30 Mbps	781.61 Mbps
<input type="checkbox"/>	GCEPSA-BR	28604	654.96 Mbps	677.17 Mbps
<input type="checkbox"/>	APPLE	714	160.56 Mbps	486.92 Mbps
<input type="checkbox"/>	MICROSOFT-CORP-MSN-AS-BLOCK	8075	161.38 Mbps	374.77 Mbps
<input type="checkbox"/>	TELEFONICA-BRASIL-SA-BR	27699	84.01 Mbps	343.16 Mbps
<input type="checkbox"/>	DROPBOX	19679	214.23 Mbps	335.12 Mbps
<input type="checkbox"/>	EDGECAST	15133	296.80 Mbps	304.57 Mbps
<input type="checkbox"/>	TNLSA-BR	7738	34.45 Mbps	297.57 Mbps

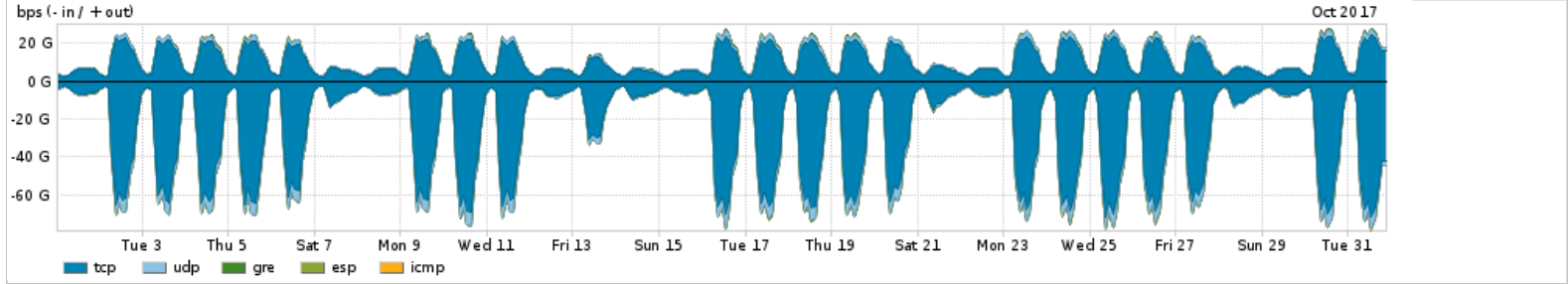
Distribuição do tráfego da rede Ipê por aplicação (análise nas camadas 3 e 4)



Average | Max | PCT95


	APPLICATION	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	ssl		17.42 Gbps	5.88 Gbps	23.30 Gbps
<input checked="" type="checkbox"/>	http		5.50 Gbps	2.97 Gbps	8.47 Gbps
<input checked="" type="checkbox"/>	quit		1.62 Gbps	356.20 Mbps	1.98 Gbps
<input checked="" type="checkbox"/>	other UDP		549.22 Mbps	791.54 Mbps	1.34 Gbps
<input checked="" type="checkbox"/>	other TCP		554.47 Mbps	430.28 Mbps	984.75 Mbps
<input type="checkbox"/>	rsync		99.42 Mbps	53.45 Mbps	152.86 Mbps
<input type="checkbox"/>	dns		36.88 Mbps	53.95 Mbps	90.83 Mbps
<input type="checkbox"/>	ssh		45.92 Mbps	38.41 Mbps	84.34 Mbps
<input type="checkbox"/>	smtp		30.93 Mbps	41.19 Mbps	72.12 Mbps
<input type="checkbox"/>	ntp		7.94 Mbps	60.13 Mbps	68.07 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

	PROTOCOL	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	tcp		24.87 Gbps	10.23 Gbps	35.10 Gbps
<input checked="" type="checkbox"/>	udp		2.37 Gbps	1.32 Gbps	3.70 Gbps
<input checked="" type="checkbox"/>	gre		23.32 Mbps	136.21 Mbps	159.53 Mbps
<input checked="" type="checkbox"/>	esp		80.58 Mbps	16.73 Mbps	97.31 Mbps
<input checked="" type="checkbox"/>	icmp		7.26 Mbps	10.35 Mbps	17.60 Mbps
<input type="checkbox"/>	ipv6-icmp		1.52 Mbps	2.27 Mbps	3.79 Mbps
<input type="checkbox"/>	ipv6		2.07 Mbps	1.23 Mbps	3.30 Mbps
<input type="checkbox"/>	ipencap		16.46 Kbps	12.81 Kbps	29.27 Kbps
<input type="checkbox"/>	ipv6-nonxt		383.00 bps	0.00 bps	383.00 bps

	PROTOCOL	IN	OUT	TOTAL
<input type="checkbox"/>	ospf		243.00 bps	0.00 bps 243.00 bps

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