DNS Belgium
BNIX event 2018

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DNS Belgium organisation

- Philipssite 5, 3000 Leuven

  www.dnsbelgium.be

- Responsible for 3 TLDs:

  - .be

  - .vlaanderen

  - .brussels

- Total of 1.6 million registered domain names

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DNS Belgium organisation

- Mission

    - Operational and administrative management of the 3 TLDs

    - Making the internet more accessible

    - Support internet usage through the use of domain names

- Non-profit organisation (no governmental support)

- 32 employees

DNS Belgium organisation

- Our values

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3 TLDs

- Administrative management

    Registration platform

- Operational management

    DNS authoritative infrastructure

DNS Belgium – BNIX history

- 1999 – The founding members of DNS Belgium are

- 2003 - Partners

    Hosting and connectivity services for the brussels nameserver

- 2004 - IPv6 enabled

Jan Torreele (Belnet) is member of the DNS Belgium Policy Council
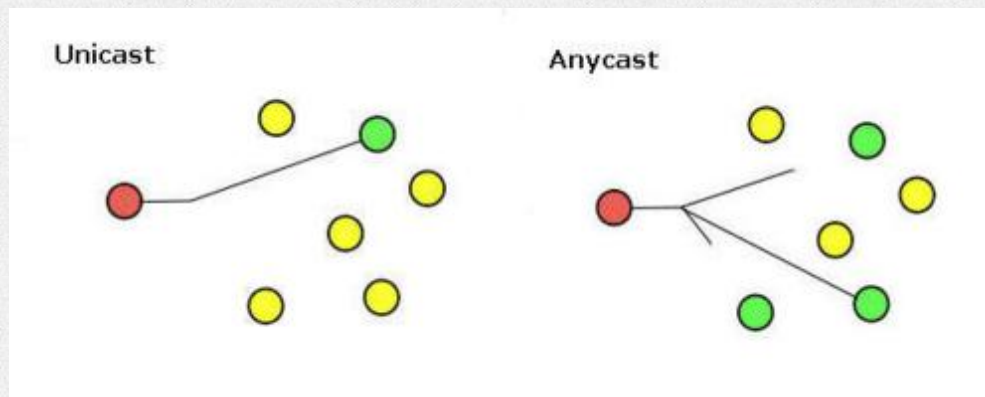
Auth NS infrastructure for 3 TLD zones

6 anycast clusters

- No more unicast servers since 2013

- 4 anycast clusters managed in house

  - consisting of 12 servers in 9 locations
  - BNIX, AMSIX, NIX.CZ, NL-IX, LINX, NetNod, MIX

- 2 clusters managed by third parties

  - Over 50 locations worldwide

Anycast

- Many machines, one IP

- Benefits

  - Connection is made to the nearest node

  - Resiliance

  - Ideal for DNS traffic

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DNS Belgium – BNIX

- Why is BNIX important for DNS Belgium ?

  Belgian ccTLD in the Belgian Internet Exchange

  - Provide fast and reliable DNS services

  - 3 anycast nodes in 3 different clusters connected on the BNIX network

  - Close to Belgian users

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Local Anycast Node

What ?

Ongoing project in which we provide transparent private access towards
our DNS infrastructure

Why ?

- DDoS mitigation

Who ?

- Initially for large Belgian ISP's

- Now also open for other parties

How ?

- Direct peering/private peering

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Local Anycast node

We are looking for strategic peering partners

Contact us :

network@dnsbelgium.be

END