

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

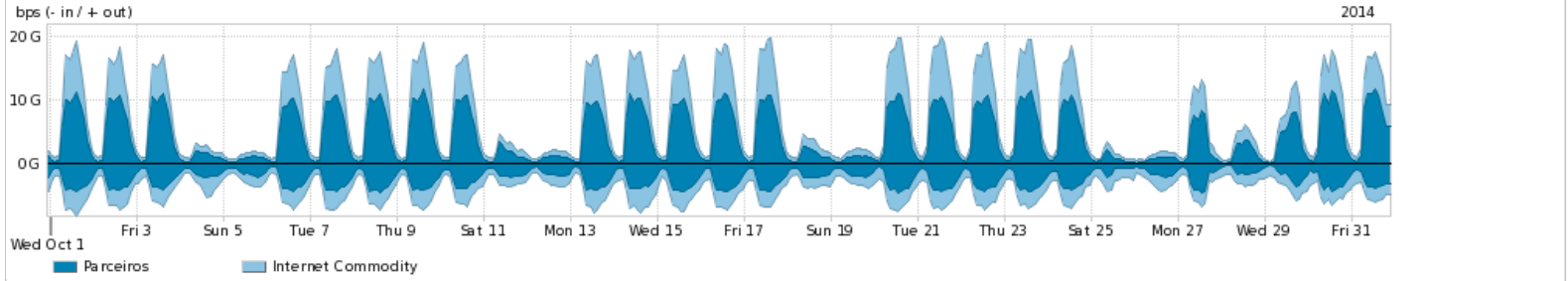
Internet Acadêmica - Acesso às redes acadêmicas internacionais, serviço atualmente provido pela RedClara

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)

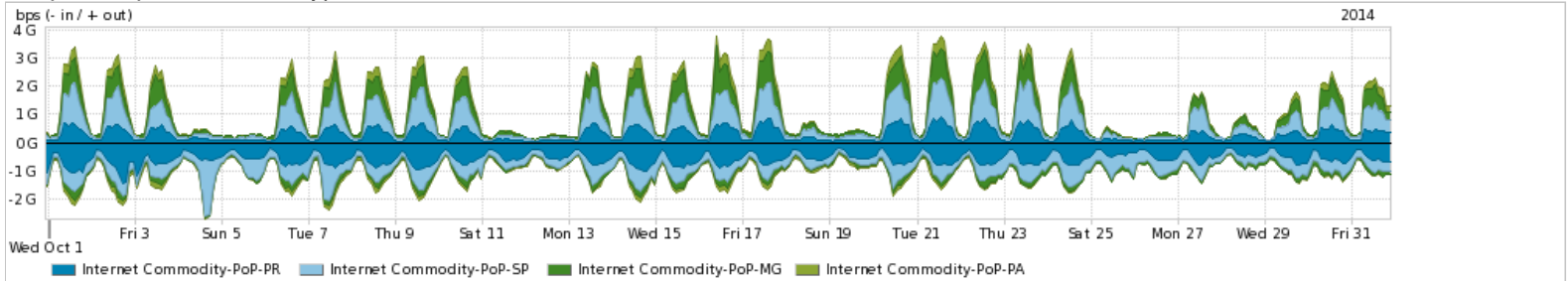
**Tráfego agregado dos acessos comerciais da RNP**



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/> Parceiros		2.26 Gbps	4.24 Gbps	6.50 Gbps
<input checked="" type="checkbox"/> Internet Commodity		1.89 Gbps	2.86 Gbps	4.75 Gbps

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

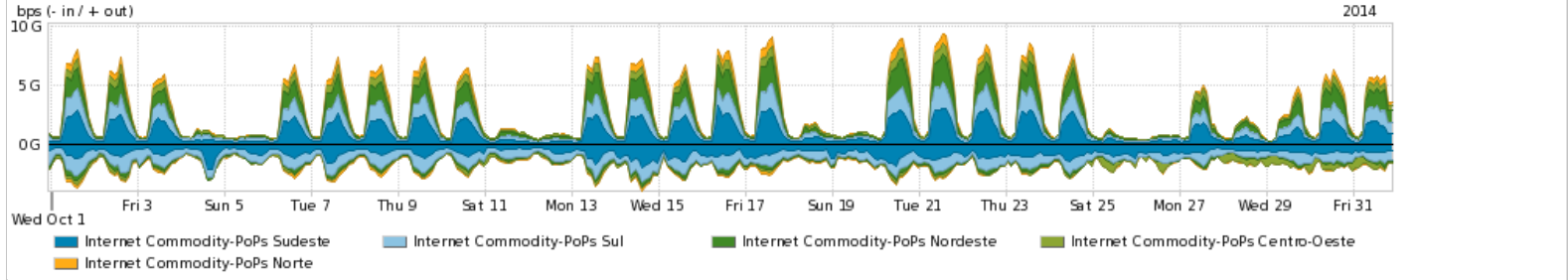


Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	PoP-PR	563.15 Mbps	274.83 Mbps	837.98 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-SP	389.62 Mbps	433.45 Mbps	823.06 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-MG	113.12 Mbps	328.91 Mbps	442.02 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RJ	238.03 Mbps	158.20 Mbps	396.23 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-SC	109.18 Mbps	172.48 Mbps	281.66 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-DF	39.99 Mbps	207.79 Mbps	247.78 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RS	29.86 Mbps	216.35 Mbps	246.21 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-CE	45.57 Mbps	144.27 Mbps	189.84 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-PA	51.96 Mbps	111.11 Mbps	163.07 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-GO	81.02 Mbps	62.89 Mbps	143.91 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PE	26.89 Mbps	91.92 Mbps	118.81 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PB	35.61 Mbps	81.23 Mbps	116.84 Mbps

PROFILE	PROFILE	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Commodity	PoP-BA	16.89 Mbps	84.66 Mbps	101.54 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RN	6.00 Mbps	88.69 Mbps	94.70 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-MA	13.76 Mbps	67.48 Mbps	81.24 Mbps

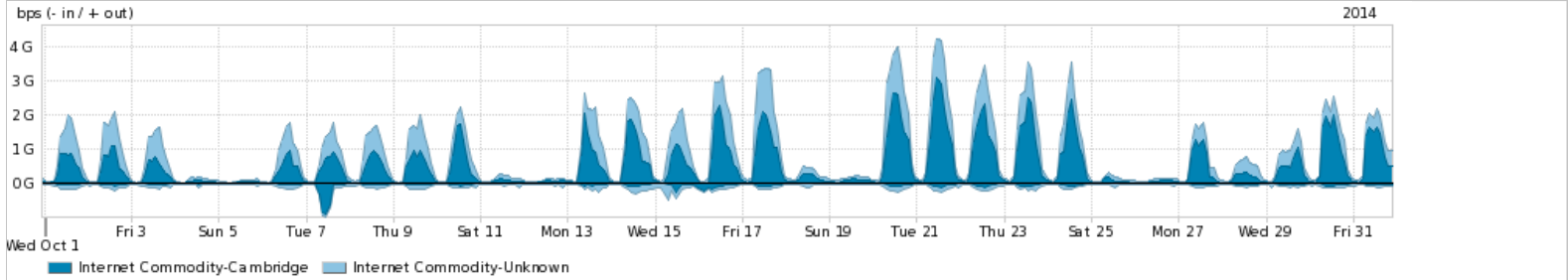
Utilização do serviço de Internet Commodity pelos PoPs da RNP agrupados por região



Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sudeste	767.15 Mbps	968.13 Mbps	1.74 Gbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sul	702.19 Mbps	663.67 Mbps	1.37 Gbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Nordeste	164.24 Mbps	675.66 Mbps	839.89 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Centro-Oeste	175.62 Mbps	332.83 Mbps	508.45 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Norte	76.67 Mbps	222.71 Mbps	299.39 Mbps

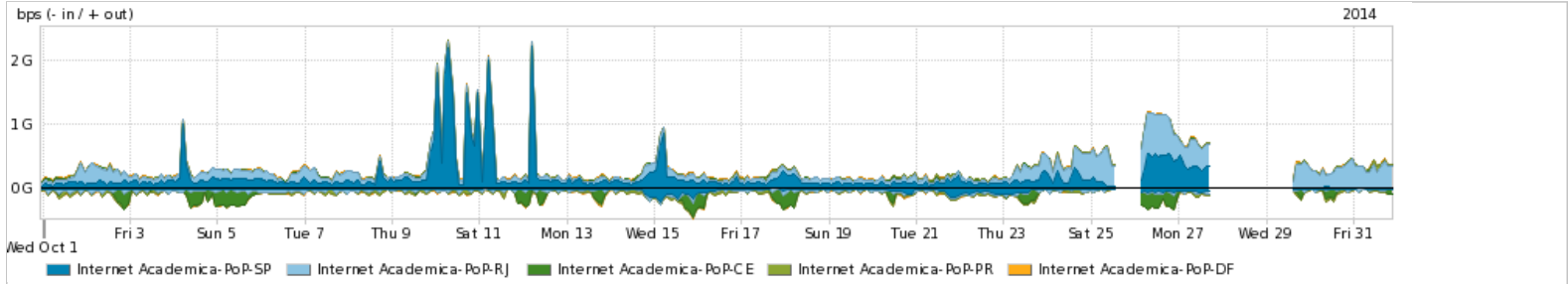
Interesse de tráfego do serviço de Internet Commodity por cidade



Average | Max | PCT95

PROFILE	CITY	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Commodity	Cambridge	33.82 Mbps	496.63 Mbps	530.45 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	67.47 Mbps	365.14 Mbps	432.61 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	18.27 Mbps	187.87 Mbps	206.14 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	13.31 Mbps	142.25 Mbps	155.57 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	23.01 Mbps	104.85 Mbps	127.86 Mbps
<input type="checkbox"/>	Internet Commodity	Englewood	1.49 Mbps	102.73 Mbps	104.22 Mbps
<input type="checkbox"/>	Internet Commodity	Tempe	834.08 Kbps	94.30 Mbps	95.13 Mbps
<input type="checkbox"/>	Internet Commodity	San Francisco	18.18 Mbps	56.47 Mbps	74.65 Mbps
<input type="checkbox"/>	Internet Commodity	Buenos Aires	39.41 Mbps	12.74 Mbps	52.15 Mbps
<input type="checkbox"/>	Internet Commodity	Saint Louis	37.75 Mbps	13.54 Mbps	51.29 Mbps

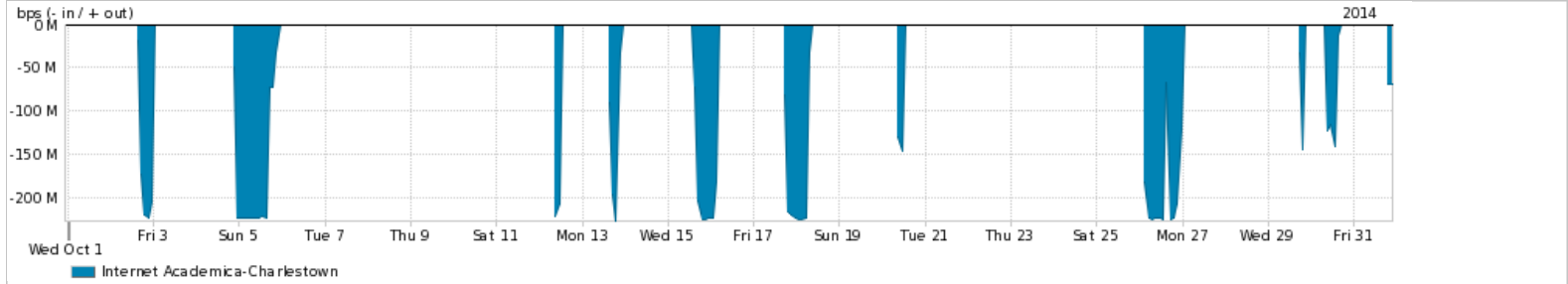
Distribuição do uso do serviço de Internet acadêmica internacional pelos PoPs da RNP



Average | Max | PCT95

PROFILE	PROFILE	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	Internet Academica	PoP-SP	24.79 Mbps	162.12 Mbps	186.90 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-RJ	24.21 Mbps	127.68 Mbps	151.89 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-CE	34.22 Mbps	2.64 Mbps	36.86 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-PR	17.11 Mbps	10.01 Mbps	27.12 Mbps
<input type="checkbox"/>	Internet Academica	PoP-RS	1.21 Mbps	16.09 Mbps	17.29 Mbps
<input type="checkbox"/>	Internet Academica	PoP-SC	2.26 Mbps	8.41 Mbps	10.67 Mbps
<input type="checkbox"/>	Internet Academica	PoP-MG	1.81 Mbps	8.53 Mbps	10.33 Mbps
<input checked="" type="checkbox"/>	Internet Academica	PoP-DF	2.71 Mbps	6.81 Mbps	9.52 Mbps
<input type="checkbox"/>	Internet Academica	PoP-BA	487.52 Kbps	8.94 Mbps	9.43 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PA	725.80 Kbps	3.44 Mbps	4.16 Mbps
<input type="checkbox"/>	Internet Academica	PoP-RN	62.43 Kbps	3.35 Mbps	3.41 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PE	634.77 Kbps	2.29 Mbps	2.92 Mbps
<input type="checkbox"/>	Internet Academica	PoP-AM	172.47 Kbps	2.57 Mbps	2.75 Mbps
<input type="checkbox"/>	Internet Academica	PoP-GO	206.35 Kbps	2.41 Mbps	2.62 Mbps
<input type="checkbox"/>	Internet Academica	PoP-PB	443.56 Kbps	1.02 Mbps	1.46 Mbps

Interesse de trafego do serviço de Internet acadêmica internacional por cidades

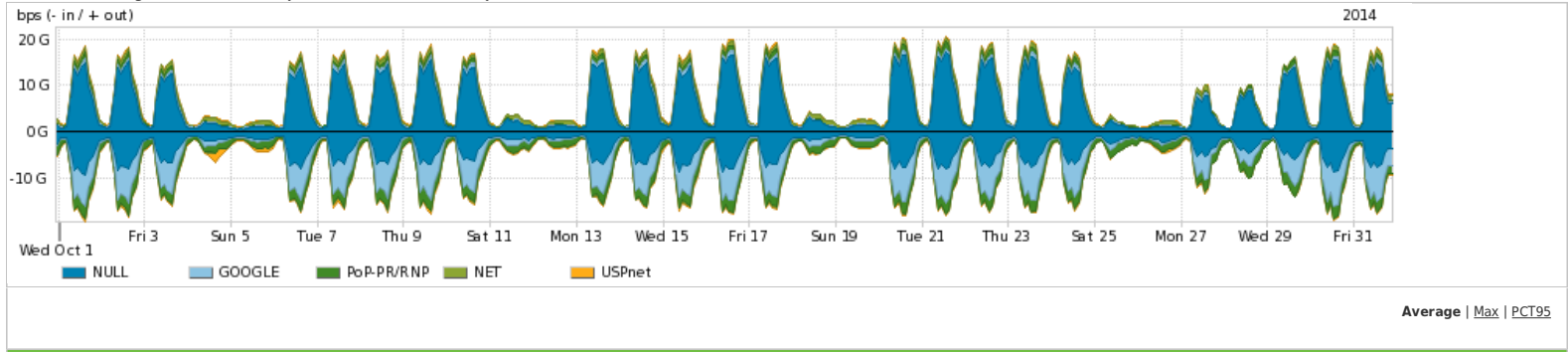


Average | Max | PCT95

PROFILE	CITY	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Academica	Unknown	1.27 Mbps	39.46 Mbps	40.73 Mbps
<input type="checkbox"/>	Internet Academica	Appleton	1.71 Mbps	34.21 Mbps	35.93 Mbps
<input type="checkbox"/>	Internet Academica	Unknown	2.35 Mbps	31.39 Mbps	33.73 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Charlestown	26.67 Mbps	1.95 Kbps	26.67 Mbps
<input type="checkbox"/>	Internet Academica	Bologna	681.05 Kbps	24.90 Mbps	25.59 Mbps

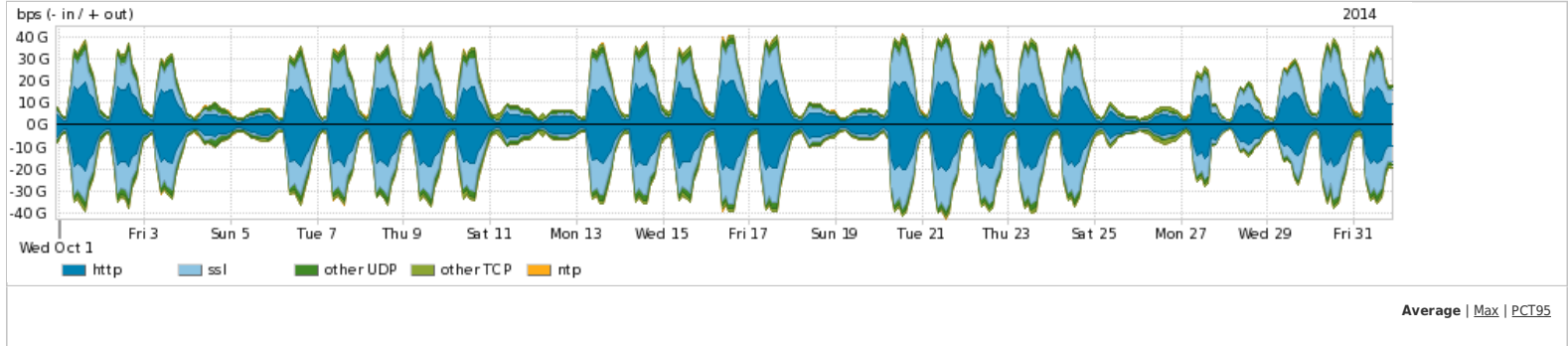
PROFILE	CITY	IN	OUT	TOTAL	
<input type="checkbox"/>	Internet Academica	Gradignan	914.99 Kbps	20.93 Mbps	21.85 Mbps
<input type="checkbox"/>	Internet Academica	West Lafayette	989.35 Kbps	19.67 Mbps	20.66 Mbps
<input type="checkbox"/>	Internet Academica	New Orleans	10.15 Mbps	9.71 Mbps	19.86 Mbps
<input type="checkbox"/>	Internet Academica	Hamburg	110.56 Kbps	17.66 Mbps	17.78 Mbps
<input type="checkbox"/>	Internet Academica	Geneva	2.39 Mbps	15.33 Mbps	17.72 Mbps

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



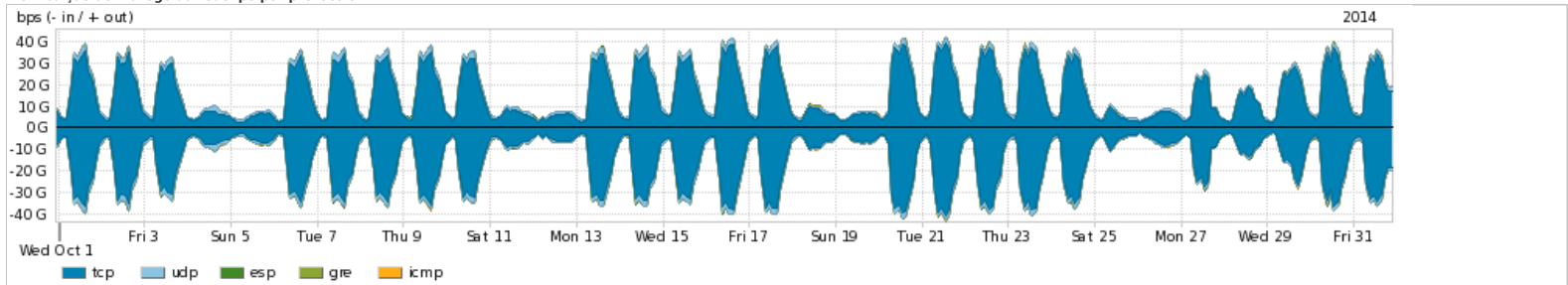
AS NAME	ASN	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	NULL	0	3.46 Gbps	9.10 Gbps
<input checked="" type="checkbox"/>	GOOGLE	15169	2.56 Gbps	2.91 Gbps
<input checked="" type="checkbox"/>	PoP-PR/RNP	10881	1.53 Gbps	1.96 Gbps
<input type="checkbox"/>	FACEBOOK	32934	935.24 Mbps	1.00 Gbps
<input type="checkbox"/>	RedeRio	2715	237.54 Mbps	900.34 Mbps
<input checked="" type="checkbox"/>	NET	28573	58.56 Mbps	747.08 Mbps
<input type="checkbox"/>	AKAMAI-ASN1	20940	686.96 Mbps	731.27 Mbps
<input type="checkbox"/>	RedeTche	2716	104.81 Mbps	695.31 Mbps
<input type="checkbox"/>	263300	263300	240.60 Mbps	522.56 Mbps
<input checked="" type="checkbox"/>	USPnet	28571	296.06 Mbps	480.98 Mbps
<input type="checkbox"/>	PoP-BA/RNP	53164	96.84 Mbps	457.53 Mbps
<input type="checkbox"/>	UFDSC	10715	80.92 Mbps	443.68 Mbps
<input type="checkbox"/>	ANSP	1251	125.26 Mbps	386.10 Mbps
<input type="checkbox"/>	Oi	7738	38.73 Mbps	353.80 Mbps
<input type="checkbox"/>	AMAZON-AES	14618	213.39 Mbps	349.52 Mbps

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



	APPLICATION	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	http		8.28 Gbps	8.17 Gbps	16.45 Gbps
<input checked="" type="checkbox"/>	ssl		5.18 Gbps	5.28 Gbps	10.46 Gbps
<input checked="" type="checkbox"/>	other UDP		1.38 Gbps	1.47 Gbps	2.85 Gbps
<input checked="" type="checkbox"/>	other TCP		1.15 Gbps	1.15 Gbps	2.30 Gbps
<input type="checkbox"/>	rsync		217.46 Mbps	207.95 Mbps	425.41 Mbps
<input type="checkbox"/>	macromedia-fcs		125.55 Mbps	125.12 Mbps	250.67 Mbps
<input type="checkbox"/>	dns		59.51 Mbps	103.09 Mbps	162.60 Mbps
<input type="checkbox"/>	smtp		57.34 Mbps	59.28 Mbps	116.62 Mbps
<input checked="" type="checkbox"/>	ntp		22.07 Mbps	82.60 Mbps	104.67 Mbps
<input type="checkbox"/>	rdp		49.66 Mbps	53.54 Mbps	103.20 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

	PROTOCOL	IN	OUT	TOTAL	
<input checked="" type="checkbox"/>	tcp		15.20 Gbps	15.18 Gbps	30.38 Gbps
<input checked="" type="checkbox"/>	udp		1.47 Gbps	1.65 Gbps	3.13 Gbps
<input checked="" type="checkbox"/>	esp		30.67 Mbps	30.46 Mbps	61.13 Mbps
<input checked="" type="checkbox"/>	gre		20.07 Mbps	21.64 Mbps	41.71 Mbps
<input checked="" type="checkbox"/>	icmp		13.75 Mbps	15.12 Mbps	28.88 Mbps
<input type="checkbox"/>	ipv6		4.94 Mbps	5.10 Mbps	10.04 Mbps
<input type="checkbox"/>	ah		213.62 Kbps	213.46 Kbps	427.08 Kbps
<input type="checkbox"/>	ipv6-icmp		52.09 Kbps	76.41 Kbps	128.51 Kbps
<input type="checkbox"/>	pim		12.19 Kbps	743.00 bps	12.93 Kbps
<input type="checkbox"/>	ipv6-frag		4.04 Kbps	5.33 Kbps	9.36 Kbps

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