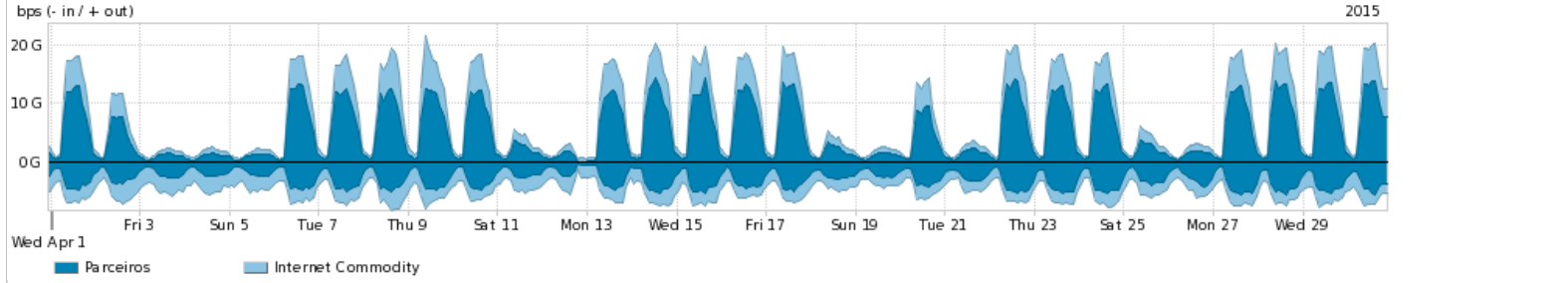


Os gráficos apresentados neste relatório de tráfego estão em formato stack, o que significa que seu valor é uma composição da soma dos componentes listados nas legendas localizadas logo abaixo dos gráficos. Os gráficos estão em "bps x tempo" e possuem dois eixos verticais, Out (positivo) e In (negativo).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

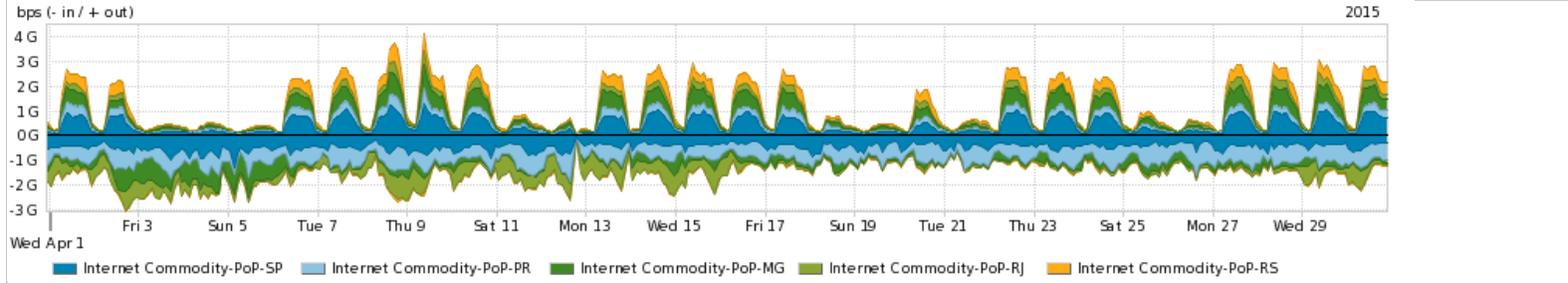
Tráfego agregado dos acessos comerciais da RNP



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/> Parceiros		2.83 Gbps	4.98 Gbps	7.81 Gbps
<input checked="" type="checkbox"/> Internet Commodity		2.19 Gbps	2.50 Gbps	4.69 Gbps

Utilização do serviço de Internet Commodity pelos PoPs da RNP

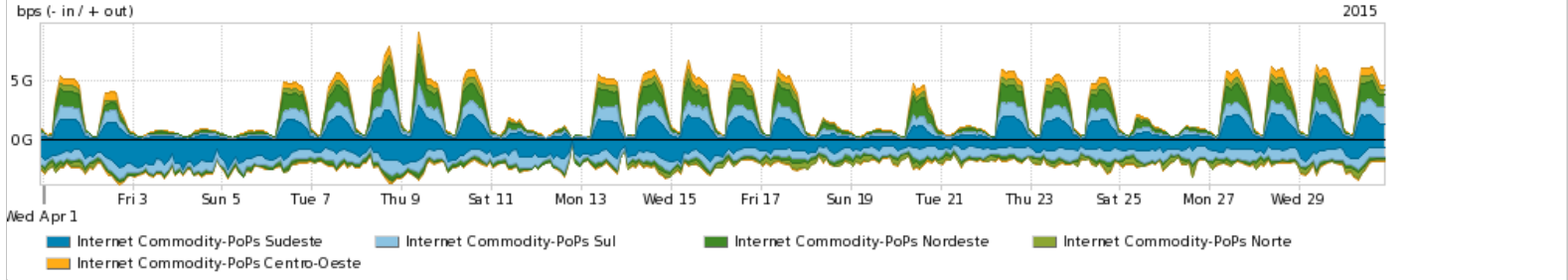


Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	PoP-SP	462.87 Mbps	387.21 Mbps	850.08 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-PR	559.78 Mbps	157.19 Mbps	716.97 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-MG	239.96 Mbps	292.62 Mbps	532.58 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-RJ	295.27 Mbps	125.72 Mbps	420.99 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-RS	33.32 Mbps	231.26 Mbps	264.58 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-SC	81.98 Mbps	127.36 Mbps	209.33 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-DF	42.89 Mbps	142.67 Mbps	185.57 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-CE	26.16 Mbps	141.43 Mbps	167.60 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PA	111.60 Mbps	49.87 Mbps	161.47 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PB	62.05 Mbps	83.02 Mbps	145.08 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PE	34.33 Mbps	84.34 Mbps	118.68 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PI	51.38 Mbps	54.15 Mbps	105.53 Mbps

	PROFILE	PROFILE	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Commodity	PoP-RN	5.06 Mbps	89.13 Mbps	94.19 Mbps	
<input type="checkbox"/>	Internet Commodity	PoP-BA	19.62 Mbps	70.31 Mbps	89.93 Mbps	
<input type="checkbox"/>	Internet Commodity	PoP-GO	28.39 Mbps	60.19 Mbps	88.59 Mbps	

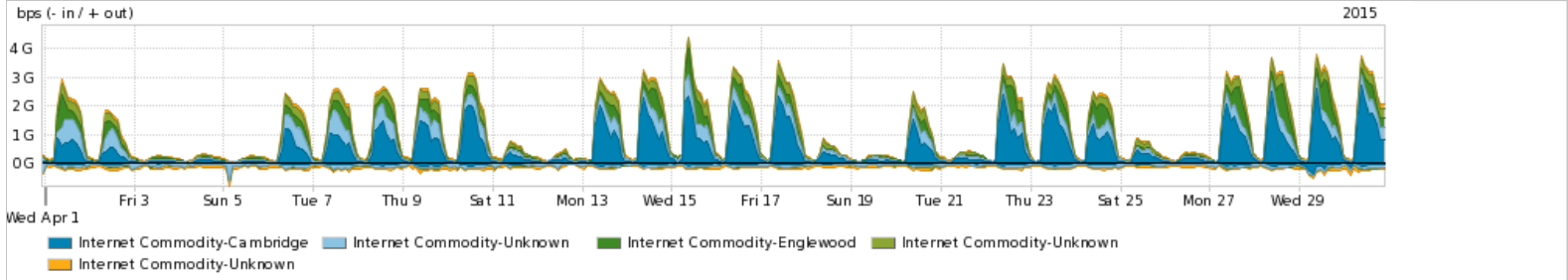
Utilização do serviço de Internet Commodity pelos PoPs da RNP agrupados por região



Average | Max | PCT95

	PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sudeste	1.03 Gbps	849.48 Mbps	1.88 Gbps	
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sul	678.07 Mbps	537.36 Mbps	1.22 Gbps	
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Nordeste	218.63 Mbps	636.91 Mbps	855.54 Mbps	
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Norte	159.35 Mbps	215.22 Mbps	374.56 Mbps	
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Centro-Oeste	87.53 Mbps	260.93 Mbps	348.45 Mbps	

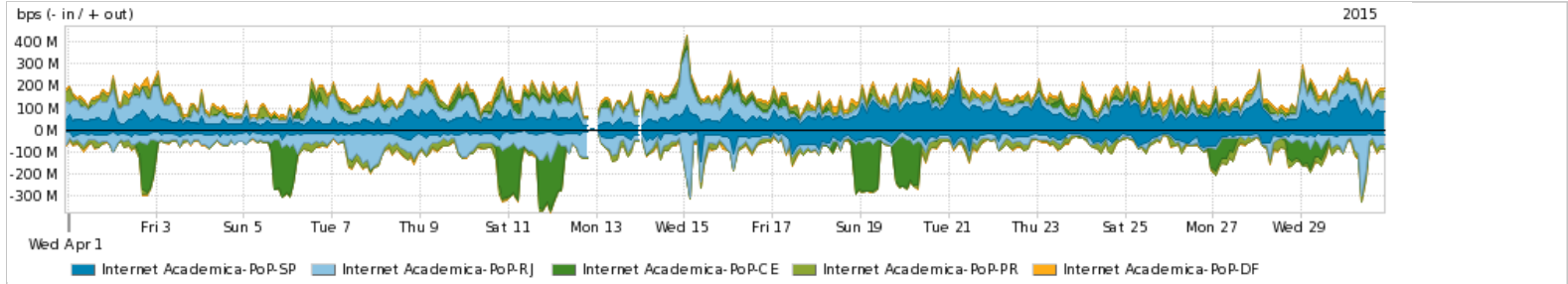
Interesse de tráfego do serviço de Internet Commodity por cidade



Average | Max | PCT95

	PROFILE	CITY	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	Cambridge	30.65 Mbps	531.04 Mbps	561.69 Mbps	
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	67.59 Mbps	212.10 Mbps	279.69 Mbps	
<input checked="" type="checkbox"/>	Internet Commodity	Englewood	1.71 Mbps	176.94 Mbps	178.65 Mbps	
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	12.44 Mbps	163.53 Mbps	175.97 Mbps	
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	66.99 Mbps	54.85 Mbps	121.83 Mbps	
<input type="checkbox"/>	Internet Commodity	Unknown	10.19 Mbps	88.10 Mbps	98.29 Mbps	
<input type="checkbox"/>	Internet Commodity	Guangzhou	95.39 Mbps	610.40 Kbps	96.00 Mbps	
<input type="checkbox"/>	Internet Commodity	Buenos Aires	69.03 Mbps	23.32 Mbps	92.35 Mbps	
<input type="checkbox"/>	Internet Commodity	San Francisco	26.23 Mbps	54.44 Mbps	80.67 Mbps	
<input type="checkbox"/>	Internet Commodity	Beijing	75.59 Mbps	2.56 Mbps	78.16 Mbps	

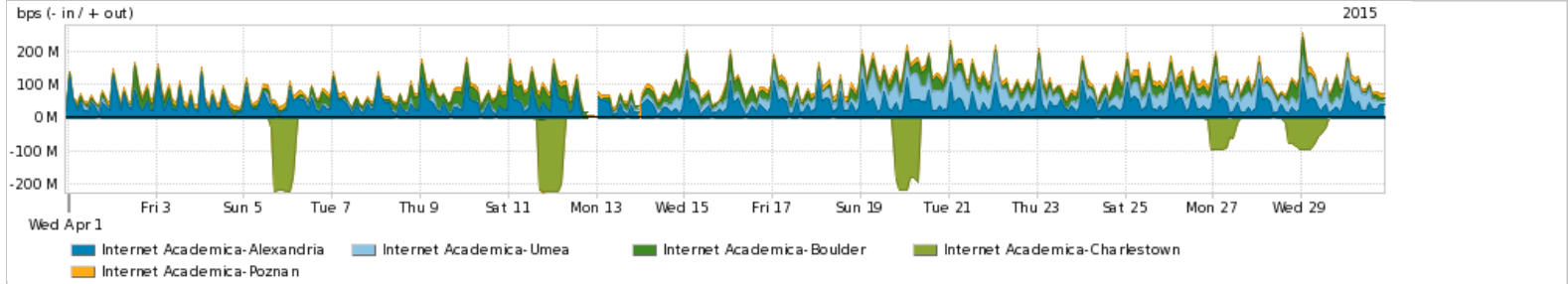
Distribuição do uso do serviço de Internet acadêmica internacional pelos PoPs da RNP



Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Academica	PoP-SP	27.71 Mbps	63.01 Mbps	90.72 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-RJ	38.17 Mbps	46.65 Mbps	84.82 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-CE	27.05 Mbps	8.33 Mbps	35.38 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-PR	14.62 Mbps	19.81 Mbps	34.44 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-DF	2.12 Mbps	14.10 Mbps	16.22 Mbps
<input type="checkbox"/>	Internet Academica	PoP-RS	1.08 Mbps	11.27 Mbps	12.36 Mbps
<input type="checkbox"/>	Internet Academica	PoP-MG	2.41 Mbps	8.87 Mbps	11.28 Mbps
<input type="checkbox"/>	Internet Academica	PoP-SC	2.36 Mbps	6.82 Mbps	9.18 Mbps
<input type="checkbox"/>	Internet Academica	PoP-SE	71.48 Kbps	2.85 Mbps	2.92 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PE	720.19 Kbps	1.59 Mbps	2.31 Mbps
<input type="checkbox"/>	Internet Academica	PoP-BA	791.20 Kbps	934.37 Kbps	1.73 Mbps
<input type="checkbox"/>	Internet Academica	PoP-RN	44.18 Kbps	1.65 Mbps	1.70 Mbps
<input type="checkbox"/>	Internet Academica	PoP-ES	437.54 Kbps	1.15 Mbps	1.59 Mbps
<input type="checkbox"/>	Internet Academica	PoP-GO	359.89 Kbps	1.18 Mbps	1.54 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PB	381.74 Kbps	870.64 Kbps	1.25 Mbps

Interesse de trafego do serviço de Internet acadêmica internacional por cidades

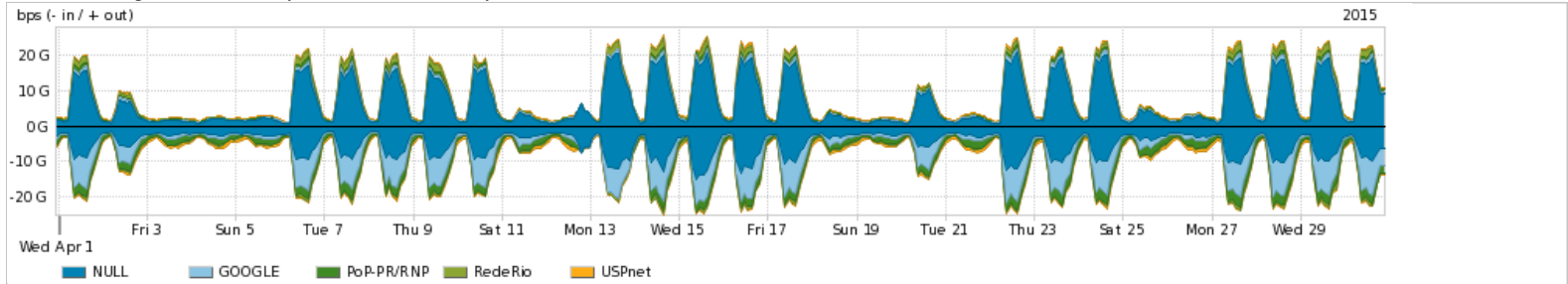


Average | Max | PCT95

PROFILE	CITY	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Academica	Alexandria	575.65 Kbps	39.79 Mbps	40.36 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Umea	85.69 Kbps	22.93 Mbps	23.01 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Boulder	666.69 Kbps	20.30 Mbps	20.97 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Charlestown	15.90 Mbps	5.47 Kbps	15.91 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Poznan	172.69 Kbps	11.88 Mbps	12.06 Mbps

PROFILE	CITY	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Academica	West Lafayette	1.63 Mbps	9.84 Mbps	11.47 Mbps
<input type="checkbox"/>	Internet Academica	Berlin	10.80 Mbps	195.89 Kbps	11.00 Mbps
<input type="checkbox"/>	Internet Academica	Appleton	4.26 Mbps	4.94 Mbps	9.20 Mbps
<input type="checkbox"/>	Internet Academica	Geneva	6.61 Mbps	1.66 Mbps	8.27 Mbps
<input type="checkbox"/>	Internet Academica	Unknown	2.35 Mbps	5.55 Mbps	7.89 Mbps

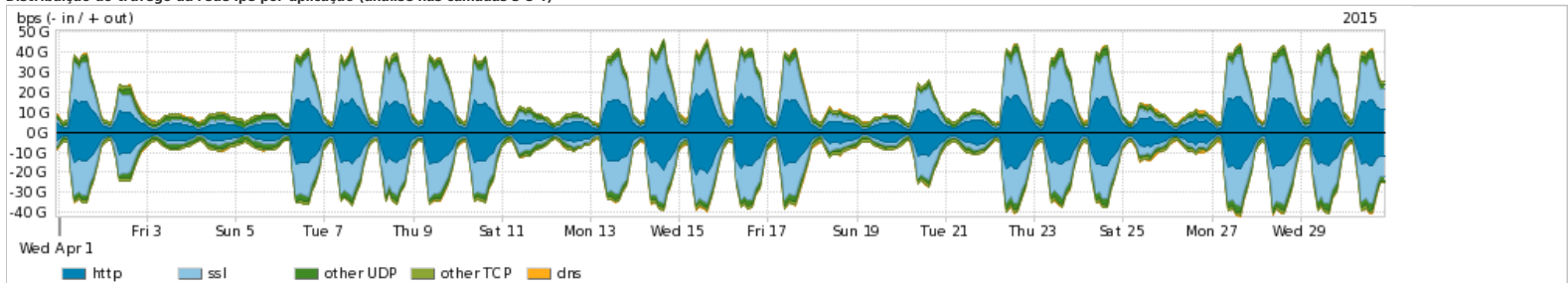
Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



Average | Max | PCT95

AS NAME	ASN	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	NULL	0	4.93 Gbps	6.59 Gbps	11.52 Gbps
<input checked="" type="checkbox"/>	GOOGLE	15169	3.14 Gbps	456.17 Mbps	3.60 Gbps
<input checked="" type="checkbox"/>	PoP-PR/RNP	10881	1.57 Gbps	365.02 Mbps	1.93 Gbps
<input checked="" type="checkbox"/>	RedeRio	2715	363.28 Mbps	614.22 Mbps	977.50 Mbps
<input checked="" type="checkbox"/>	USPnet	28571	551.47 Mbps	417.33 Mbps	968.80 Mbps
<input type="checkbox"/>	NET	28573	93.07 Mbps	791.80 Mbps	884.87 Mbps
<input type="checkbox"/>	RedeTche	2716	115.28 Mbps	679.98 Mbps	795.26 Mbps
<input type="checkbox"/>	FACEBOOK	32934	705.74 Mbps	70.58 Mbps	776.32 Mbps
<input type="checkbox"/>	AKAMAI-ASN1	20940	553.83 Mbps	23.83 Mbps	577.66 Mbps
<input type="checkbox"/>	263300	263300	207.72 Mbps	329.60 Mbps	537.31 Mbps
<input type="checkbox"/>	PoP-BA/RNP	53164	2.67 Mbps	515.02 Mbps	517.68 Mbps
<input type="checkbox"/>	UFDSC	10715	78.93 Mbps	362.91 Mbps	441.84 Mbps
<input type="checkbox"/>	UFDP	262511	130.83 Mbps	247.50 Mbps	378.33 Mbps
<input type="checkbox"/>	Oi	7738	31.61 Mbps	301.90 Mbps	333.51 Mbps
<input type="checkbox"/>	SOFTLAYER	36351	282.27 Mbps	28.08 Mbps	310.35 Mbps

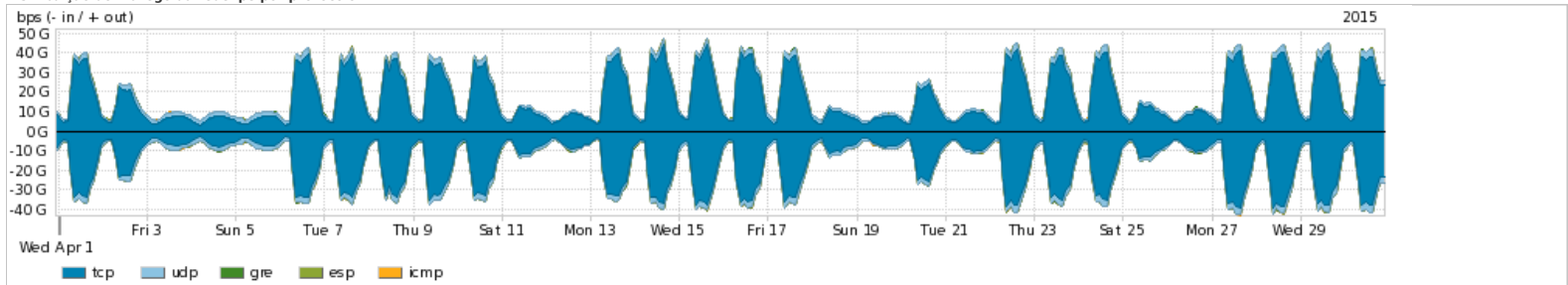
Distribuição do tráfego da rede Ipê por aplicação (análise nas camadas 3 e 4)



Average | Max | PCT95

	APPLICATION	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	http		7.66 Gbps	7.75 Gbps	15.41 Gbps
<input checked="" type="checkbox"/>	ssl		6.39 Gbps	6.95 Gbps	13.35 Gbps
<input checked="" type="checkbox"/>	other UDP		1.73 Gbps	1.79 Gbps	3.52 Gbps
<input checked="" type="checkbox"/>	other TCP		1.34 Gbps	1.41 Gbps	2.75 Gbps
<input checked="" type="checkbox"/>	dns		193.94 Mbps	189.94 Mbps	383.88 Mbps
<input type="checkbox"/>	ssh		161.88 Mbps	87.19 Mbps	249.06 Mbps
<input type="checkbox"/>	rsync		146.58 Mbps	85.27 Mbps	231.85 Mbps
<input type="checkbox"/>	macromedia-fcs		113.19 Mbps	117.55 Mbps	230.74 Mbps
<input type="checkbox"/>	ntp		75.02 Mbps	111.64 Mbps	186.66 Mbps
<input type="checkbox"/>	smtp		52.61 Mbps	53.79 Mbps	106.40 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

	PROTOCOL	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	tcp		16.00 Gbps	16.65 Gbps	32.65 Gbps
<input checked="" type="checkbox"/>	udp		1.99 Gbps	2.06 Gbps	4.05 Gbps
<input checked="" type="checkbox"/>	gre		39.04 Mbps	47.19 Mbps	86.23 Mbps
<input checked="" type="checkbox"/>	esp		39.20 Mbps	30.38 Mbps	69.58 Mbps
<input checked="" type="checkbox"/>	icmp		11.11 Mbps	11.15 Mbps	22.26 Mbps
<input type="checkbox"/>	ipv6		3.64 Mbps	3.85 Mbps	7.49 Mbps
<input type="checkbox"/>	ah		400.11 Kbps	399.65 Kbps	799.76 Kbps
<input type="checkbox"/>	pim		54.59 Kbps	743.00 bps	55.33 Kbps
<input type="checkbox"/>	ipv6-icmp		39.72 Kbps	5.07 Kbps	44.80 Kbps
<input type="checkbox"/>	ipv6-frag		421.00 bps	2.91 Kbps	3.33 Kbps

For assistance with this product, please contact support@arbornetworks.com.