Argentine Internet Chamber

CÁMARA ARGENTINA DE INTERNET

KAIST GCC Conference and Workshop Daejeon, Korea July 12 – 14, 2017

CABASE



www.cabase.org.ar www.company.com

Brief History



- 1989 Association was established in Buenos Aires
- First called "Chamber of Database and Online Services"
- Members were BBS, Content and e-mail X.25 Providers
- No Internet available at that time
- By 1994 the entity had 47 members

The beginning of Internet in Argentina



- 1995 Internet bandwidth to Florida became available
- Telco charge for 64K link was U\$S 40.000 monthly
- First dial-up ISPs emerged
- Later that year first always on wired ISPs appeared
- Registration of Internet domains took off

The INTERCONNECTION issue



- All domestic Internet traffic routed via Miami
- An e-mail from one ISP to another was via Miami
- No local interconnection available
- In 1996 discussions began to establish IXP in CABASE
- In March 1998, the CABASE IXP was launched
- The IXP was in Buenos Aires, with 17 initial members

Evolution of the first CABASE IXP



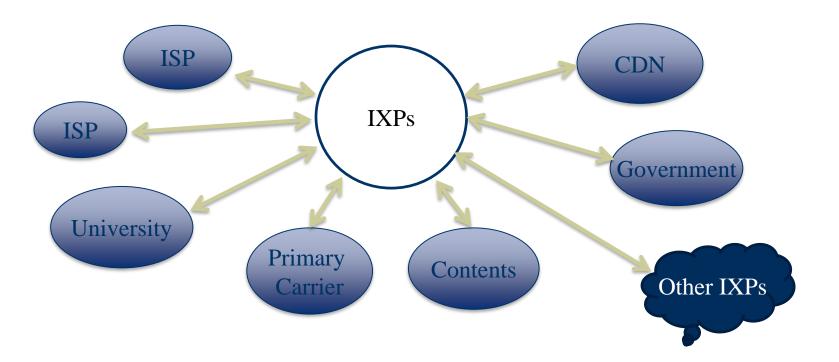
- Membership grew slowly over first years
- In 2000 both incumbent Telcos connected to IXP
- In 2005 Telcos decided to leave IXP and sell their "own" traffic
- Some smaller ISPs seemed then unable to survive
- The CABASE IXP resisted however, and grew again

Place Contents closer to the Consumer



IXPs:

- Building strategic Exchange Points among different Networks.
- Main Goal: Optimize Internet Routing Efficiency, and speed, and interconnection COSTS REDUCTION.



Bandwidth strategy: COUNTRYWIDE

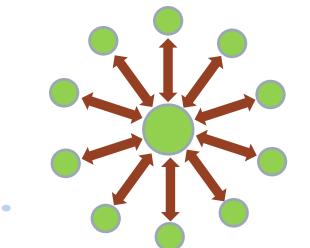


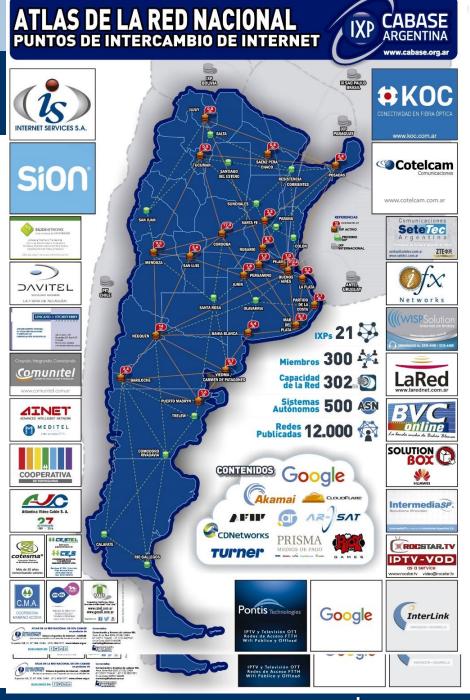
- In 2010 countrywide study of bandwidth conducted
- Network facilities not owned by Telcos detected
- First IXP in provinces set up in Neuquén in south
- Telco wholesale bandwidth charges reduced by 300% there
- This was noticed by ISPs all over Argentina (approx. 1600)

IXPs Growth

25 IXPs







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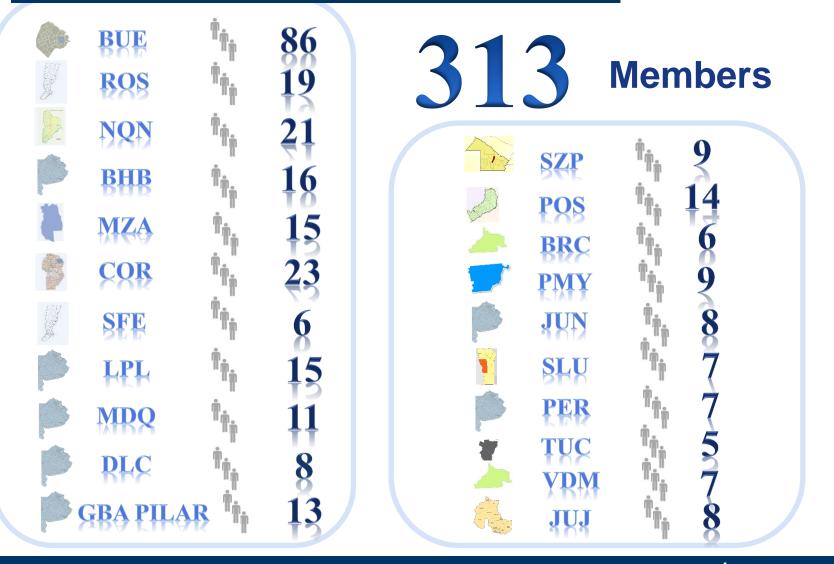
The national IXP explosion



- From 2011 on, other locations set up CABASE IXPs
- Initially these cities Bahía Blanca, Rosario and Mendoza
- Secondly Córdoba, Santa Fé, Mar del Plata, La Plata
- By 2017, there are 25 CABASE IXPs and 3 more in production
- All IXPs are interconnected through Buenos Aires

Current Members (mid 2017)









Traffic for Members Routed through CABASE IXPs Network



70%

TIER 1

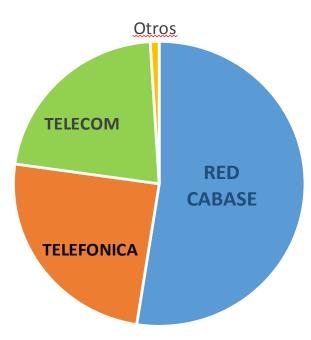
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CABASE Network Share



CABASE National Network **12.500.000 End Users**

CABASE Share



The addition of key local caches



- Success of IXP network supported by main CDNs
- First CDN to install servers locally was Google in 2011
- Second was Akamai in 2012
- Then Cloudflare, Riot Games, Turner
- This year Netflix, Yahoo and Amazon Web Services







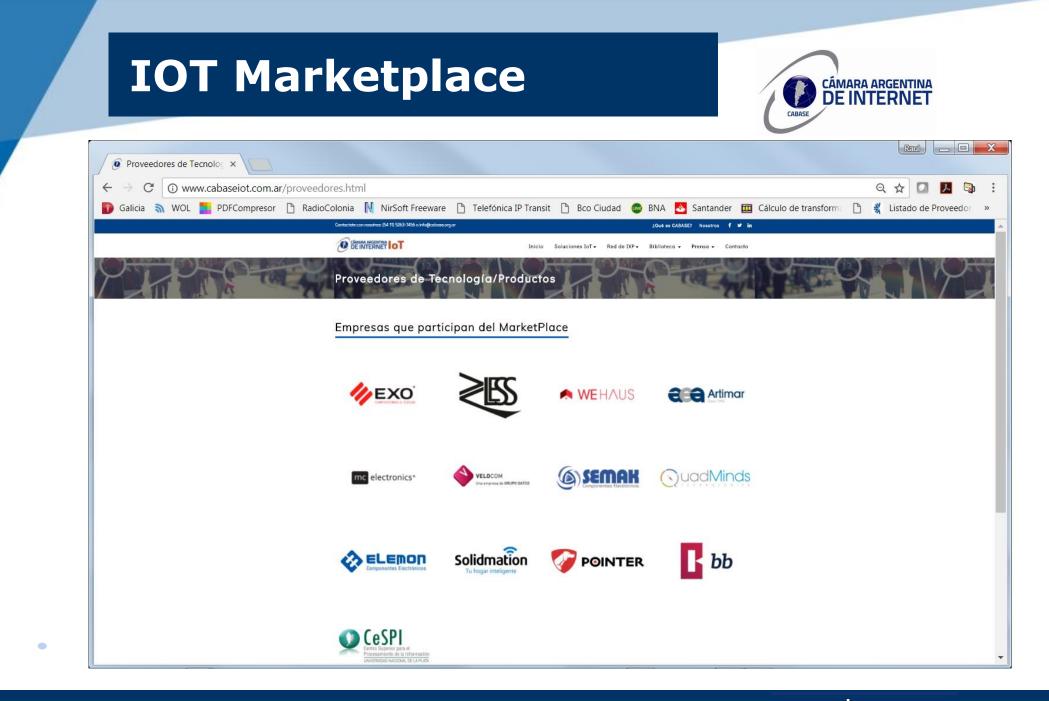
CABASE on IoT



- CABASE understands the strong upcoming of IoT
- Consequently, we started a line of action in this area
- WE call it "IoT Marketplace"
- Started 2016, It works as a meeting point among different players
- Solution providers, developers
- Equipment suppliers
- ISP and end user counterparts
- You can find it at: www.cabaseiot.com.ar



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Cooperation with KAIST





SUMMARY



• CABASE is not only a sector industry lobby Chamber

- We OPERATE a collaborative countrywide, fast-growing, Exchange Network WE MAKE THE INTERNET HERE
- CABASE encourages Internet Growth and Quality through continuous improvement, supported by its Members
- We are adding solutions, technology, and business lines to the Internet Industry
- We play a leading role in the regional arena, with active presence in the field (standards, governance, promotion)
- WE ENCOURAGE OUR FRIENDS FROM ABROAD TO JOIN US IN THIS FASCINATING ADVENTURE!!





THANK YOU!!

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Suipacha 128 3º F Buenos Aires, Argentina Tel: (54 11) 5263-7456 E-mail: info@cabase.org.ar

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