



# Using FRED as an EPP implementation

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## Using FRED as an EPP implementation

### FRED

EPP implementation by NIC-CZ

Developer: Jaromir Talir

EPP with extensions

- Nsset

C++ and Python, PostgreSQL

Many components: Apache modules, SSL, Corba, Whois

Command-line interfaces (fred-admin, fred-client)

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### FRED

Fred-admin: registrars, zones, billing, etc.

Fred-client: contacts, nssets (agrupation of hosts), domains

Each registrar manages its data

Command-line help

Transfer of data to another registrar

Only one registrar now (NIC-CR)

Plans to have other registrars in the future

- Use fred-client as an interface, not EPP protocol)

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NIC-CR application

Java-based (OpenJDK + Tomcat + Velocity)

MySQL 5

Home-made

Two-level and three-level domains

Tables were previously generated by hand

- Prone to error
- Now automatically generated by FRED (genzone\_client)

FRED used as middleware

Plans for substituting decade-old app with a Drupal-based one

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### Conclusions:

- A solid EPP implementation
- Yet, very friendly to end-users
- Fred-client is excellent for using registrars; fred-client as middleware
- FRED is good by itself or middleware