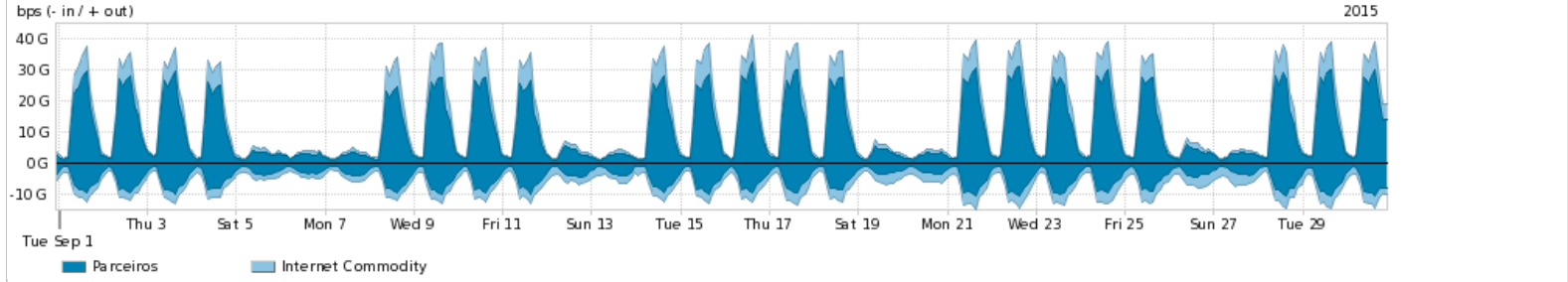


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).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

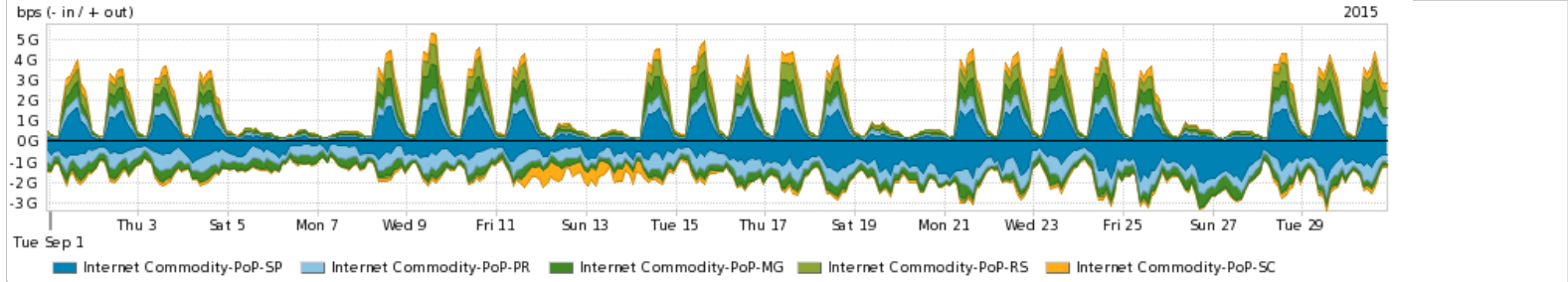
Tráfego agregado dos acessos comerciais da RNP



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Parceiros		4.86 Gbps	10.37 Gbps
<input checked="" type="checkbox"/> Internet Commodity		2.53 Gbps	3.28 Gbps

Utilização do serviço de Internet Commodity pelos PoPs da RNP

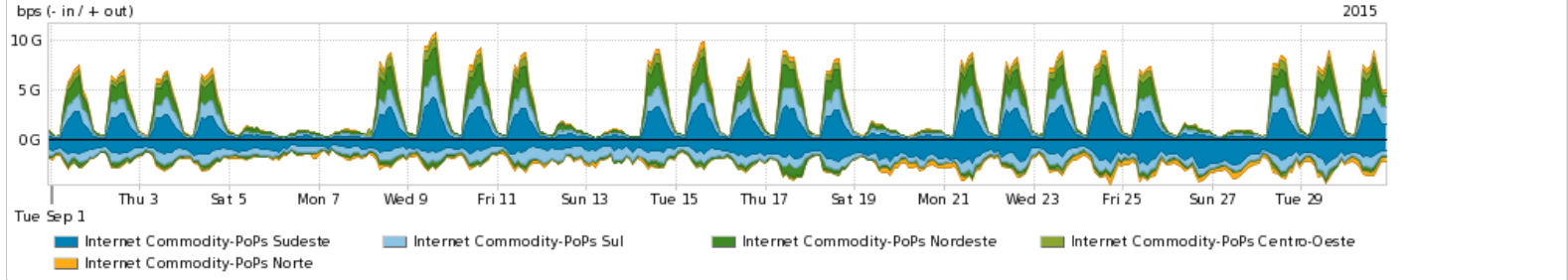


Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Commodity	PoP-SP	780.47 Mbps	576.62 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-PR	515.03 Mbps	235.36 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-MG	315.21 Mbps	309.51 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-RS	50.68 Mbps	322.21 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-SC	135.96 Mbps	179.78 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RJ	79.64 Mbps	216.01 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-DF	53.64 Mbps	175.68 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PA	161.17 Mbps	59.77 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-CE	28.09 Mbps	164.77 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PE	36.70 Mbps	127.80 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-BA	25.12 Mbps	128.85 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RN	22.35 Mbps	121.97 Mbps

PROFILE	PROFILE	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Commodity	PoP-GO	55.08 Mbps	64.15 Mbps	119.22 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-ES	39.17 Mbps	65.63 Mbps	104.80 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PB	27.94 Mbps	65.30 Mbps	93.24 Mbps

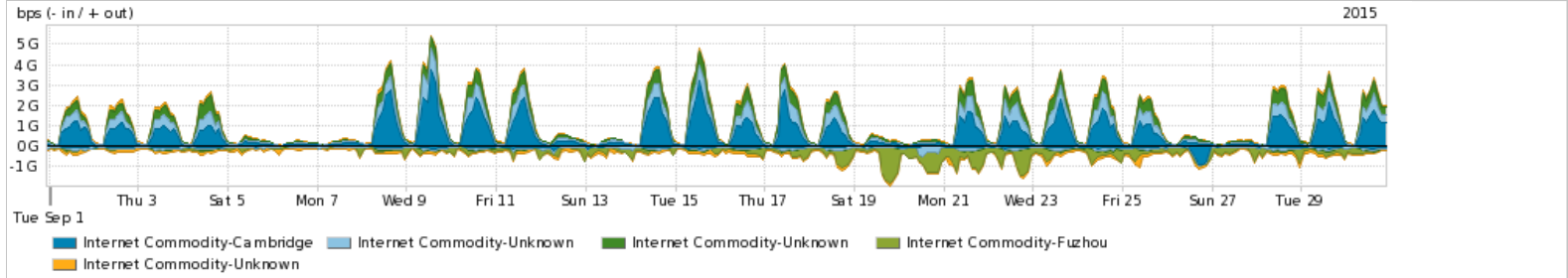
Utilização do serviço de Internet Commodity pelos PoPs da RNP agrupados por região



Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sudeste	1.21 Gbps	1.17 Gbps	2.38 Gbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sul	701.68 Mbps	737.35 Mbps	1.44 Gbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Nordeste	184.88 Mbps	790.86 Mbps	975.74 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Centro-Oeste	124.43 Mbps	297.93 Mbps	422.36 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Norte	189.12 Mbps	187.28 Mbps	376.40 Mbps

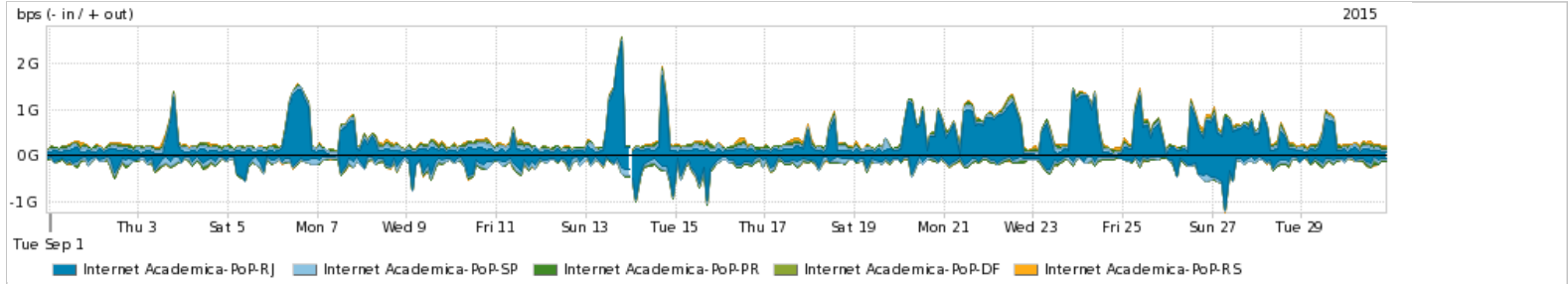
Interesse de tráfego do serviço de Internet Commodity por cidade



Average | Max | PCT95

PROFILE	CITY	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	Cambridge	46.33 Mbps	591.38 Mbps	637.71 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	72.02 Mbps	264.53 Mbps	336.56 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	19.19 Mbps	242.15 Mbps	261.34 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Fuzhou	205.44 Mbps	131.45 Kbps	205.57 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	99.55 Mbps	77.08 Mbps	176.63 Mbps
<input type="checkbox"/>	Internet Commodity	Guangzhou	141.33 Mbps	997.55 Kbps	142.33 Mbps
<input type="checkbox"/>	Internet Commodity	San Francisco	23.77 Mbps	104.29 Mbps	128.06 Mbps
<input type="checkbox"/>	Internet Commodity	Englewood	3.99 Mbps	123.19 Mbps	127.18 Mbps
<input type="checkbox"/>	Internet Commodity	Seattle	14.64 Mbps	108.58 Mbps	123.22 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	4.28 Mbps	113.79 Mbps	118.08 Mbps

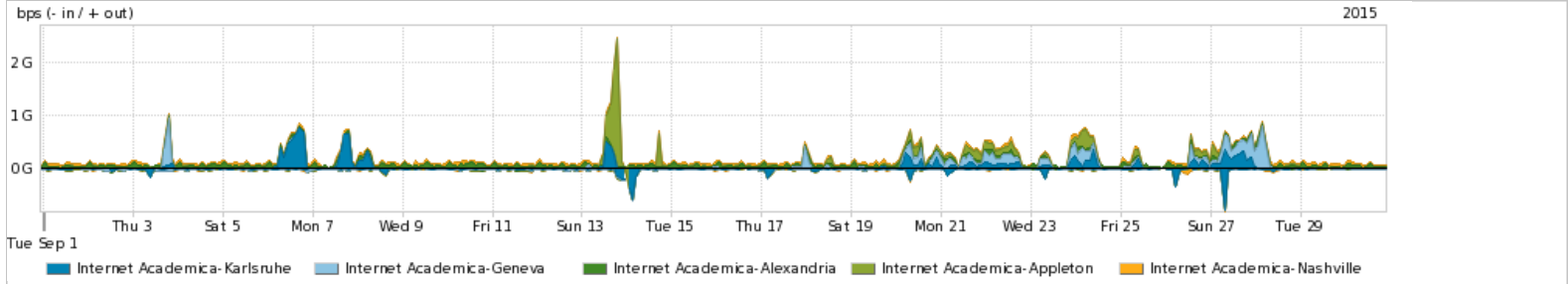
Distribuição do uso do serviço de Internet acadêmica internacional pelos PoPs da RNP



Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-RJ	136.10 Mbps	304.28 Mbps	440.39 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-SP	54.20 Mbps	54.82 Mbps	109.02 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-PR	18.66 Mbps	23.57 Mbps	42.23 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-DF	2.15 Mbps	19.84 Mbps	21.99 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-RS	1.71 Mbps	19.09 Mbps	20.80 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-MG	4.99 Mbps	11.60 Mbps	16.58 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-BA	436.93 Kbps	16.02 Mbps	16.46 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-SC	2.62 Mbps	11.61 Mbps	14.24 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-CE	4.48 Mbps	4.74 Mbps	9.22 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-PE	1.33 Mbps	3.74 Mbps	5.07 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-AM	440.73 Kbps	4.04 Mbps	4.48 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-GO	537.41 Kbps	1.86 Mbps	2.40 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-ES	555.92 Kbps	1.84 Mbps	2.39 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-PA	217.00 Kbps	1.98 Mbps	2.20 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-PB	408.47 Kbps	1.45 Mbps	1.86 Mbps

Interesse de trafego do serviço de Internet acadêmica internacional por cidades

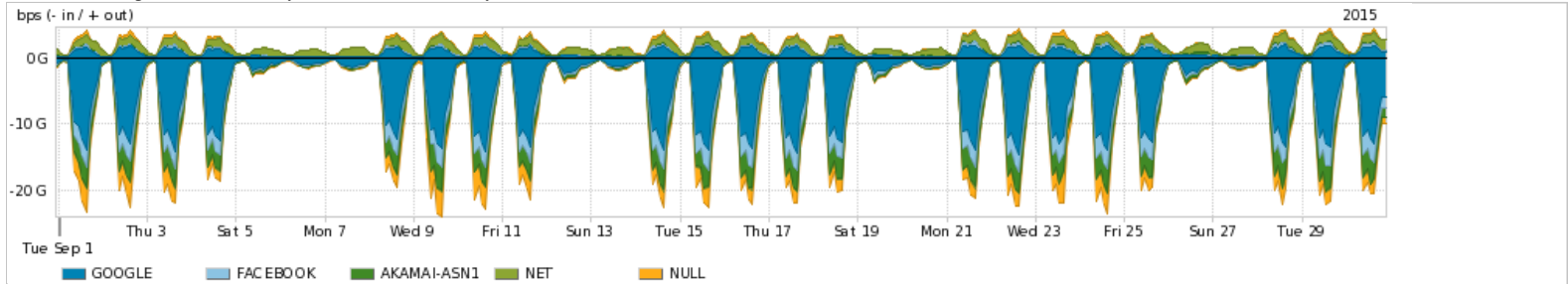


Average | Max | PCT95

PROFILE	CITY	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Acadêmica	Karlsruhe	14.54 Mbps	47.90 Mbps	62.44 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	Geneva	12.86 Mbps	37.93 Mbps	50.79 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	Alexandria	621.12 Kbps	46.96 Mbps	47.58 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	Appleton	4.45 Mbps	36.25 Mbps	40.71 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	Nashville	2.53 Mbps	36.92 Mbps	39.44 Mbps

PROFILE	CITY	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Academica	Bristol	30.51 Mbps	1.73 Mbps	32.24 Mbps
<input type="checkbox"/>	Internet Academica	Unknown	3.88 Mbps	26.42 Mbps	30.30 Mbps
<input type="checkbox"/>	Internet Academica	Cern	22.05 Mbps	7.19 Mbps	29.24 Mbps
<input type="checkbox"/>	Internet Academica	Bologna	2.25 Mbps	24.79 Mbps	27.03 Mbps
<input type="checkbox"/>	Internet Academica	Unknown	4.62 Mbps	13.62 Mbps	18.23 Mbps

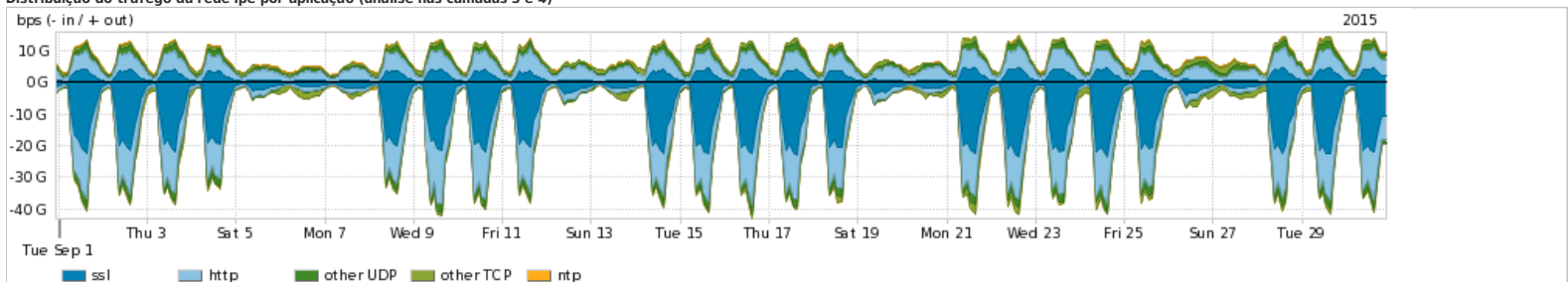
Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



Average | Max | PCT95

AS NAME	ASN	IN	OUT	TOTAL	
<input checked="" type="checkbox"/> GOOGLE		15169	4.56 Gbps	627.57 Mbps	5.19 Gbps
<input checked="" type="checkbox"/> FACEBOOK		32934	1.01 Gbps	124.35 Mbps	1.13 Gbps
<input checked="" type="checkbox"/> AKAMAI-ASN1		20940	1.08 Gbps	53.12 Mbps	1.13 Gbps
<input checked="" type="checkbox"/> NET		28573	102.15 Mbps	887.24 Mbps	989.39 Mbps
<input checked="" type="checkbox"/> NULL		0	823.52 Mbps	138.92 Mbps	962.44 Mbps
<input type="checkbox"/> AMAZON-02		16509	349.17 Mbps	107.29 Mbps	456.47 Mbps
<input type="checkbox"/> Microsoft-MSN-AS		8075	204.38 Mbps	227.59 Mbps	431.97 Mbps
<input type="checkbox"/> Oi		7738	49.20 Mbps	330.47 Mbps	379.67 Mbps
<input type="checkbox"/> GCEP-SA		28604	307.11 Mbps	23.02 Mbps	330.13 Mbps
<input type="checkbox"/> TELESP		27699	52.18 Mbps	255.32 Mbps	307.50 Mbps
<input type="checkbox"/> EDGECAST		15133	252.51 Mbps	6.46 Mbps	258.96 Mbps
<input type="checkbox"/> MICROSOFTEU		8068	254.38 Mbps	4.33 Mbps	258.72 Mbps
<input type="checkbox"/> DCLUX		24611	239.45 Mbps	18.16 Mbps	257.61 Mbps
<input type="checkbox"/> AMAZON-AES		14618	150.19 Mbps	102.65 Mbps	252.83 Mbps
<input type="checkbox"/> DROPBOX		19679	151.00 Mbps	67.77 Mbps	218.77 Mbps

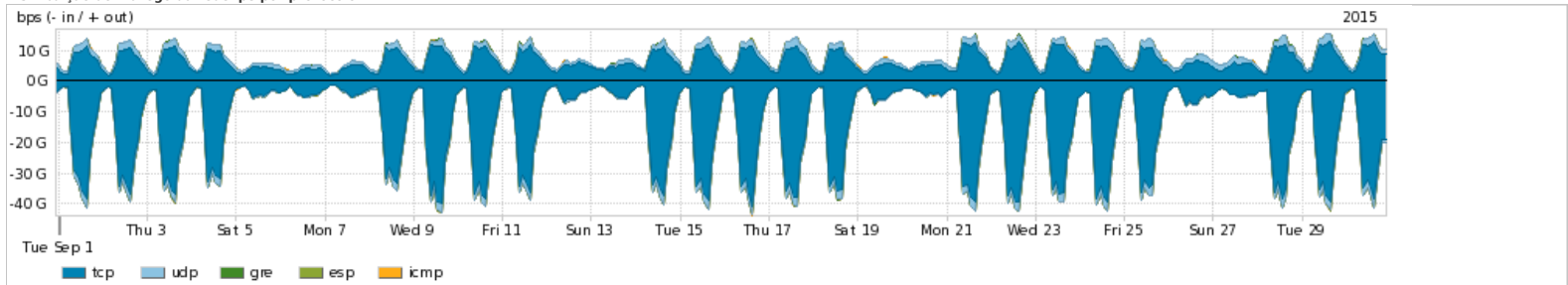
Distribuição do tráfego da rede Ipe por aplicação (análise nas camadas 3 e 4)



Average | Max | PCT95

	APPLICATION	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	ssl		7.73 Gbps	1.49 Gbps 9.22 Gbps
<input checked="" type="checkbox"/>	http		5.07 Gbps	3.56 Gbps 8.63 Gbps
<input checked="" type="checkbox"/>	other UDP		921.81 Mbps	1.08 Gbps 2.00 Gbps
<input checked="" type="checkbox"/>	other TCP		899.69 Mbps	912.23 Mbps 1.81 Gbps
<input checked="" type="checkbox"/>	ntp		9.05 Mbps	228.83 Mbps 237.88 Mbps
<input type="checkbox"/>	macromedia-fcs		87.97 Mbps	75.93 Mbps 163.90 Mbps
<input type="checkbox"/>	dns		26.36 Mbps	118.32 Mbps 144.67 Mbps
<input type="checkbox"/>	rsync		68.62 Mbps	31.65 Mbps 100.27 Mbps
<input type="checkbox"/>	rip		1.05 Mbps	86.48 Mbps 87.53 Mbps
<input type="checkbox"/>	ssh		23.08 Mbps	44.24 Mbps 67.32 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

	PROTOCOL	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	tcp		14.03 Gbps	6.29 Gbps 20.33 Gbps
<input checked="" type="checkbox"/>	udp		973.45 Mbps	1.47 Gbps 2.44 Gbps
<input checked="" type="checkbox"/>	gre		11.01 Mbps	37.53 Mbps 48.54 Mbps
<input checked="" type="checkbox"/>	esp		13.35 Mbps	9.21 Mbps 22.56 Mbps
<input checked="" type="checkbox"/>	icmp		5.42 Mbps	6.46 Mbps 11.88 Mbps
<input type="checkbox"/>	ipv6		2.86 Mbps	2.41 Mbps 5.27 Mbps
<input type="checkbox"/>	ah		642.13 Kbps	768.82 Kbps 1.41 Mbps
<input type="checkbox"/>	ipv6-icmp		169.26 Kbps	107.16 Kbps 276.42 Kbps
<input type="checkbox"/>	ipv6-frag		5.68 Kbps	6.95 Kbps 12.62 Kbps
<input type="checkbox"/>	rsvp		85.00 bps	49.00 bps 134.00 bps

For assistance with this product, please contact [support@arbornetworks.com](mailto:support@arbornetworks.com).