An EPP solution for co.za

- Background and Introduction
- Problem Statement
- Approach
- Implementation
- Architecture
- Policy Framework
- Benefits
Background and Introduction

- co.za registry – over 650 000 domain names
- Administrator of co.za since 1995
- Systems evolved organically (bottom up)
- Regulatory Uncertainty
- De-facto Rars – informal relationship
- Post payment system
- E-mail interface
Problem Statement

- Scalability
- Stagnation – policy, systems
- Sustainability – shortcomings, abuses, lack of formalisation
- Industry Demands
- Regulatory Pressure
- Skills development and retention
- Legacy System Investment and Maintenance
Approach

- Standards Based - EPP
- Technical Research and Benchmarking
- Policy Research and Development
- Stakeholder Engagement
- Implementation wider than just co.za
- Local Resources
- Local and Regional Skills Development
Implementation

- Separate EPP Interface and Message Validation
- Separation of Policy Framework from Policy Implementation
- Structured Policy Definition – assembly of EPP primitives
- Automated Policy Document Generation
- Automated Test Suite Generation
Architecture
Policy Framework
Policy Editor
Policy Test Framework
Benefits

- Structured Standards Based Registry System Assembly
- Automated Registry Documentation Generation
- Automated Registry Test Suite Generation
- Multiple Concurrent Policies
- Separation of Skills
- Participation of RARs
- http://registry.coza.net.za