Alternative choice for BIND and NSD

- Implementation Diversity
- Public Authoritative Slave
  - AXFR/IXFR/Notify/TSIG
  - Interoperability
- Load from zone files
  - SOA, A, AAAA, NS, ...
  - Include, *, @, ...
- Large zone / high query load (TLDs)
- DNSSEC
  - NSEC, NSEC3
  - Algorithms (DSA, RSASHA256, RSASHA512)
Current functionality

- ACLs
- Dynamic Updates
- DNSSEC Online signing
- (Command line) Tools
  - DNS Queries
  - Dynamic Updates
  - (Remote) control
- Libraries
  - Basis for internal projects
- **Development**
  - Started around 2009
  - Written in C
  - Open source / BSD license
  - Portability

- **Developed by EURid (.eu Registry)**
  - 2 developers
  - .eu Test/R&D/Support/Web Team

- **Support**
  - (Bug) mailing list
  - No support contracts (yet)
First and foremost:
  - Authoritative public slave

But:
  - Add “useful” functionality

As long as:
  - Performance stays “ok”
  - Security is “maintained”

And:
  - Compile time “functionality choice”
- Uninterrupted reload/reconfig
  - Config files

- Dynamic Provisioning
  - Use DNS protocol to remotely configure zones + all parameters

- (SQL) database/MsgQ backend?

- Validating Resolver?

- Focus groups
  - Root / TLD operators
  - (Hosting) companies
.eu has YADIFA authoritative slave for over two years

- http://yadifa.eu
- info@yadifa.eu
- YADIFA-ANNOUNCE
- YADIFA-USERS
- YADIFAdns
- @YADIFAdns