

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

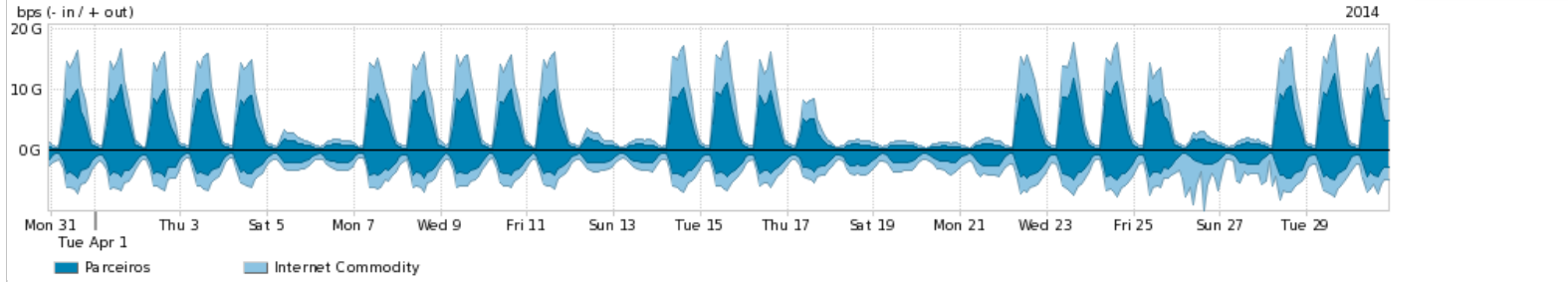
Internet Acadêmica - Acesso às redes acadêmicas internacionais, serviço atualmente provido pela RedClara

Internet commodity - Acesso pago à Internet global que é oferecido gratuitamente 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)

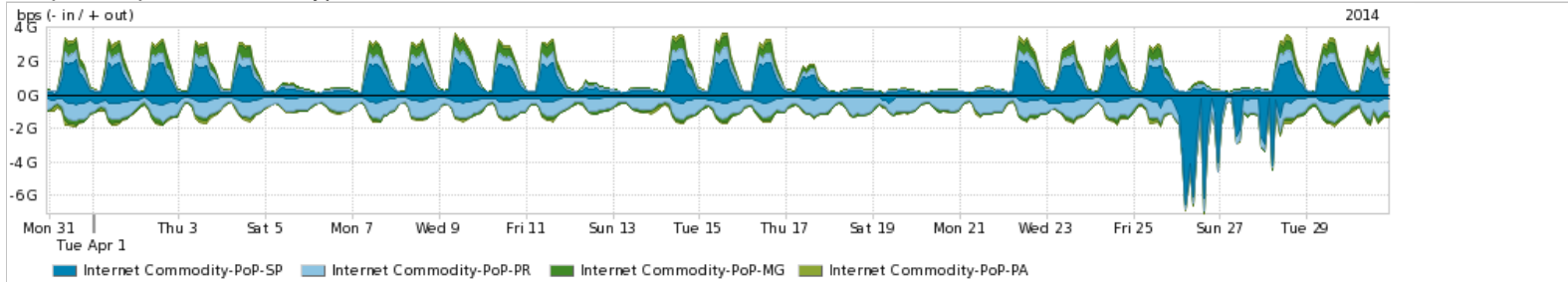
**Tráfego agregado dos acessos comerciais da RNP**



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Parceiros		2.18 Gbps	3.42 Gbps
<input checked="" type="checkbox"/> Internet Commodity		1.74 Gbps	2.35 Gbps
			5.60 Gbps
			4.08 Gbps

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

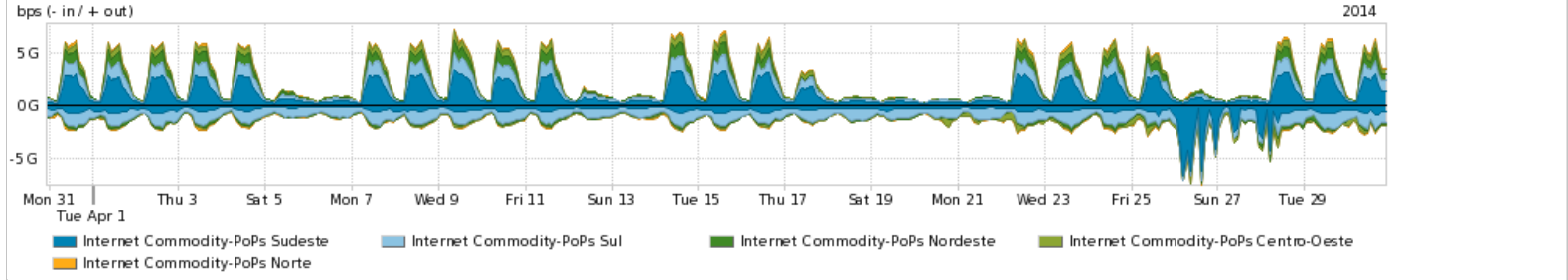


Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Commodity	PoP-SP	396.30 Mbps	699.21 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-PR	662.42 Mbps	243.88 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-MG	122.64 Mbps	221.22 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-DF	111.64 Mbps	209.23 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-SC	132.83 Mbps	146.52 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RS	41.67 Mbps	178.76 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RJ	24.14 Mbps	125.81 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-CE	35.67 Mbps	106.83 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-PA	45.09 Mbps	66.32 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-BA	16.05 Mbps	84.05 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RN	9.63 Mbps	77.64 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PE	41.32 Mbps	43.83 Mbps

PROFILE	PROFILE	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Commodity	PoP-ES	40.84 Mbps	31.48 Mbps	72.32 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-MA	11.32 Mbps	46.37 Mbps	57.69 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-MS	17.03 Mbps	33.48 Mbps	50.51 Mbps

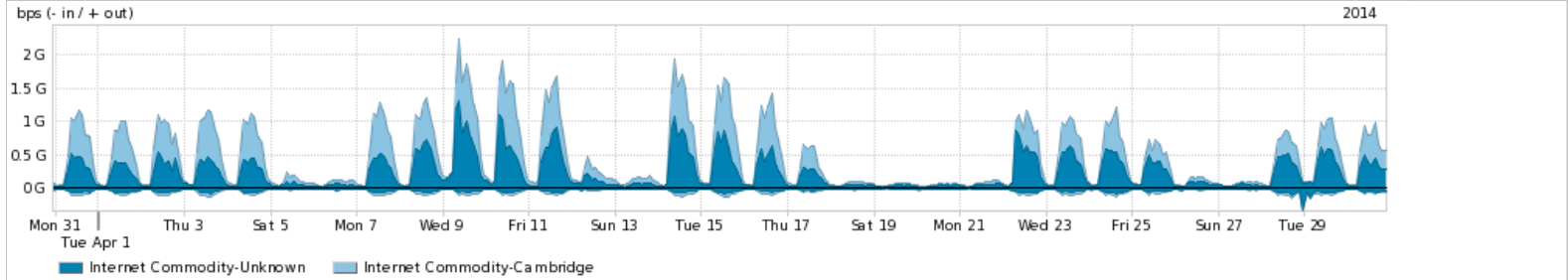
Utilização do serviço de Internet Commodity pelos PoPs da RNP agrupados por região



Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sudeste	583.92 Mbps	1.08 Gbps	1.66 Gbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sul	836.91 Mbps	569.16 Mbps	1.41 Gbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Nordeste	119.48 Mbps	375.41 Mbps	494.89 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Centro-Oeste	130.80 Mbps	251.32 Mbps	382.12 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Norte	45.21 Mbps	66.54 Mbps	111.75 Mbps

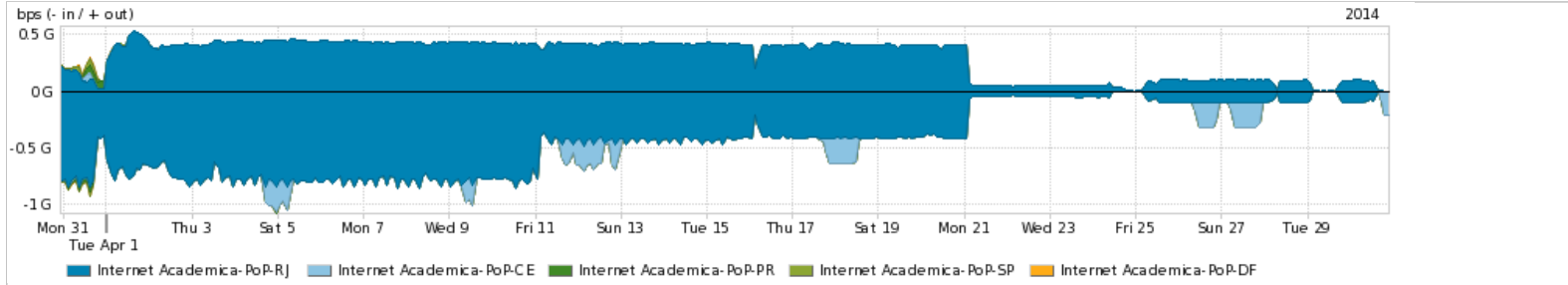
Interesse de tráfego do serviço de Internet Commodity por cidade



Average | Max | PCT95

PROFILE	CITY	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	32.04 Mbps	230.59 Mbps	262.62 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Cambridge	17.16 Mbps	224.19 Mbps	241.35 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	8.09 Mbps	140.32 Mbps	148.42 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	8.69 Mbps	129.86 Mbps	138.55 Mbps
<input type="checkbox"/>	Internet Commodity	Beijing	113.83 Mbps	3.03 Mbps	116.86 Mbps
<input type="checkbox"/>	Internet Commodity	Washington	9.91 Mbps	58.18 Mbps	68.09 Mbps
<input type="checkbox"/>	Internet Commodity	Mountain View	40.44 Mbps	24.85 Mbps	65.30 Mbps
<input type="checkbox"/>	Internet Commodity	Santiago	55.81 Mbps	1.57 Mbps	57.37 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	31.93 Mbps	20.16 Mbps	52.09 Mbps
<input type="checkbox"/>	Internet Commodity	Buenos Aires	48.80 Mbps	2.74 Mbps	51.54 Mbps

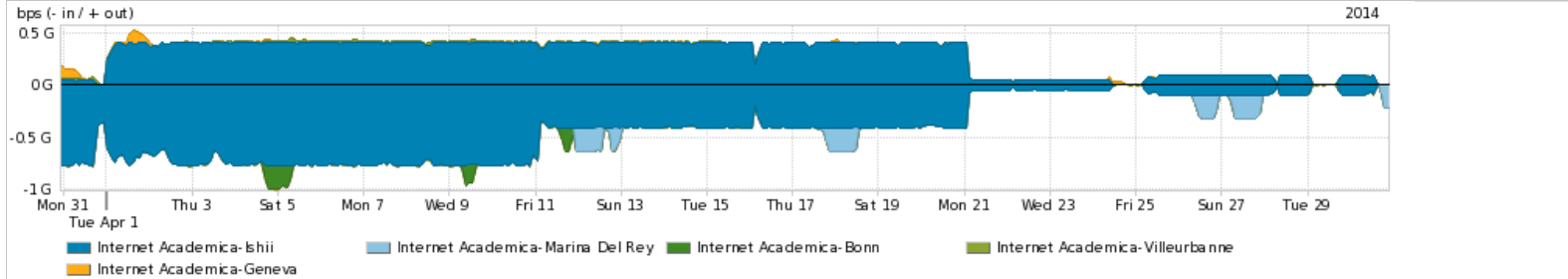
Distribuição do uso do serviço de Internet acadêmica internacional pelos PoPs da RNP



Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-RJ	430.69 Mbps	298.43 Mbps	729.12 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-CE	28.43 Mbps	385.72 Kbps	28.81 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-PR	623.09 Kbps	1.09 Mbps	1.72 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-SP	457.24 Kbps	913.94 Kbps	1.37 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-MG	111.30 Kbps	880.18 Kbps	991.48 Kbps
<input type="checkbox"/>	Internet Acadêmica	PoP-RS	84.01 Kbps	484.08 Kbps	568.09 Kbps
<input type="checkbox"/>	Internet Acadêmica	PoP-SC	106.74 Kbps	223.25 Kbps	329.99 Kbps
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-DF	58.62 Kbps	157.79 Kbps	216.41 Kbps
<input type="checkbox"/>	Internet Acadêmica	PoP-PE	36.71 Kbps	119.20 Kbps	155.91 Kbps
<input type="checkbox"/>	Internet Acadêmica	PoP-PA	37.21 Kbps	97.50 Kbps	134.70 Kbps
<input type="checkbox"/>	Internet Acadêmica	PoP-RN	6.07 Kbps	96.86 Kbps	102.93 Kbps
<input type="checkbox"/>	Internet Acadêmica	PoP-BA	12.13 Kbps	71.99 Kbps	84.11 Kbps
<input type="checkbox"/>	Internet Acadêmica	PoP-PB	25.89 Kbps	44.53 Kbps	70.42 Kbps
<input type="checkbox"/>	Internet Acadêmica	PoP-ES	10.05 Kbps	47.73 Kbps	57.77 Kbps
<input type="checkbox"/>	Internet Acadêmica	PoP-MT	4.47 Kbps	40.17 Kbps	44.64 Kbps

Interesse de trafego do serviço de Internet acadêmica internacional por cidades

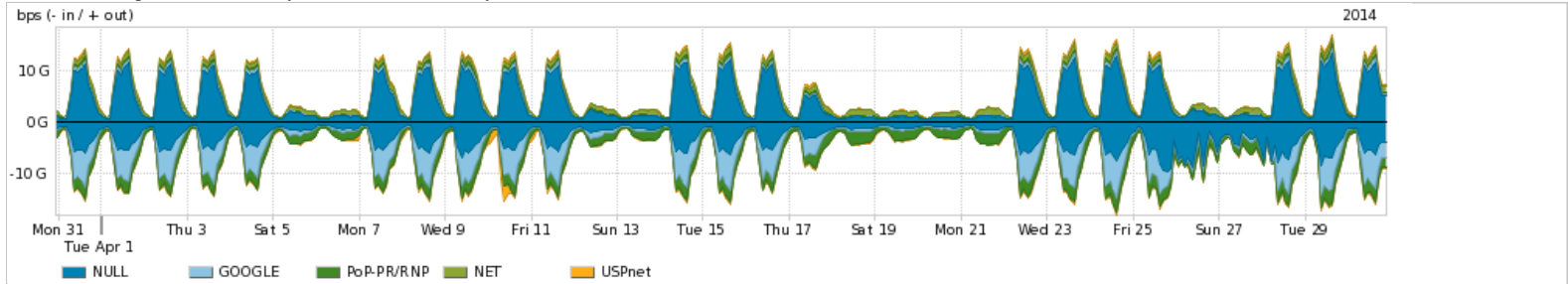


Average | Max | PCT95

PROFILE	CITY	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Acadêmica	Ishii	416.74 Mbps	282.37 Mbps	699.10 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	Marina Del Rey	21.06 Mbps	440.00 bps	21.06 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	Bonn	7.35 Mbps	2.24 Kbps	7.36 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	Villeurbanne	1.64 Mbps	5.31 Mbps	6.95 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	Geneva	32.14 Kbps	5.16 Mbps	5.20 Mbps

PROFILE	CITY	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Academica	Unknown	1.18 Mbps	86.33 Kbps	1.27 Mbps
<input type="checkbox"/>	Internet Academica	Lisboa	446.43 Kbps	733.84 Kbps	1.18 Mbps
<input type="checkbox"/>	Internet Academica	Unknown	471.71 Kbps	690.57 Kbps	1.16 Mbps
<input type="checkbox"/>	Internet Academica	Dubna	446.72 Kbps	693.29 Kbps	1.14 Mbps
<input type="checkbox"/>	Internet Academica	Unknown	449.39 Kbps	613.47 Kbps	1.06 Mbps

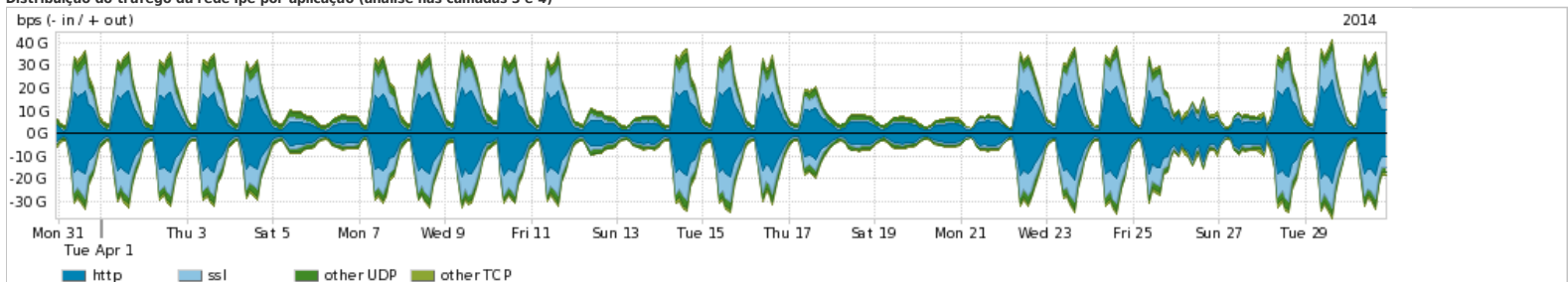
Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



Average | Max | PCT95

AS NAME	ASN	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	NULL	0	3.08 Gbps	3.92 Gbps	7.00 Gbps
<input checked="" type="checkbox"/>	GOOGLE	15169	2.08 Gbps	226.96 Mbps	2.31 Gbps
<input checked="" type="checkbox"/>	PoP-PR/RNP	10881	1.55 Gbps	270.82 Mbps	1.82 Gbps
<input type="checkbox"/>	GEMNET	23796	282.31 Mbps	684.04 Mbps	966.36 Mbps
<input checked="" type="checkbox"/>	NET	28573	68.25 Mbps	820.33 Mbps	888.58 Mbps
<input type="checkbox"/>	RedeRio	2715	136.66 Mbps	374.90 Mbps	511.55 Mbps
<input type="checkbox"/>	263300	263300	245.99 Mbps	239.68 Mbps	485.67 Mbps
<input type="checkbox"/>	RedeTche	2716	94.21 Mbps	361.20 Mbps	455.42 Mbps
<input type="checkbox"/>	Oi	7738	38.58 Mbps	396.68 Mbps	435.26 Mbps
<input checked="" type="checkbox"/>	USPnet	28571	238.37 Mbps	183.11 Mbps	421.48 Mbps
<input type="checkbox"/>	PoP-BA/RNP	53164	82.31 Mbps	329.76 Mbps	412.07 Mbps
<input type="checkbox"/>	FACEBOOK	32934	334.31 Mbps	62.28 Mbps	396.58 Mbps
<input type="checkbox"/>	AMAZON-AES	14618	211.74 Mbps	149.98 Mbps	361.72 Mbps
<input type="checkbox"/>	RCT-SC	10715	70.03 Mbps	279.74 Mbps	349.77 Mbps
<input type="checkbox"/>	262511	262511	142.86 Mbps	189.59 Mbps	332.45 Mbps

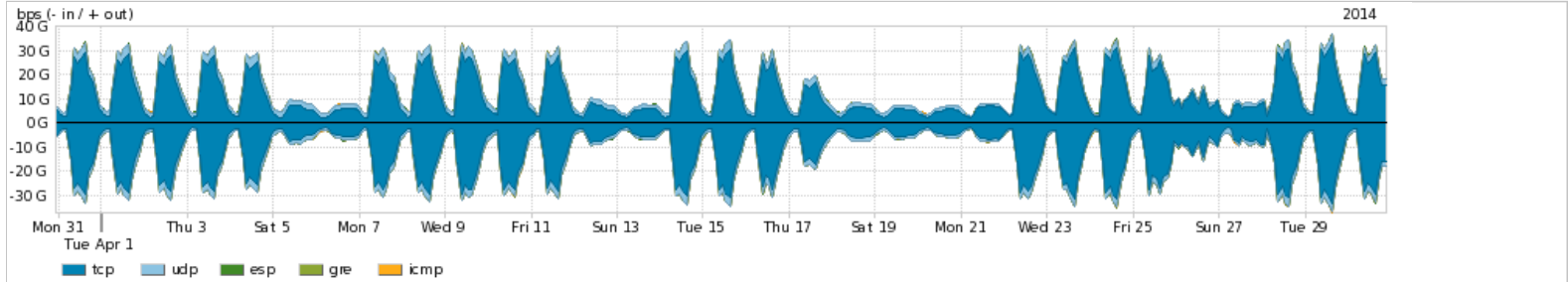
Distribuição do tráfego da rede Ipê por aplicação (análise nas camadas 3 e 4)



Average | Max | PCT95

	APPLICATION	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	http		7.75 Gbps	7.99 Gbps	15.73 Gbps
<input checked="" type="checkbox"/>	ssl		3.46 Gbps	3.81 Gbps	7.27 Gbps
<input checked="" type="checkbox"/>	other UDP		1.69 Gbps	2.18 Gbps	3.87 Gbps
<input checked="" type="checkbox"/>	other TCP		863.49 Mbps	951.14 Mbps	1.81 Gbps
<input type="checkbox"/>	dns		232.28 Mbps	197.75 Mbps	430.03 Mbps
<input type="checkbox"/>	macromedia-fcs		98.15 Mbps	102.37 Mbps	200.51 Mbps
<input type="checkbox"/>	rsync		91.87 Mbps	95.91 Mbps	187.79 Mbps
<input type="checkbox"/>	ntp		69.83 Mbps	85.16 Mbps	154.99 Mbps
<input type="checkbox"/>	smtp		65.86 Mbps	72.16 Mbps	138.02 Mbps
<input type="checkbox"/>	ssh		53.17 Mbps	59.28 Mbps	112.45 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

	PROTOCOL	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	tcp		12.06 Gbps	11.89 Gbps	23.95 Gbps
<input checked="" type="checkbox"/>	udp		1.80 Gbps	2.21 Gbps	4.01 Gbps
<input type="checkbox"/>	253		77.81 Mbps	113.95 Mbps	191.76 Mbps
<input checked="" type="checkbox"/>	esp		22.35 Mbps	22.45 Mbps	44.80 Mbps
<input checked="" type="checkbox"/>	gre		19.52 Mbps	19.46 Mbps	38.98 Mbps
<input checked="" type="checkbox"/>	icmp		9.64 Mbps	9.86 Mbps	19.49 Mbps
<input type="checkbox"/>	ipv6		4.31 Mbps	4.43 Mbps	8.75 Mbps
<input type="checkbox"/>	ah		459.03 Kbps	459.12 Kbps	918.15 Kbps
<input type="checkbox"/>	ipv6-icmp		183.83 Kbps	191.42 Kbps	375.25 Kbps
<input type="checkbox"/>	255		93.38 Kbps	93.96 Kbps	187.34 Kbps

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