

The Search for a Registry  
Solution:  
Experiences of a Small ccTLD

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# Why a New System was Required

- Numerous Problems with Current System
  - “Buggy” (example: “creative” Expiry Dates)
  - Primitive Accounting Modules
  - No Support for EPP

# Many Choices Available

- Vendor solutions
  - e.g., Afilias, Neustar, Verisign-GRS, etc.
- Other Solutions
  - FRED
  - CoCCA
  - OpenEPP
  - Webcc
  - NZRS

# Principal Requirements

- Support for “Thick” Registry Model
- EPP Support
- Open Source
- “Real” Database backend
- Ability to host system on Registry controlled equipment
- IDN Support

# Narrowing the Choices

- FRED
- CoCCA

# Making the Selection

- Technology Considerations
  - FRED
    - Python and C
    - PostgreSQL
    - OmniORB
  - CoCCA
    - Java
    - PostgreSQL
    - Resin
- Registrar Consultation
  - CoCCA was favored
- ccTLD Operator Consultation

# “Real” Work Has Just Begun

- Many outstanding tasks
  - Clean up of existing data; migration
  - Test environment for Registrars
  - Data Center rebuild (from Solaris to Linux)
  - Operational Changes
  - Policy Updates and Changes
  - Registrar education

# Yet More Tasks...

- Cutover and fallback planning
- New Registry web site
- Final data capture and cutover

# Expected Benefits

- Increased Registry Growth
- Happy Registrars
- Fewer things needing to be handled manually by me
- Reliable system; reliable data
- Closer adherence to “best practices”