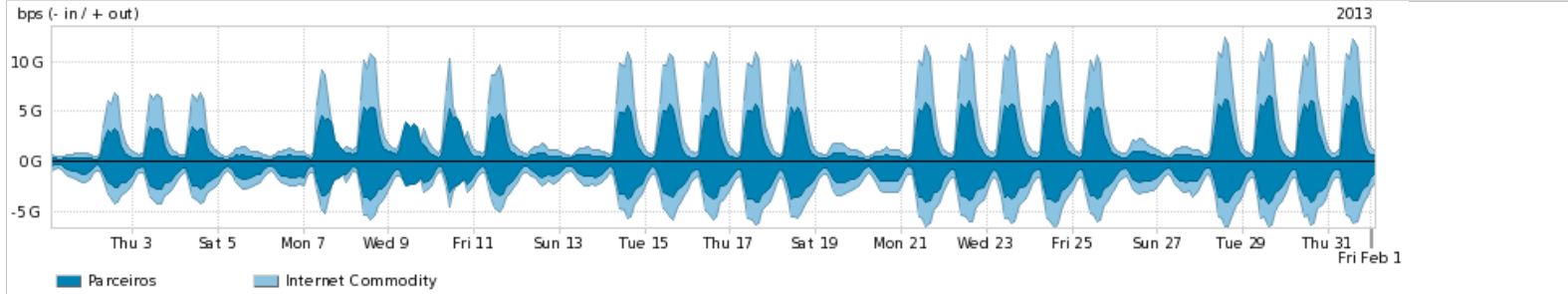


**Peakflow SP: Estatísticas de trafego gerais da Rede Ipe Completed Report (17:39, Mar 21 )**

Os gráficos apresentados neste relatório de trafego 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)

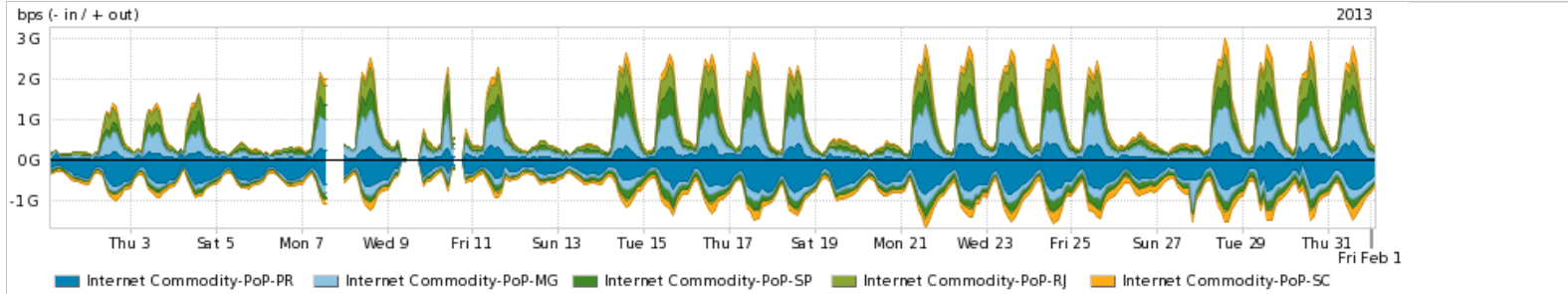
**Tráfego agregado dos acessos comerciais da RNP**



Average | Max | PCT95

PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/> Parceiros	1.97 Gbps	1.86 Gbps	3.83 Gbps
<input checked="" type="checkbox"/> Internet Commodity	1.13 Gbps	1.81 Gbps	2.94 Gbps

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

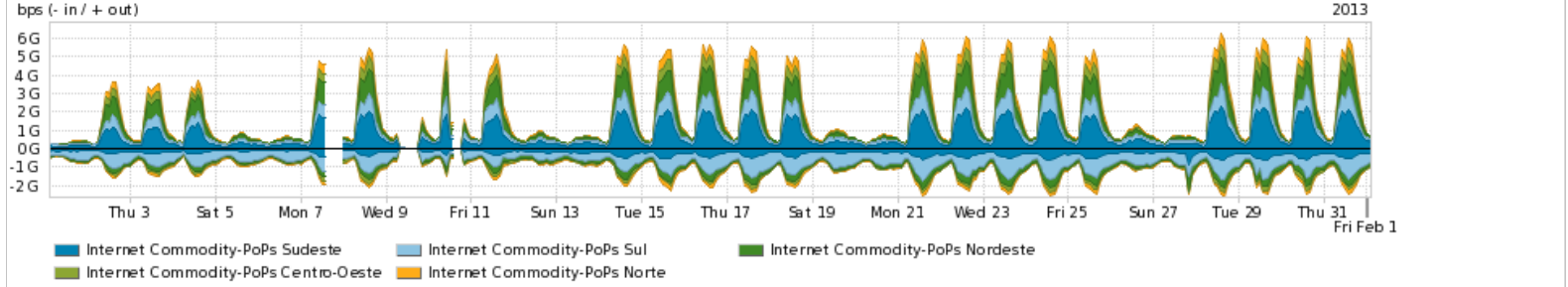


Average | Max | PCT95

	PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Commodity	PoP-PR	398.48 Mbps	137.18 Mbps	535.67 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-MG	109.57 Mbps	293.13 Mbps	402.70 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-SP	92.02 Mbps	176.78 Mbps	268.80 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-RJ	26.09 Mbps	183.36 Mbps	209.45 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoP-SC	104.36 Mbps	76.42 Mbps	180.78 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RS	35.80 Mbps	127.77 Mbps	163.57 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-DF	51.04 Mbps	106.71 Mbps	157.76 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PA	49.75 Mbps	102.09 Mbps	151.83 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-RN	47.20 Mbps	84.38 Mbps	131.59 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PE	28.50 Mbps	77.40 Mbps	105.90 Mbps

	PROFILE	PROFILE	IN	OUT	TOTAL
<input type="checkbox"/>	Internet Commodity	PoP-CE	20.17 Mbps	73.07 Mbps	93.24 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-GO	29.29 Mbps	48.14 Mbps	77.42 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-ES	35.45 Mbps	37.86 Mbps	73.32 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-MA	25.67 Mbps	47.38 Mbps	73.05 Mbps
<input type="checkbox"/>	Internet Commodity	PoP-PB	22.91 Mbps	47.88 Mbps	70.79 Mbps

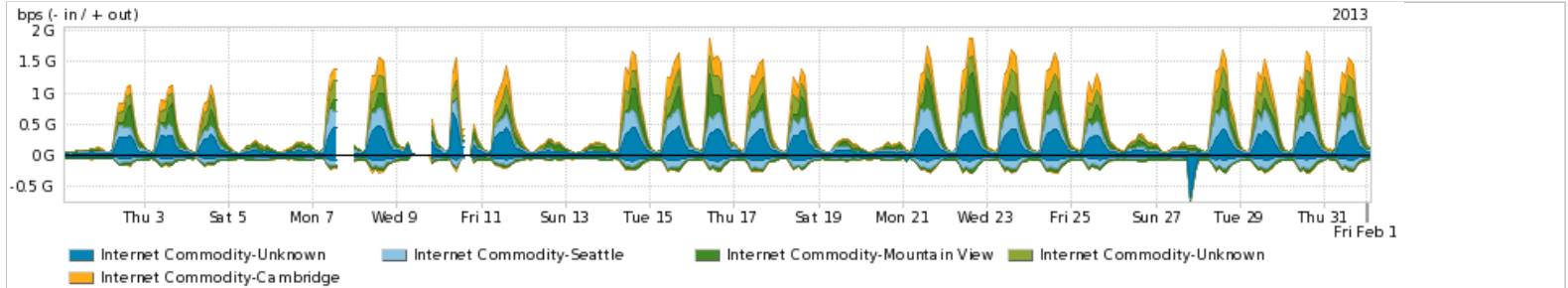
Utilização do serviço de Internet Commodity pelos PoPs da RNP agrupados por região



Average | Max | PCT95

	PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sudeste	263.14 Mbps	691.13 Mbps	954.27 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Sul	538.64 Mbps	341.38 Mbps	880.02 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Nordeste	185.24 Mbps	444.31 Mbps	629.55 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Centro-Oeste	94.14 Mbps	201.43 Mbps	295.57 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	PoPs Norte	81.62 Mbps	180.55 Mbps	262.16 Mbps

Interesse de tráfego do serviço de Internet Commodity por cidade

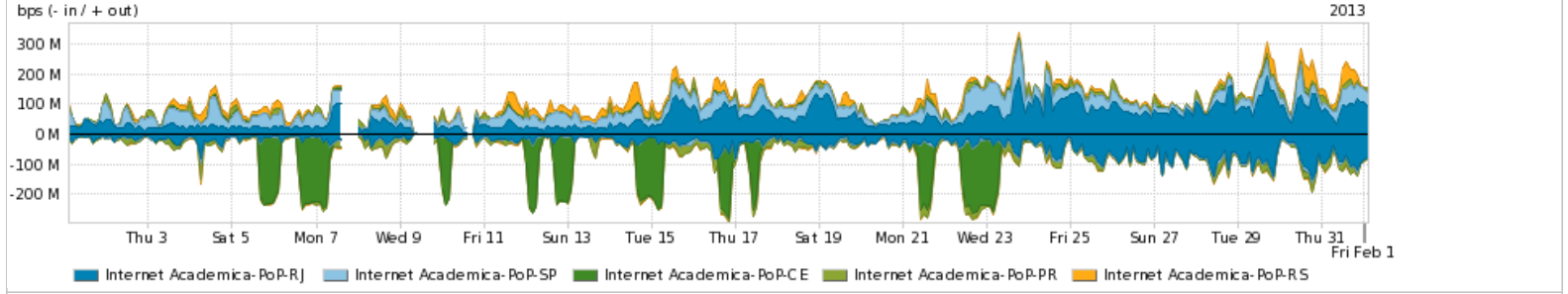


Average | Max | PCT95

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	40.28 Mbps	132.36 Mbps	172.64 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Seattle	37.64 Mbps	90.13 Mbps	127.77 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Mountain View	32.81 Mbps	76.79 Mbps	109.61 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Unknown	3.76 Mbps	98.15 Mbps	101.90 Mbps
<input checked="" type="checkbox"/>	Internet Commodity	Cambridge	5.11 Mbps	88.38 Mbps	93.49 Mbps
<input type="checkbox"/>	Internet Commodity	Tempe	1.19 Mbps	68.10 Mbps	69.29 Mbps
<input type="checkbox"/>	Internet Commodity	Unknown	9.01 Mbps	56.07 Mbps	65.07 Mbps
<input type="checkbox"/>	Internet Commodity	Redmond	30.93 Mbps	33.89 Mbps	64.82 Mbps
<input type="checkbox"/>	Internet Commodity	Palo Alto	18.87 Mbps	42.27 Mbps	61.14 Mbps

	PROFILE	CITY	IN	OUT	TOTAL
<input type="checkbox"/>	Internet Commodity	Buenos Aires	52.85 Mbps	7.85 Mbps	60.70 Mbps

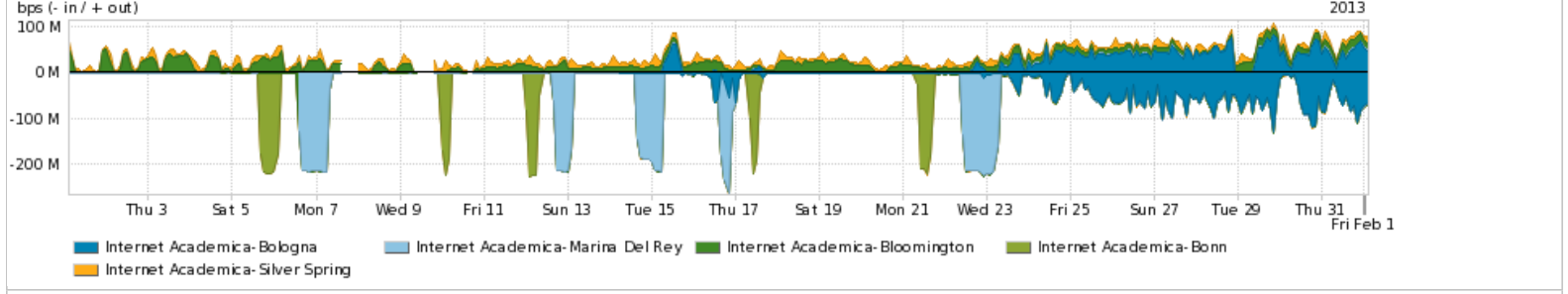
Distribuição do uso do serviço de Internet acadêmica internacional pelos PoPs da RNP



Average | Max | PCT95

	PROFILE	PROFILE	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-RJ	33.46 Mbps	55.08 Mbps	88.54 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-SP	3.28 Mbps	32.01 Mbps	35.29 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-CE	31.04 Mbps	1.09 Mbps	32.13 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-PR	9.59 Mbps	7.20 Mbps	16.78 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	PoP-RS	1.34 Mbps	12.98 Mbps	14.32 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-MG	2.81 Mbps	7.60 Mbps	10.41 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-SC	2.92 Mbps	3.00 Mbps	5.92 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-PE	773.89 Kbps	3.88 Mbps	4.66 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-PA	997.00 Kbps	2.96 Mbps	3.95 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-DF	1.25 Mbps	2.43 Mbps	3.68 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-BA	405.48 Kbps	2.37 Mbps	2.78 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-GO	396.63 Kbps	1.51 Mbps	1.91 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-RN	619.27 Kbps	1.16 Mbps	1.78 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-PB	476.38 Kbps	1.13 Mbps	1.61 Mbps
<input type="checkbox"/>	Internet Acadêmica	PoP-ES	525.98 Kbps	1.02 Mbps	1.55 Mbps

Interesse de trafego do serviço de Internet acadêmica internacional por cidades

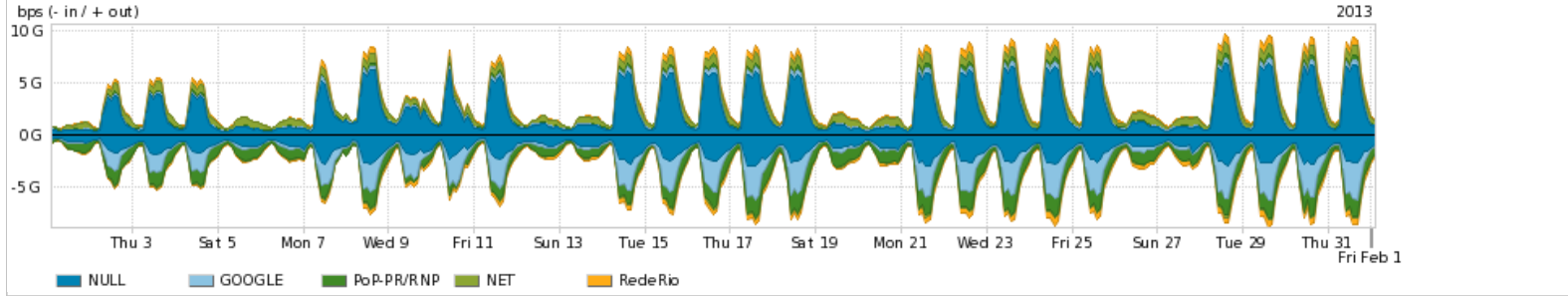


Average | Max | PCT95

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Acadêmica	Bologna	15.91 Mbps	12.12 Mbps	28.03 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	Marina Del Rey	20.91 Mbps	238.72 Kbps	21.15 Mbps
<input checked="" type="checkbox"/>	Internet Acadêmica	Bloomington	834.71 Kbps	13.26 Mbps	14.10 Mbps

	PROFILE	CITY	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	Internet Academica	Bonn	10.79 Mbps	16.04 Kbps	10.81 Mbps
<input checked="" type="checkbox"/>	Internet Academica	Silver Spring	347.59 Kbps	8.50 Mbps	8.85 Mbps
<input type="checkbox"/>	Internet Academica	Boulder	2.89 Mbps	5.66 Mbps	8.55 Mbps
<input type="checkbox"/>	Internet Academica	Geneva	2.59 Mbps	4.57 Mbps	7.16 Mbps
<input type="checkbox"/>	Internet Academica	Unknown	3.03 Mbps	4.08 Mbps	7.11 Mbps
<input type="checkbox"/>	Internet Academica	Pasadena	104.83 Kbps	6.59 Mbps	6.70 Mbps
<input type="checkbox"/>	Internet Academica	Urbana	1.09 Mbps	4.99 Mbps	6.09 Mbps

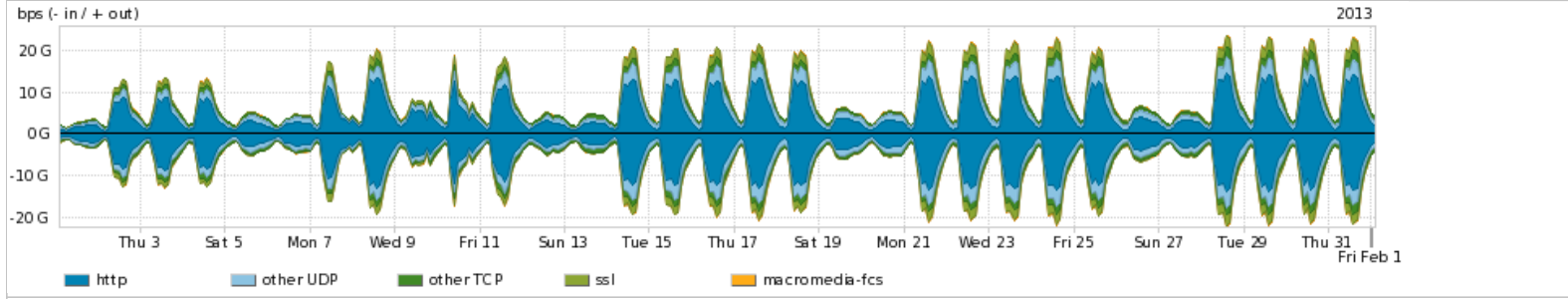
Redes (AS's de origem) mais acessadas pelos clientes da RNP sob o ponto de vista do AS1916



Average | Max | PCT95

	AS NAME	ASN	IN	OUT	TOTAL
<input checked="" type="checkbox"/>	NULL	0	1.43 Gbps	2.18 Gbps	3.61 Gbps
<input checked="" type="checkbox"/>	GOOGLE	15169	955.24 Mbps	150.20 Mbps	1.11 Gbps
<input checked="" type="checkbox"/>	PoP-PR/RNP	10881	923.83 Mbps	136.92 Mbps	1.06 Gbps
<input checked="" type="checkbox"/>	NET	28573	77.63 Mbps	623.42 Mbps	701.04 Mbps
<input checked="" type="checkbox"/>	RedeRio	2715	266.73 Mbps	252.53 Mbps	519.26 Mbps
<input type="checkbox"/>	Oi	7738	36.88 Mbps	380.88 Mbps	417.76 Mbps
<input type="checkbox"/>	PoP-SC/RNP	11242	218.23 Mbps	126.18 Mbps	344.41 Mbps
<input type="checkbox"/>	GVT	18881	56.64 Mbps	229.77 Mbps	286.41 Mbps
<input type="checkbox"/>	262511	262511	116.51 Mbps	141.04 Mbps	257.55 Mbps
<input type="checkbox"/>	TELESP	27699	24.46 Mbps	228.80 Mbps	253.26 Mbps
<input type="checkbox"/>	ANSP	1251	207.40 Mbps	31.79 Mbps	239.19 Mbps
<input type="checkbox"/>	RedeTche	2716	66.99 Mbps	168.64 Mbps	235.63 Mbps
<input type="checkbox"/>	USPnet	28571	65.84 Mbps	154.06 Mbps	219.90 Mbps
<input type="checkbox"/>	TELESC	8167	30.58 Mbps	166.43 Mbps	197.02 Mbps
<input type="checkbox"/>	PoP-BA/RNP	53164	45.47 Mbps	147.63 Mbps	193.10 Mbps

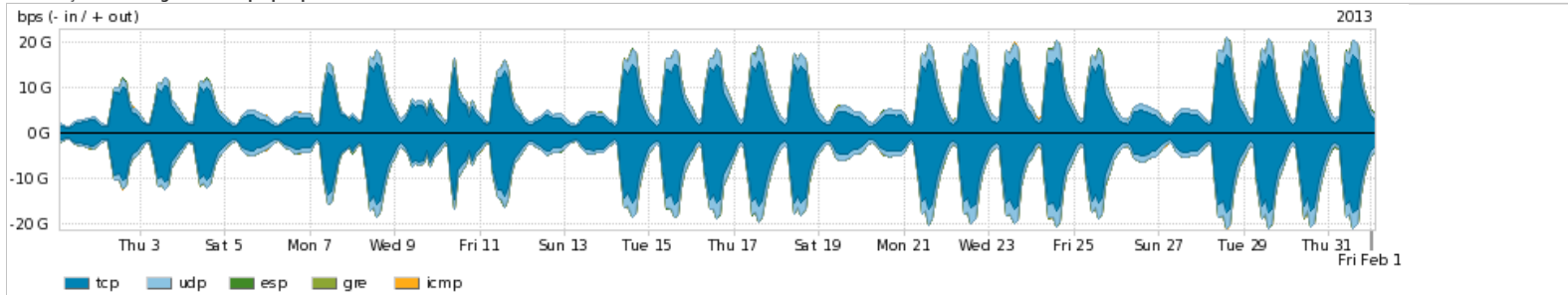
Distribuição do tráfego da rede Ipê por aplicação (análise nas camadas 3 e 4)



Average | Max | PCT95

APPLICATION	IN	OUT	TOTAL
<input checked="" type="checkbox"/> http	5.01 Gbps	5.06 Gbps	10.07 Gbps
<input checked="" type="checkbox"/> other UDP	1.52 Gbps	1.57 Gbps	3.09 Gbps
<input checked="" type="checkbox"/> other TCP	928.10 Mbps	959.12 Mbps	1.89 Gbps
<input checked="" type="checkbox"/> ssl	679.94 Mbps	743.57 Mbps	1.42 Gbps
<input checked="" type="checkbox"/> macromedia-fcs	93.97 Mbps	94.36 Mbps	188.33 Mbps
<input type="checkbox"/> rsync	66.00 Mbps	65.34 Mbps	131.34 Mbps
<input type="checkbox"/> dns	63.20 Mbps	66.72 Mbps	129.92 Mbps
<input type="checkbox"/> smtp	55.66 Mbps	55.90 Mbps	111.56 Mbps
<input type="checkbox"/> ssh	41.57 Mbps	41.43 Mbps	83.00 Mbps
<input type="checkbox"/> pop	17.03 Mbps	17.35 Mbps	34.38 Mbps

Distribuição do tráfego da rede Ipê por protocolo



Average | Max | PCT95

PROTOCOL	IN	OUT	TOTAL
<input checked="" type="checkbox"/> tcp	6.42 Gbps	6.29 Gbps	12.70 Gbps
<input checked="" type="checkbox"/> udp	1.48 Gbps	1.50 Gbps	2.98 Gbps
<input checked="" type="checkbox"/> esp	13.11 Mbps	13.09 Mbps	26.19 Mbps
<input checked="" type="checkbox"/> gre	8.47 Mbps	8.49 Mbps	16.96 Mbps
<input checked="" type="checkbox"/> icmp	4.90 Mbps	4.88 Mbps	9.78 Mbps
<input type="checkbox"/> ipv6	1.25 Mbps	1.24 Mbps	2.49 Mbps
<input type="checkbox"/> pim	25.68 Kbps	22.48 Kbps	48.16 Kbps
<input type="checkbox"/> igmp	22.89 Kbps	22.15 Kbps	45.04 Kbps
<input type="checkbox"/> eigrp	22.67 Kbps	22.35 Kbps	45.02 Kbps
<input type="checkbox"/> ah	22.20 Kbps	22.82 Kbps	45.01 Kbps