nic.br

Brazilian Network
Information Center

cgi.br

Brazilian Internet
Steering Committee

registro.br   cert.br   cetic.br   ceptro.br   ceweb.br   ix.br

7 members elected by the General Assembly ►► **ADMINISTRATIVE COUNCIL**

AUDIT COMMITTEE

ADMINISTRATION

LEGAL

COMUNICATION

ADVISORIES:
CGI.br and PRESIDENT

EXECUTIVE BOARD
1 2 3 4 5

registro.br
Domain Registration
IP Assignment

cert.br
Security and
Incident Response

cetic.br
Studies and Surveys
About ICT use

ceptro.br
Internet Engineering
and New Projects

ceweb.br
Web Technologies

ix.br
Traffic Exchange

W3C Brasil
Web Standards

1 Chief Executive Officer
2 Administrative and Financial Director
3 IT and Services Director
4 Director of Special Projects and Development
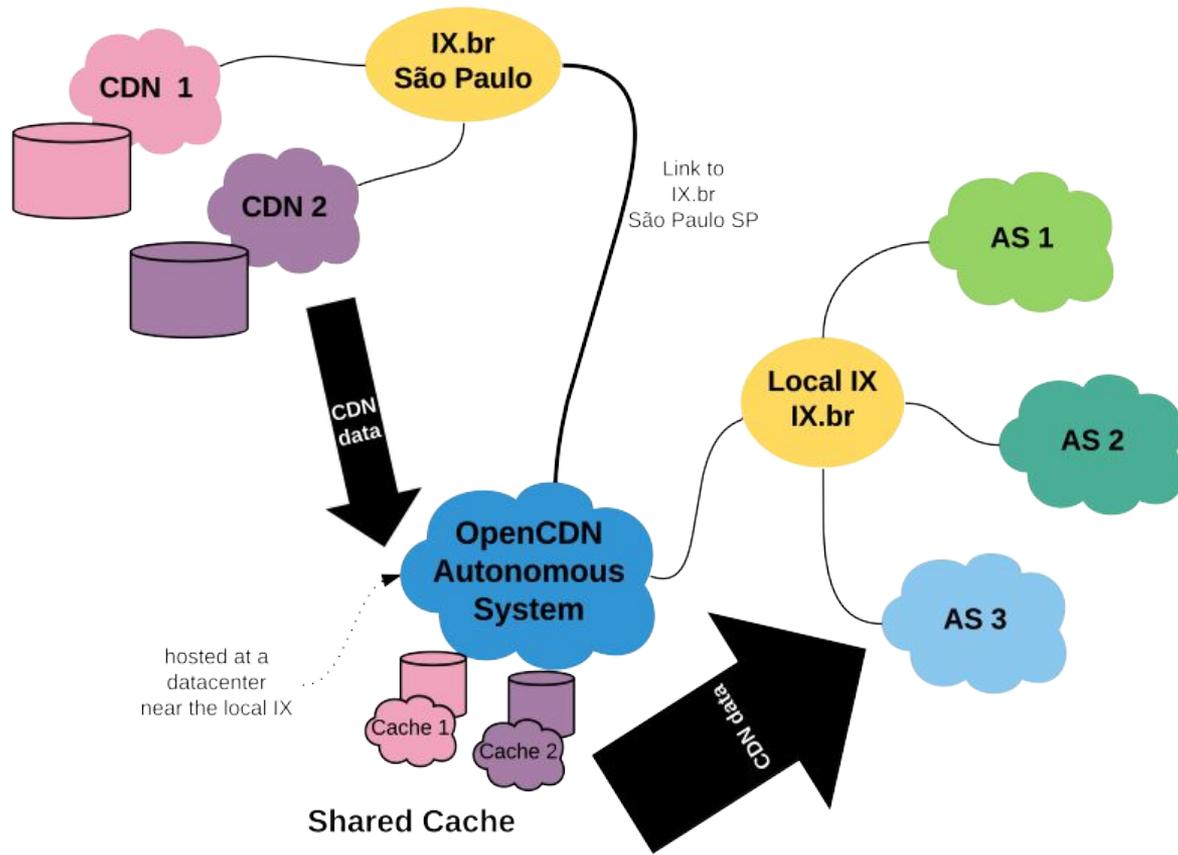**5** Consulting Director for CGI.br activities

OpenCDN
compartilhamento
de infraestrutura de caches

Antonio Marcos Moreiras

nic.br

CDN 1

IX.br
São Paulo

CDN 2

Link to
IX.br
São Paulo SP

AS 1

Local IX
IX.br

AS 2

CDN
data

OpenCDN
Autonomous
System

AS 3

hosted at a
datacenter
near the local IX

Cache 1

Cache 2

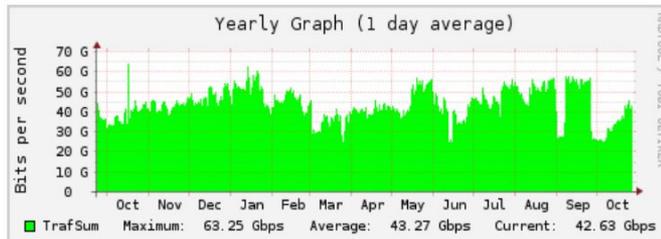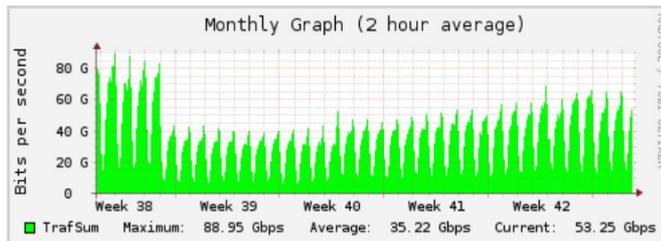CDN data

Shared Cache

nic.br cgi.br

Salvador

CDNs participantes: Akamai, Azion, Globo, Google, Netflix

Número de usuários diretos ativos:
- 31 (189 indiretos, 104 no PTT, 240 a 80km do PTT)

Valor praticado: ~~R$ 1,50/Mbps~~
                 R$ 0,80/Mbps

Monthly Graph (2 hour average)

TrafSum   Maximum: 88.95 Gbps   Average: 35.22 Gbps   Current: 53.25 Gbps

Yearly Graph (1 day average)

TrafSum   Maximum: 63.25 Gbps   Average: 43.27 Gbps   Current: 42.63 Gbps

Participantes ao longo do tempo
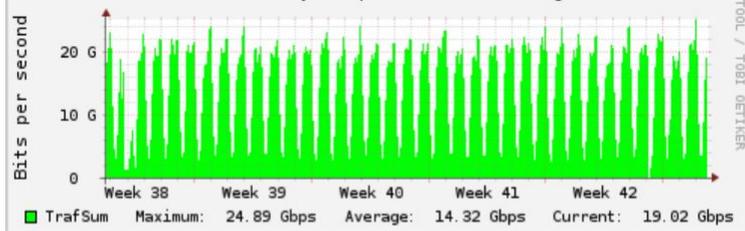
Manaus

CDNs participantes: Globo, Google, Netflix

Número de usuários ativos: 30 (38 indiretos, 54 participantes no PTT [41 antes do OpenCDN], 69 a 80km do PTT)

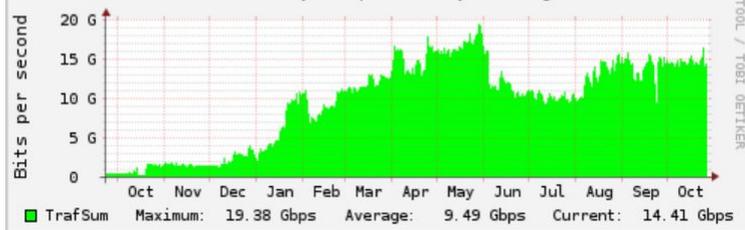Valor praticado: R$ 2,50/Mbps

Participantes ao longo do tempo

Monthly Graph (2 hour average)

Yearly Graph (1 day average)

Brasília

CDNs participantes: Netflix

Início da operação:
dez de 2021

114 AS no PTT de Brasília, 214 a 80km
45 AS no PTT de Goiânia, 154 a 80 km

Apenas 9 AS estão efetivamente usando!
Valor que será praticado: R$ 0,50/Mbps

nic.br cgi.br

Nome	São Paulo/SP	Rio de Janeiro/RJ	Fortaleza/CE	Porto Alegre/RS	Curitiba/PR	Salvador/BA	Manaus/AM	Brasilia/DF
Google	Google	Google	Google			OpenCDN	OpenCDN	aguardando
Netflix	Netflix	Netflix	Netflix	Netflix		OpenCDN	OpenCDN	OpenCDN
Facebook	Facebook	Facebook	Facebook					
Akamai	Akamai	Akamai	Akamai	Akamai	Akamai	OpenCDN		Akamai
Microsoft	Microsoft	Microsoft						
Globo.com	Globo.com	Globo.com	Globo.com	Globo.com	Globo.com	OpenCDN	OpenCDN	Globo.com
Amazon	Amazon	Amazon						
Azion	Azion	Azion	Azion			OpenCDN		
CacheFly	CacheFly							
CDNetworks	CDNetworks							
CentralServer	CentralServer							
Cloudflare	Cloudflare	Cloudflare	Cloudflare	Cloudflare	Cloudflare		**	**
Edgecast	Edgecast	Edgecast	Edgecast					
Fastly	Fastly	Fastly	Fastly		Fastly			
GoCache	GoCache	GoCache	GoCache		GoCache			GoCache
LinkedIn								
RiotGames	RiotGames							
SingularCDN	SingularCDN	SingularCDN	SingularCDN	SingularCDN			SingularCDN	
Softlayer	Softlayer							
Twitch	Twitch	Twitch	Twitch	Twitch				Twitch
Twitter	Twitter							
UPX	UPX	UPX	UPX			UPX		UPX
Yahoo	Yahoo	Yahoo	Yahoo					
Qwilt (TIM)								
Edgeuno	Edgeuno	Edgeuno	Edgeuno	Edgeuno	Edgeuno			Edgeuno
Alibaba_Cloud_CDN_	Alibaba_Cloud_CDN_	Alibaba_Cloud_CDN_						
CDNetworks	CDNetworks							
CDN77	CDN77							
TOTAL	28	18	15	7	6	1	1	6

Novas localidades em planejamento

Cuiabá

Belo Horizonte

Recife

Belém

Obrigado!

Antonio Marcos Moreiras
moreiras@nic.br
@moreiras na maior parte das redes sociais
https://www.linkedin.com/in/moreiras/

nic.br cgi.br