Using FRED as an EPP implementation

Mario A. Guerra

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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