YADIFA
A Domain Name Server

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EURid vzw/asbl

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Your European Identity

Y:A:D::I::F:A

- Name Server implementation
- Open source
  - BSD license
- Written from scratch
  - "All mistakes are our own" (or so we hope)
- Developped by EURid (.eu Registry)

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- **Design Goals (P1) ≈ "Public Slave"**
  - "Drop in replacement for any of the others"
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  - RFC compliant
    - Authoritative
    - DNSSEC support (as authoritative)
    - AXFR/IXFR support (as a slave)
  - Performance is important (TLD/root level)
  - (Zone) files as storage
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  - Interoperability is important
  - Implementation Diversity is important

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- **Design Goals (P2) ≈ "Hidden Master"**
  - Dynamic updates
  - Continuous/online DNSSEC signing

- **Design Goals (P3) ≈ "Operational Flexibility"**
  - Uninterrupted reload/reconfig
    - Adding/removing zones by editing the config file(s)
  - Dynamic Zone provisioning
    - A network protocol to (remotely) configure a name server (zone configuration/provisioning)

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- Design Goals (P4) ≈ "Tools & Libraries"
  - Full set of tools
    - Control utility
    - Dynamic Updates
    - DNS Query
  - "Building block" libraries
    Eg. Registration system -> operational DNS
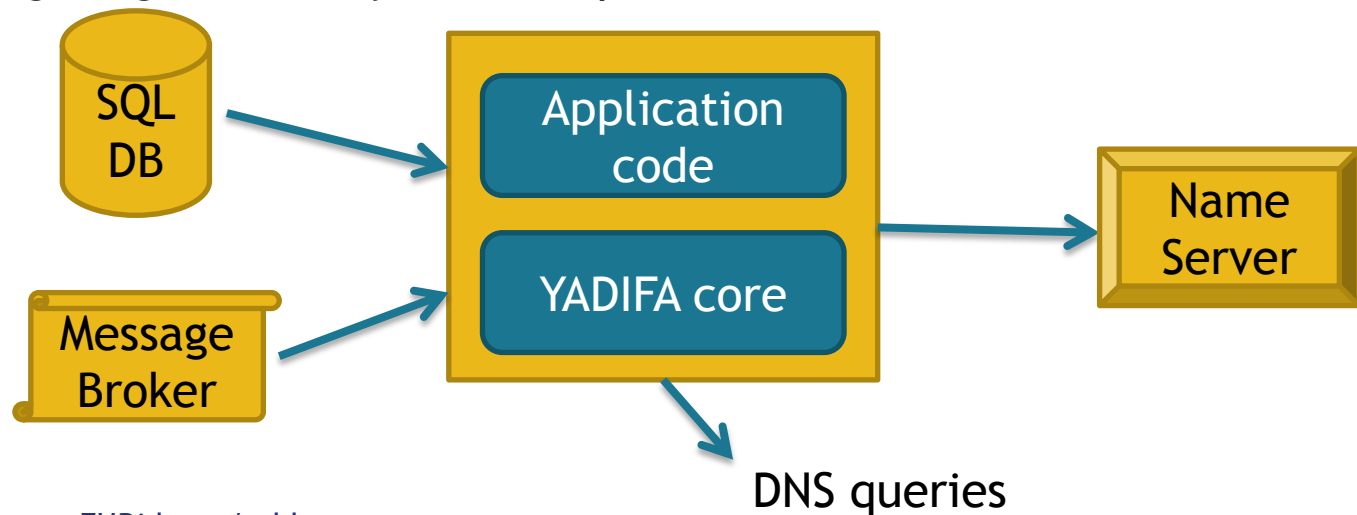
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- **Design Goals (P5) ≈ "The other side"**
  - Recursive
  - Validating