

## 1. EPP Server

- EPP Server according to RFC 5730, 5731, 5732, 5733, 5734, 5910, 3915
- Runs on one or more nodes for load balancing
- Fully compliant with ICANN requirements for new gTLDs
- Support for client authentication with SSL certificates (TLS 1.2)
- Available in proxy mode, in which redirects all requests to another registry system. Suitable when registry wants to implement EPP very fast
- Support for EPP extensions and easy custom integration of new
- Supports any language for interface

## 2. WHOIS Server

- High-performance WHOIS server
- Runs on one or more nodes for load balancing
- Fully compliant with ICANN requirements for new gTLDs
- Easily adaptable output template
- Ability to search for domains, contacts, name servers and registrars
- Has access to an own copy of the registry database for isolation and security

- Supports port 43 and port 80/443 access
- Supports searchable WHOIS mode
- RDAP mode available
- Available in proxy mode, in which redirects all requests to another registry system. Suitable when registry wants to implement modern whois very fast
- Supports any language for interface
- In registrar mode supports access to PostgreSQL (local or Heroku Postgres), MySQL or MariaDB
- Optional search via Elasticsearch

## 3. Database

- Onoma runs on PostgreSQL 9.6.3 database with modern design
- Easy operation in both registry and registrar modes
- Conforming to all security requirements for databases
- Optional installation on Heroku Postgres

## 4. Control panel

- Registry and registrar control panel based on PHP 7.1, Bootstrap 4 and Laravel
- Standard operations to create, view, update and - delete domains, contacts, name servers and registrars

## TECHNICAL DATA SHEET

- Registry and registrar configuration system
- Supports any language for interface
- Supports currency exchange via ECB and VAT calculation
- Ticket tracking system
- Support for OAuth2, 2FA and 3FA
- Invoice generation system with API (InvoiceNinja). Emailing of invoices to registrars
- Billing module with payment systems integration (one-time and recurring [ChargeOver/Chargify/Recurly])
- Payment support via Stripe, Braintree, bank payments.
- Upload of registry documents and OCR via ocr.space
- Registrant verification (phone/SMS via Twillo or paper letter via lob.com)
- Supports WDRP and ERRP

### 5. Zone and DNSSEC

- Zone generation with near real-time updates
- DNSSEC signing is provided by OpenDNSSEC 2.1.3 with SoftHSM 2.3.0 or hardware HSM via Thales e-Security
- System generates the zone, sends zone to signer via AXFR/IXFR and then to DNS cloud

- Fully compliant with ICANN requirements for new gTLDs

### 6. TMCH

- Full support for ICANN gTLD TMCH requirements, available for registry and registrar

### 7. Reporting

- Full support for ICANN gTLD reporting requirements
- In registrar mode can export registration statistics and trends, accessible via remote API
- Connected to SenseiStats for deeper insight into the registered domains

### 8. Tools

- PHP toolkit and EPP client
- Logging via Logstash

### 9. Escrow

- Full support for ICANN escrow requirements, for registry and registrar modes.
- Supported providers: NCC Group, DENIC and Iron Mountain

### 10. IDN

- Full support for ICANN gTLD IDN requirements and IDNA2008
- Complies with RFC 5890 and 5891