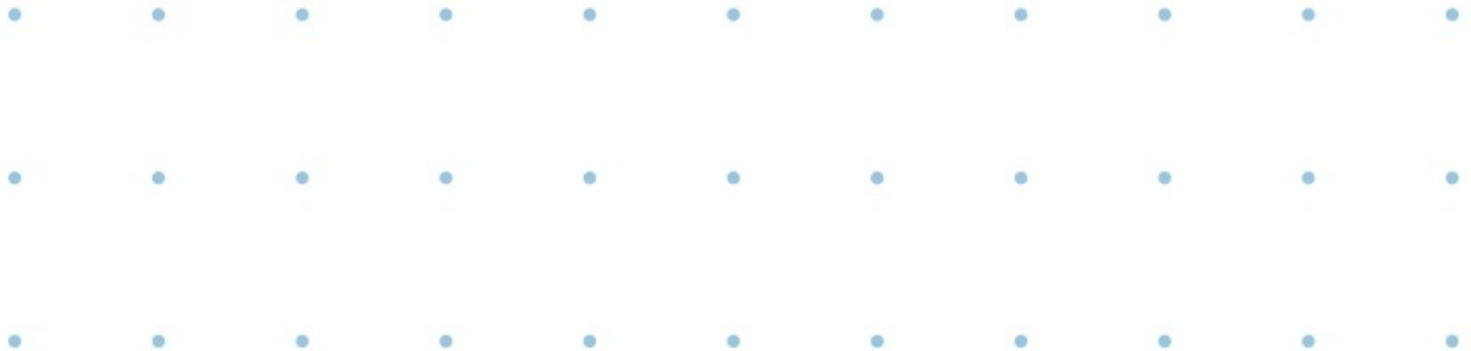


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Topics

- A brief description of NIC.py
- Currently
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 - Primary Servers
 - Secondary Servers
- Software
- State of Art
 - IDN
 - DNSSEC
 - EPP



A brief description of NIC.py

- At the RENACyT project (Red Nacional de Ciencia y Tecnología) it is mention the need for a local organization that manages the domains
- As the result, the CNC (*Centro Nacional de Computación, Universidad Nacional de Asunción*) and the LED (*Laboratorio de Electrónica Digital, Universidad Católica “Nuestra Señora de la Asunción”*) together formed the NIC.PY
- The IANA delegated management functions to NIC.PY at the early 90’s



A brief description of NIC.py

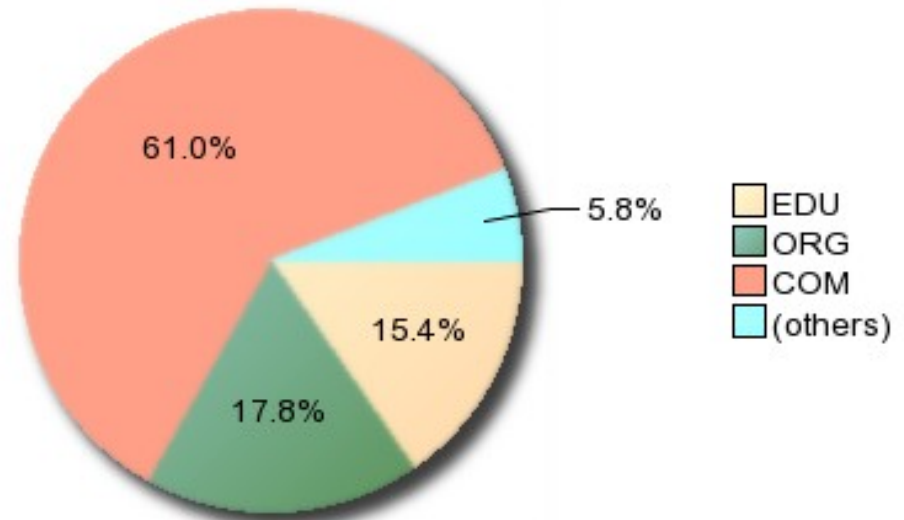
- By the year 1993 there were approx. 30 domains delegated
- In the beginning: traditional 2nd level domains:
 - {com,net,org,gov,mil,edi}.py
- Each domain request is reviewed
 - to avoid disputes
- Since may 2008: coop.py domains



Currently

- Delegated Domains

- edu: 153
- org: 523
- mil: 5
- coop: 8
- net: 37
- com: 6865
- gov: 132



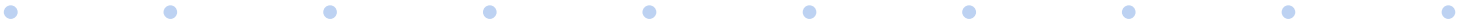
Hardware

- Primary Servers
 - Currently there are 2 primary servers at the CNC
- Secondary Servers
 - There are 6 secondary servers, all of them spread around the world.
 - Brazil, The Netherlands, U.S.A., Mexico, Switzerland and Sweden.



Software

- For the registry process administration:
 - we own a set of self-made Perl-CGI, PHP and JavaScript script's for the visual web-based administration.
 - and have an administration application based on a 4GL vision system.
- Our DBMS is currently an Ingres one but we are looking forward to move on a Postgresql based one.



State of the Art

- IDN
 - Actually the preparation are finished a time ago.
 - Next step is a consensus to measure the scope and other issues.
- DNSSEC
 - There has been local researches and even a master's thesis about the implementation of DNSSEC, but it isn't implemented yet.
 - We are looking in a short future to implement DNSSEC.
- EPP
 - Not implemented.



Thank you very much

