RESTful WHOIS
1. Restful Whois introduction
2. How do registries use
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Restful Whois - Introduction

-Advantages of Restful Whois
  - Uniform, Structured Response
  - Support IDN
  - Authentication and Authorization
  - Privacy Protected

http://restwhois.ngtld.cn/domain/测试.网络
**Restful Whois - Architect**

- Modular Design
  - **Clear Structure**
  - Reusable Components
  - Easy Maintenance
- Layered Design
  - Extendibility

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**Layers of Restful Whois Service**

- **Presentation Layer**
  - Request Filter
  - Rest Api
    - Query
    - Search
    - Update

- **Business Layer**
  - Service
    - Query
    - Search
    - Redirect
    - Update
    - Validator
    - Policy
    - Bootstrap
    - Auth

- **Data Access Layer**
  - DAO
  - Database

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**Common Components**

- Model
- DTO
- ParamParser
- Util
**Restful Whois - Extension**

- **Function Extensible**
  - Configure filters to implement Personalization
- **Fields Extensible**
  - DB can support extensible fields

```json
{
  "modified": "2010.01",
  "expires": "2030.01"
}
```
How do registries use it - method 1

Registry should develop this module to update data

Registrar user
How do registries use it-method 2

Modify Restful Whois DAO to access registry DB directly
How do registrars access Restful Whois

- Restful Whois service
  - Uniform query and response
  - Access with HTTP protocol more easily than TCP in web development

- Access Method
Project Information

• Project information
  – We have finished Version 1.0.

• License
  – FreeBSD

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