



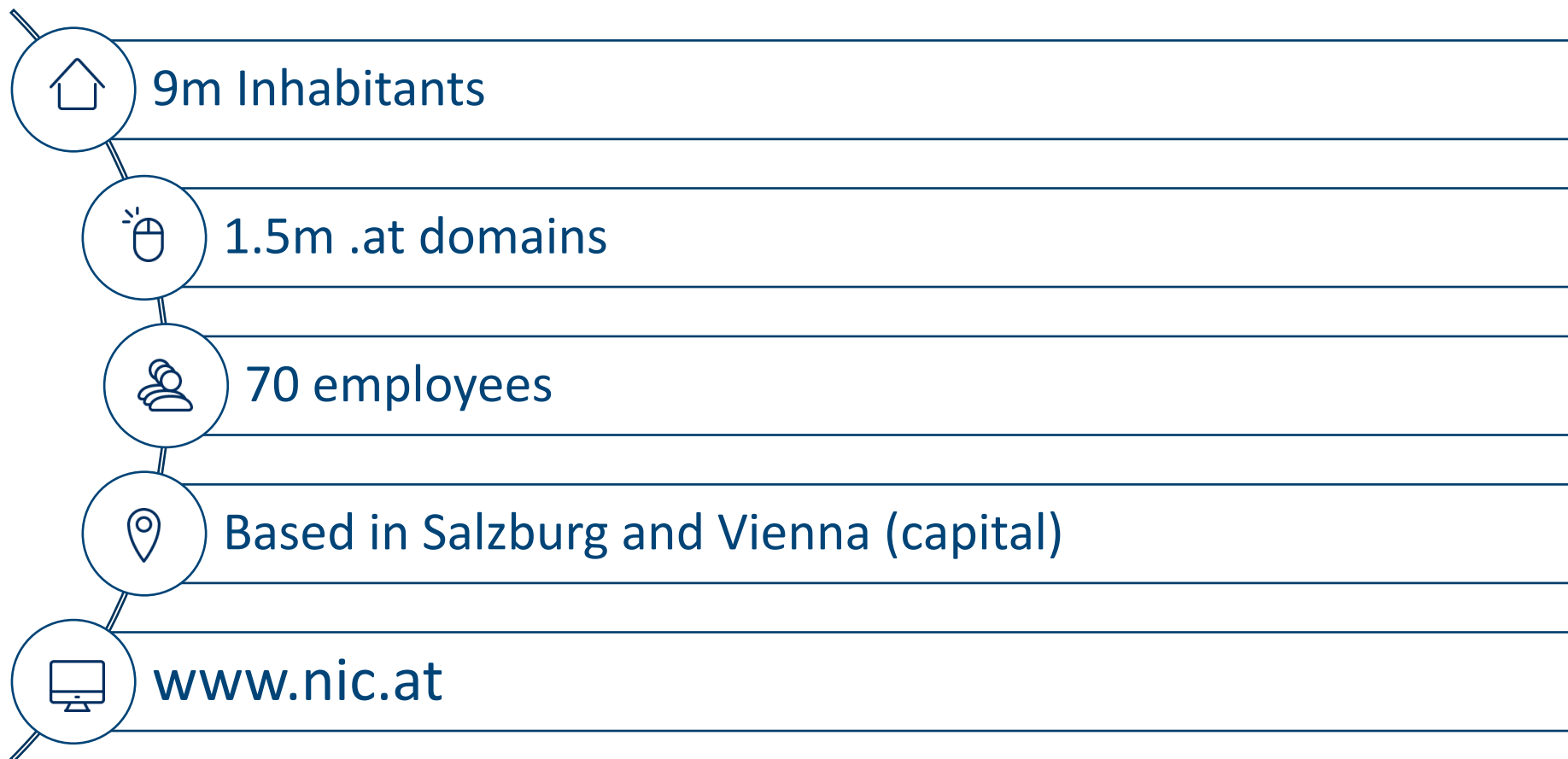
RcodeZero DNS

A diversification history

2024-02 · Christian Schöpp



nic.at – Registry for .at

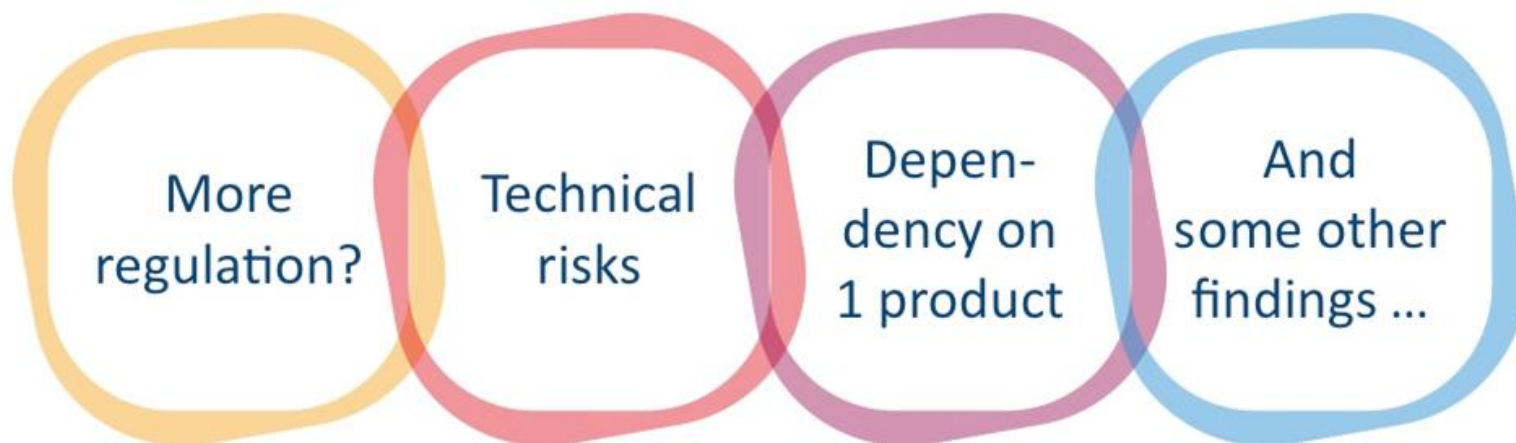


Many years ago....

Yet another single product Registry



Risk analysis showed...



The solution: Diversification!



RcodeZero DNS



Markets

- Most (western) TLDs already use one or more Anycast providers.
- But it won't help (much) if you just protect yourself.
- The bad guys will just go after your customers...



REGISTRIES



ISP/REGISTRARS



ENTERPRISES



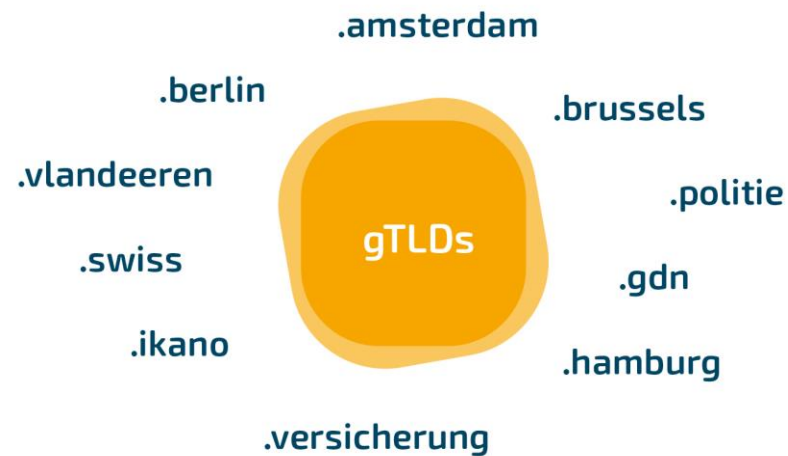
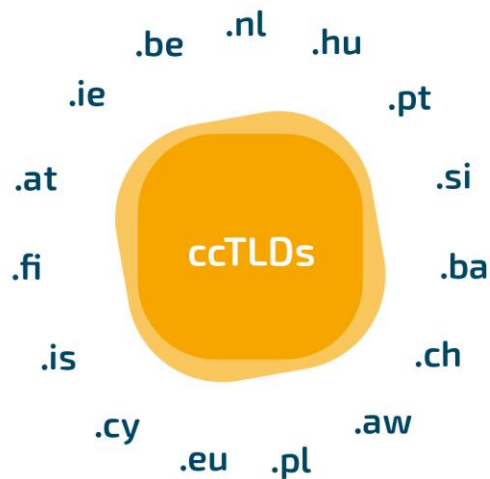
Clients & Solutions

Registries:

- Secondary Service
- For ccTLDs and gTLDs

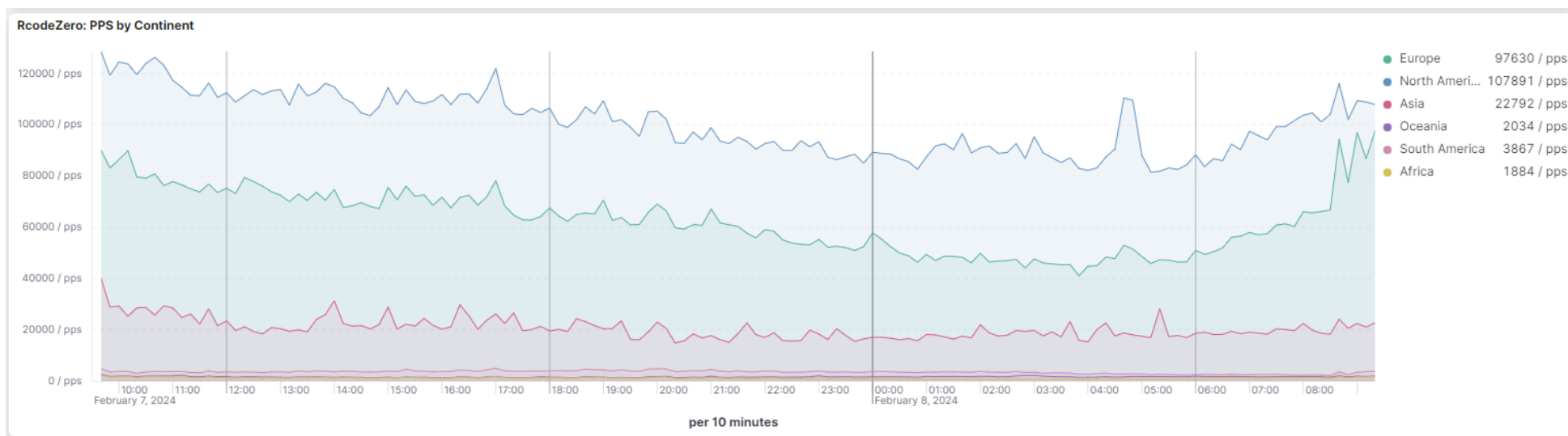
Enterprises, ISPs and Registrars:

- As Secondary or Primary service
- To add protection or to outsource



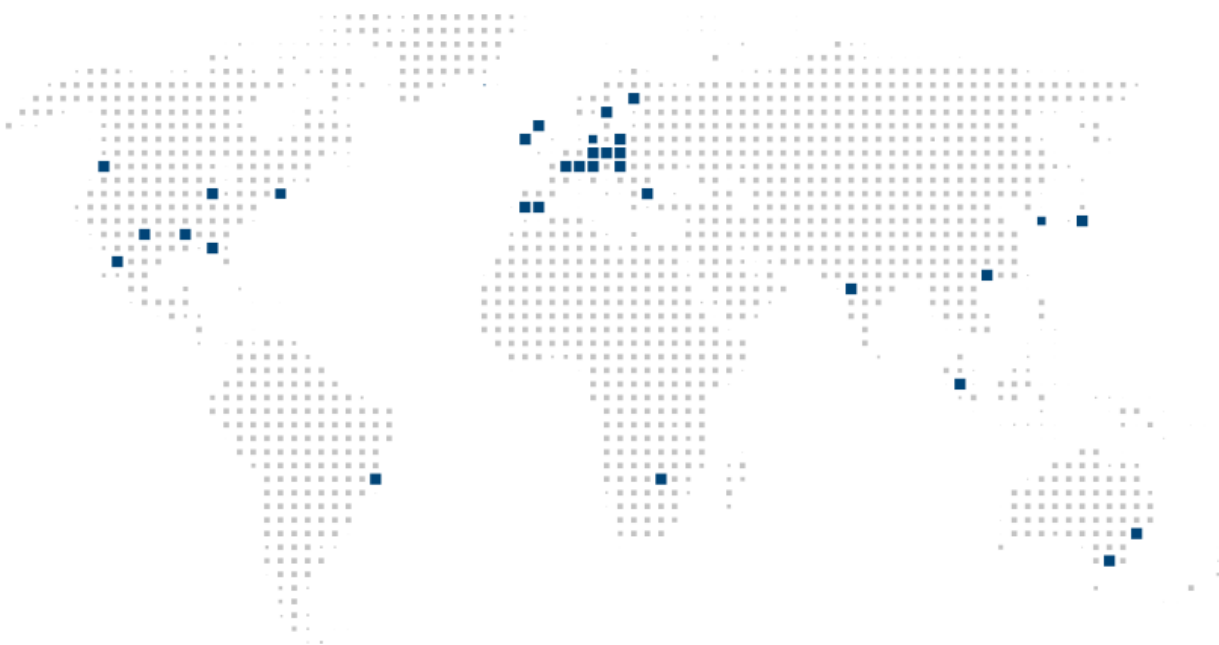
Go with the flow...

- Most traffic from the US
- **Asia** already #3 and growing...



35 nodes worldwide

for TLDs



Active

Amsterdam // Athens // Atlanta // Berlin // Chicago //
Dallas // Dublin // Frankfurt // Geneva // Hong Kong //
Johannesburg // Ljubljana // London // Los Angeles //
Madrid // Melbourne // Miami // Mumbai // New York //
Paris // Reykjavík // Rheintal // Salzburg // Sao Paulo //
Seattle // Seoul // Singapore // Stockholm // Sydney //
Tampere // Tokyo // Vienna // Warsaw // Zurich

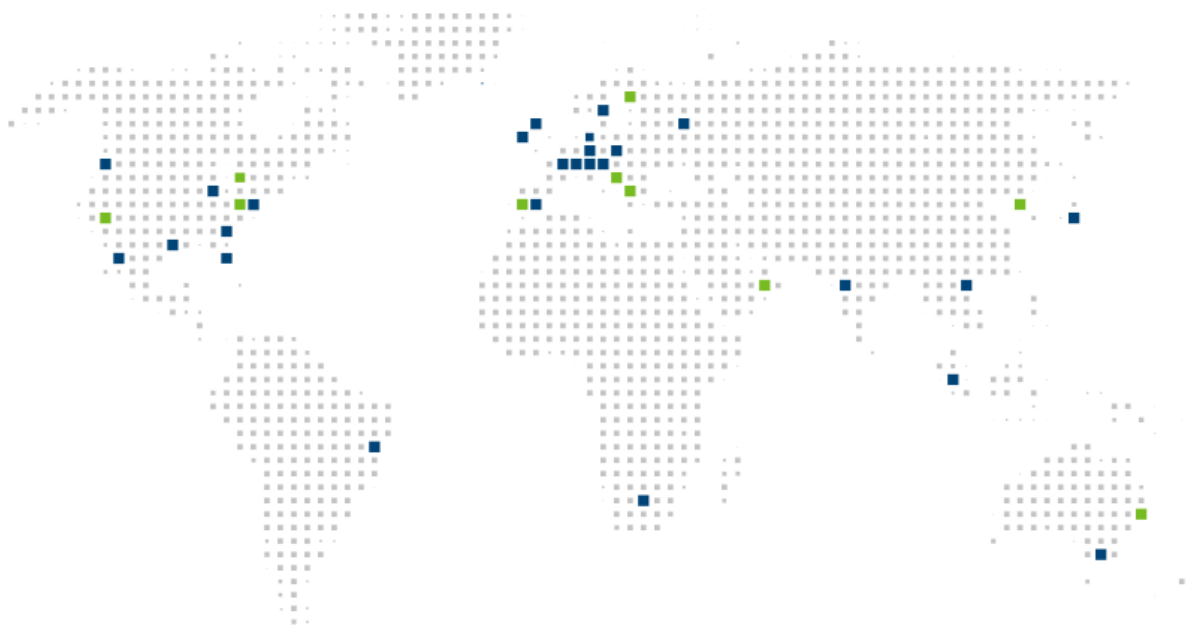
Coming soon

Lisbon

And maybe near you? Just contact us.

52 nodes worldwide

for Enterprises, ISPs and Registrars



Cloud 1

Amsterdam // Atlanta // Chicago // Dallas // Dublin // Frankfurt // Hongkong // Johannesburg // London // Los Angeles // Madrid // Melbourne // Miami // Moscow // Mumbai // New York // Paris // Reykjavik // Rheintal // Salzburg // Sao Paulo // Seattle // Singapore // Stockholm // Tokyo // Warsaw // Vienna // Zurich

Cloud 2











Amsterdam // Athens // Chicago // Dallas // Dubai // Frankfurt // Geneva // Hong Kong // Johannesburg // Ljubljana // London // Miami // Reston // San Jose // Sao Paulo // Seattle // Seoul // Singapore // Sydney // Tampere // Tokyo // Toronto // Vienna

Coming soon

Lisbon

Always amongst the Top players

Location: Austria Type: Raw Performance Resolver Simulation Uptime

	DNS name	Query Speed	0	20	40	60
1	RcodeZero	5.23 ms				
2	WordPress.com	5.43 ms				
3	Bunny DNS	5.94 ms				
4	Edgio	6.22 ms				
5	Edgecast	6.85 ms				
6	Cloudflare	7 ms				
7	Sectigo Premium	7.88 ms				
8	Exoscale DNS	10.73 ms				
9	Route53	11.8 ms				
10	Gcore	11.91 ms				

<https://www.dnsperf.com/>

In a nutshell

- We are a small TLD with a quick and efficient team
- We know what a TLD needs
- Transparent and fair costs (by zone/delegation)
- Don't forget your Registry (nic.tld) and your customers (ISPs, Registrars)

