

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

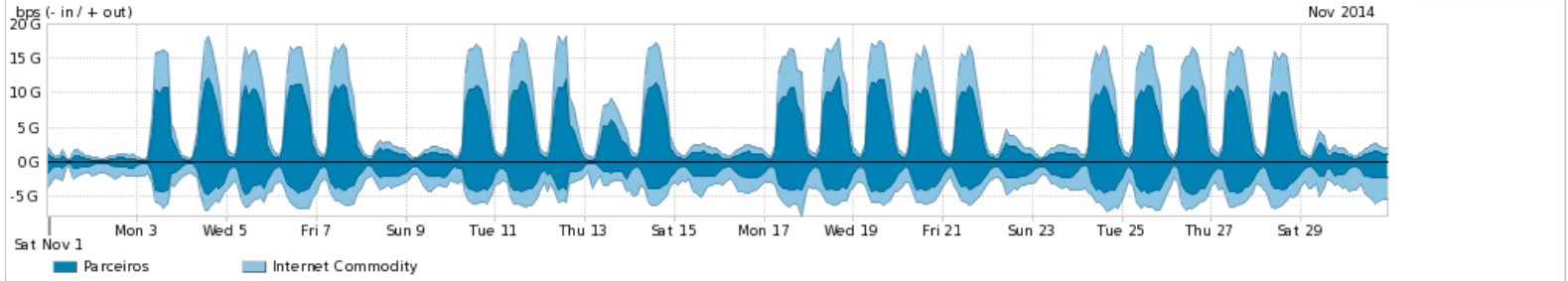
Internet Acadêmica - Acesso às redes acadêmicas internacionais, serviço atualmente provido pela RedClara

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)

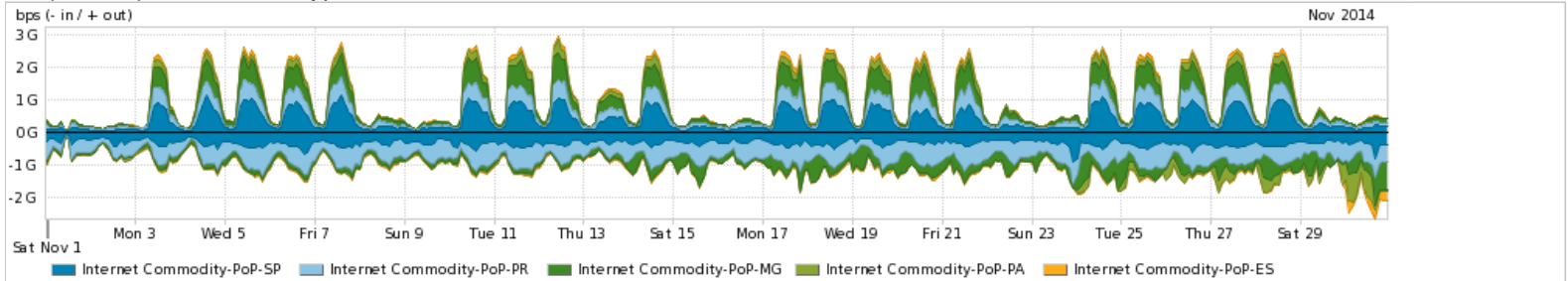
**Tráfego agregado dos acessos comerciais da RNP**



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/> Parceiros		2.23 Gbps	4.09 Gbps	6.33 Gbps
<input checked="" type="checkbox"/> Internet Commodity		2.02 Gbps	2.45 Gbps	4.47 Gbps

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

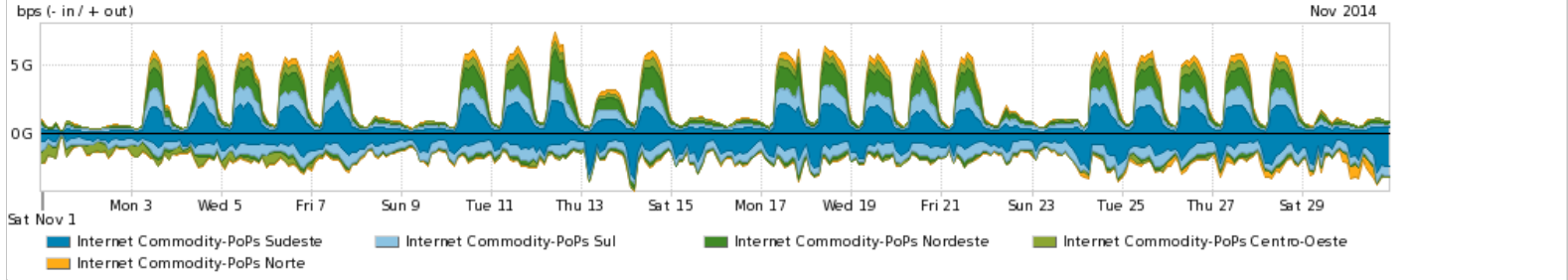


Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	PoP-SP	348.72 Mbps	361.97 Mbps	710.68 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-PR	470.82 Mbps	232.53 Mbps	703.35 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RJ	415.66 Mbps	124.36 Mbps	540.03 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-MG	222.91 Mbps	275.82 Mbps	498.73 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RS	28.84 Mbps	200.67 Mbps	229.51 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-SC	94.03 Mbps	132.44 Mbps	226.47 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-DF	30.42 Mbps	172.12 Mbps	202.54 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-PA	69.47 Mbps	90.97 Mbps	160.44 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-CE	36.04 Mbps	121.28 Mbps	157.32 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-GO	77.99 Mbps	62.79 Mbps	140.78 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PE	24.85 Mbps	82.17 Mbps	107.02 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PB	29.60 Mbps	75.99 Mbps	105.59 Mbps

PROFILE	PROFILE	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Commodity	PoP-BA	12.45 Mbps	81.20 Mbps	93.65 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RN	5.26 Mbps	78.90 Mbps	84.16 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-ES	34.46 Mbps	44.08 Mbps	78.55 Mbps

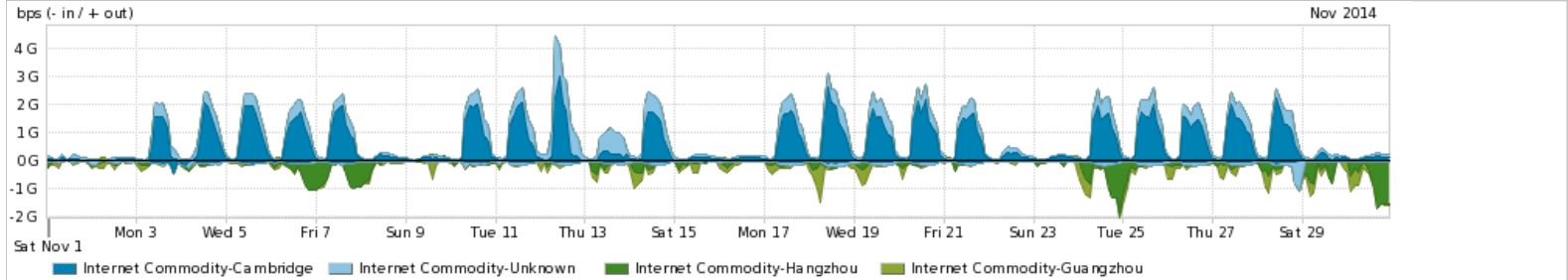
Utilização do serviço de Internet Commodity pelos PoPs da RNP agrupados por região



Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sudeste	1.02 Gbps	806.24 Mbps	1.83 Gbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sul	593.69 Mbps	565.63 Mbps	1.16 Gbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Nordeste	133.95 Mbps	601.81 Mbps	735.76 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Centro-Oeste	152.64 Mbps	288.16 Mbps	440.80 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Norte	99.86 Mbps	190.47 Mbps	290.33 Mbps

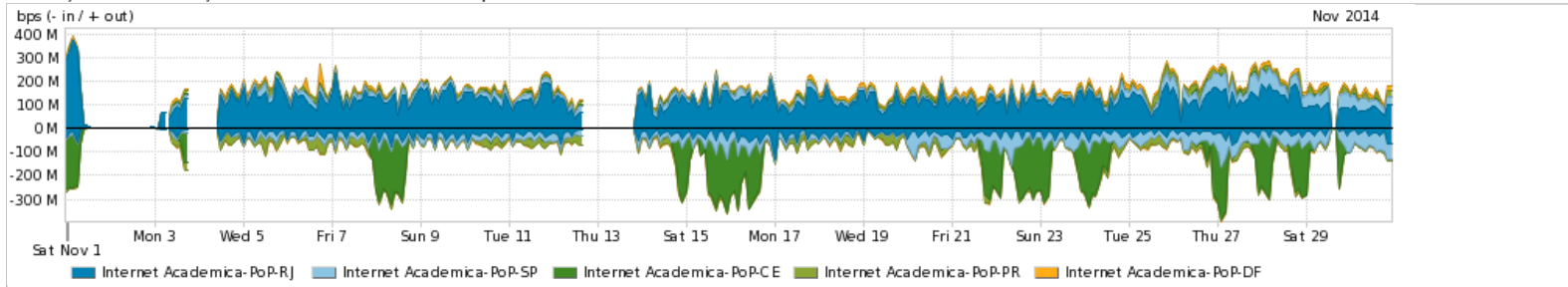
Interesse de tráfego do serviço de Internet Commodity por cidade



Average | Max | PCT95

PROFILE	CITY	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	Cambridge	27.46 Mbps	560.04 Mbps	587.50 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	69.45 Mbps	267.86 Mbps	337.31 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	6.08 Mbps	143.34 Mbps	149.43 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	13.81 Mbps	114.94 Mbps	128.74 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Hangzhou	126.00 Mbps	566.65 Kbps	126.57 Mbps
<input type="checkbox"/>	Internet Commodity	Englewood	1.57 Mbps	118.08 Mbps	119.65 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	20.18 Mbps	84.86 Mbps	105.04 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Guangzhou	88.82 Mbps	1.34 Mbps	90.16 Mbps
<input type="checkbox"/>	Internet Commodity	Nanning	77.25 Mbps	397.77 Kbps	77.65 Mbps
<input type="checkbox"/>	Internet Commodity	Tempe	711.38 Kbps	69.36 Mbps	70.07 Mbps

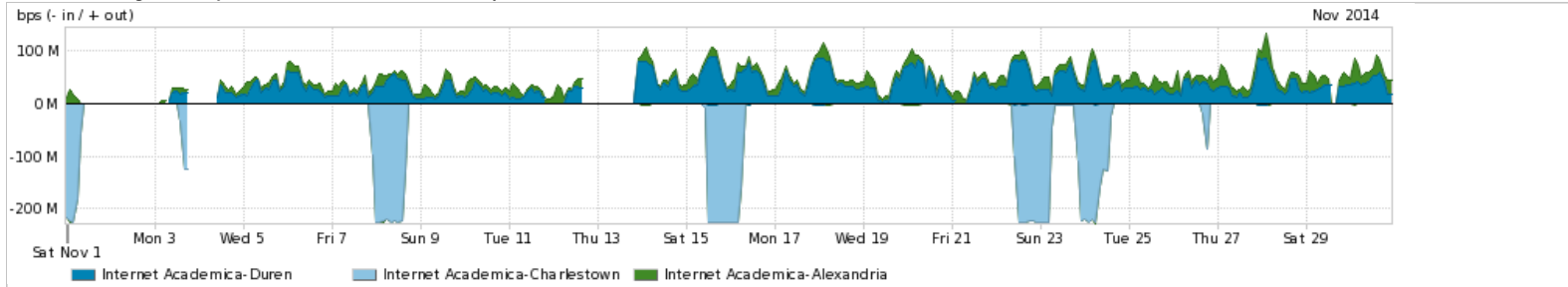
Distribuição do uso do serviço de Internet acadêmica internacional pelos PoPs da RNP



Average | Max | PCT95

<input type="checkbox"/>	PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Academica	PoP-RJ	20.96 Mbps	106.97 Mbps	127.94 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-SP	28.25 Mbps	19.60 Mbps	47.85 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-CE	42.41 Mbps	1.53 Mbps	43.95 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-PR	12.69 Mbps	7.95 Mbps	20.65 Mbps
<input type="checkbox"/>	Internet Academica	PoP-SC	2.01 Mbps	11.66 Mbps	13.66 Mbps
<input type="checkbox"/>	Internet Academica	PoP-MG	2.94 Mbps	9.57 Mbps	12.52 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-DF	1.54 Mbps	9.98 Mbps	11.52 Mbps
<input type="checkbox"/>	Internet Academica	PoP-RS	826.79 Kbps	9.95 Mbps	10.78 Mbps
<input type="checkbox"/>	Internet Academica	PoP-BA	383.64 Kbps	10.26 Mbps	10.64 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PA	456.99 Kbps	9.51 Mbps	9.96 Mbps
<input type="checkbox"/>	Internet Academica	PoP-GO	573.08 Kbps	1.46 Mbps	2.03 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PE	310.00 Kbps	1.70 Mbps	2.01 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PB	285.38 Kbps	1.14 Mbps	1.42 Mbps
<input type="checkbox"/>	Internet Academica	PoP-ES	656.46 Kbps	644.51 Kbps	1.30 Mbps
<input type="checkbox"/>	Internet Academica	PoP-AM	142.08 Kbps	926.32 Kbps	1.07 Mbps

Interesse de trafego do serviço de Internet acadêmica internacional por cidades

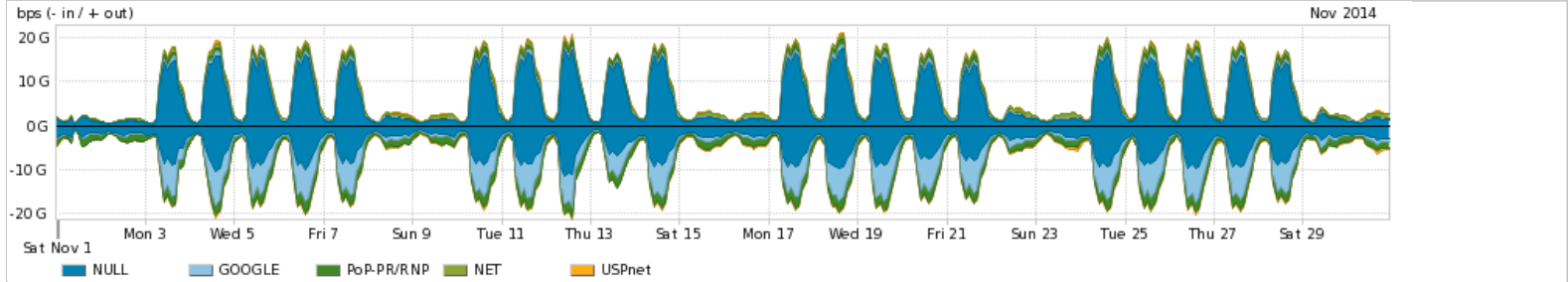


Average | Max | PCT95

<input type="checkbox"/>	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Academica	Duren	491.23 Kbps	29.71 Mbps	30.20 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Charlestown	25.46 Mbps	1.34 Kbps	25.46 Mbps
<input type="checkbox"/>	Internet Academica	Berlin	16.79 Mbps	53.53 Kbps	16.84 Mbps
<input type="checkbox"/>	Internet Academica	New Orleans	8.27 Mbps	7.89 Mbps	16.16 Mbps
<input type="checkbox"/>	Internet Academica	West Lafayette	445.74 Kbps	14.72 Mbps	15.17 Mbps

PROFILE	CITY	IN	OUT	TOTAL
<input type="checkbox"/>	Internet Academica	Unknown	1.87 Mbps	11.58 Mbps
<input type="checkbox"/>	Internet Academica	Sioux Falls	1.62 Mbps	10.60 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Alexandria	190.81 Kbps	11.37 Mbps
<input type="checkbox"/>	Internet Academica	Karlsruhe	4.85 Mbps	6.39 Mbps
<input type="checkbox"/>	Internet Academica	Cambridge	656.32 Kbps	10.53 Mbps

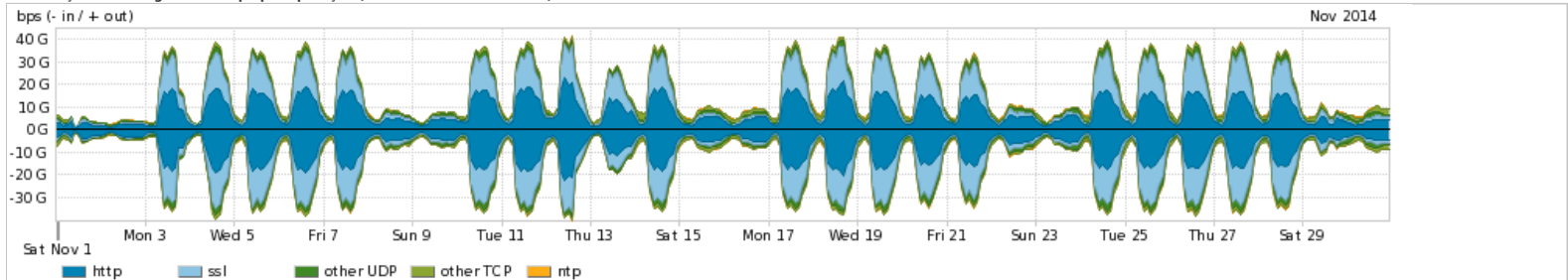
Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



Average | Max | PCT95

AS NAME	ASN	IN	OUT	TOTAL
<input checked="" type="checkbox"/> NULL		0	4.21 Gbps	5.61 Gbps
<input checked="" type="checkbox"/> GOOGLE	15169		2.55 Gbps	338.26 Mbps
<input checked="" type="checkbox"/> PoP-PR/RNP	10881		1.42 Gbps	452.08 Mbps
<input type="checkbox"/> FACEBOOK	32934		899.12 Mbps	63.18 Mbps
<input type="checkbox"/> RedeRio	2715		317.92 Mbps	602.47 Mbps
<input checked="" type="checkbox"/> NET	28573		53.21 Mbps	664.97 Mbps
<input type="checkbox"/> RedeTche	2716		108.21 Mbps	607.13 Mbps
<input type="checkbox"/> AKAMAI-ASN1	20940		684.47 Mbps	22.24 Mbps
<input type="checkbox"/> CHINANET-BACKBONE	4134		9.02 Mbps	509.51 Mbps
<input type="checkbox"/> PoP-BA/RNP	53164		35.14 Mbps	430.38 Mbps
<input type="checkbox"/> 263300	263300		203.76 Mbps	246.93 Mbps
<input checked="" type="checkbox"/> USPnet	28571		283.06 Mbps	150.84 Mbps
<input type="checkbox"/> UFDSC	10715		75.22 Mbps	346.12 Mbps
<input type="checkbox"/> OVH	16276		66.96 Mbps	292.73 Mbps
<input type="checkbox"/> Oi	7738		35.75 Mbps	302.35 Mbps

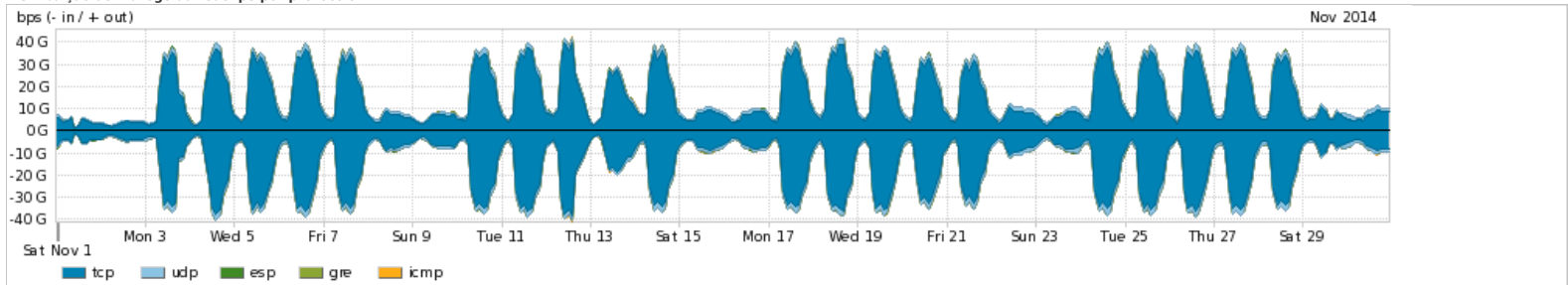
Distribuição do tráfego da rede Ipê por aplicação (análise nas camadas 3 e 4)



Average | Max | PCT95

	APPLICATION	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	http		7.84 Gbps	7.91 Gbps	15.75 Gbps
<input checked="" type="checkbox"/>	ssl		5.28 Gbps	5.48 Gbps	10.76 Gbps
<input checked="" type="checkbox"/>	other UDP		1.37 Gbps	1.35 Gbps	2.72 Gbps
<input checked="" type="checkbox"/>	other TCP		1.15 Gbps	1.19 Gbps	2.33 Gbps
<input type="checkbox"/>	rsync		185.53 Mbps	164.37 Mbps	349.89 Mbps
<input checked="" type="checkbox"/>	ntp		93.58 Mbps	151.16 Mbps	244.74 Mbps
<input type="checkbox"/>	macromedia-fcs		109.66 Mbps	111.42 Mbps	221.09 Mbps
<input type="checkbox"/>	dns		73.67 Mbps	89.91 Mbps	163.58 Mbps
<input type="checkbox"/>	ssh		53.72 Mbps	60.41 Mbps	114.14 Mbps
<input type="checkbox"/>	smtp		51.42 Mbps	49.88 Mbps	101.30 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

	PROTOCOL	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	tcp		14.79 Gbps	15.10 Gbps	29.89 Gbps
<input checked="" type="checkbox"/>	udp		1.53 Gbps	1.57 Gbps	3.11 Gbps
<input checked="" type="checkbox"/>	esp		32.71 Mbps	32.55 Mbps	65.26 Mbps
<input checked="" type="checkbox"/>	gre		21.48 Mbps	23.66 Mbps	45.14 Mbps
<input checked="" type="checkbox"/>	icmp		11.08 Mbps	10.18 Mbps	21.26 Mbps
<input type="checkbox"/>	ipv6		2.98 Mbps	2.92 Mbps	5.90 Mbps
<input type="checkbox"/>	ah		208.08 Kbps	209.78 Kbps	417.86 Kbps
<input type="checkbox"/>	pim		32.80 Kbps	927.00 bps	33.73 Kbps
<input type="checkbox"/>	rsvp		277.00 bps	92.00 bps	369.00 bps
<input type="checkbox"/>	crdup		71.00 bps	60.00 bps	131.00 bps

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