



# RESTful WHOIS



**1、 Restful Whios introduction**

**2、 How do registries use**

**3、 How do registrars access**

**4、 Project information**

- Advantages of Restful Whois

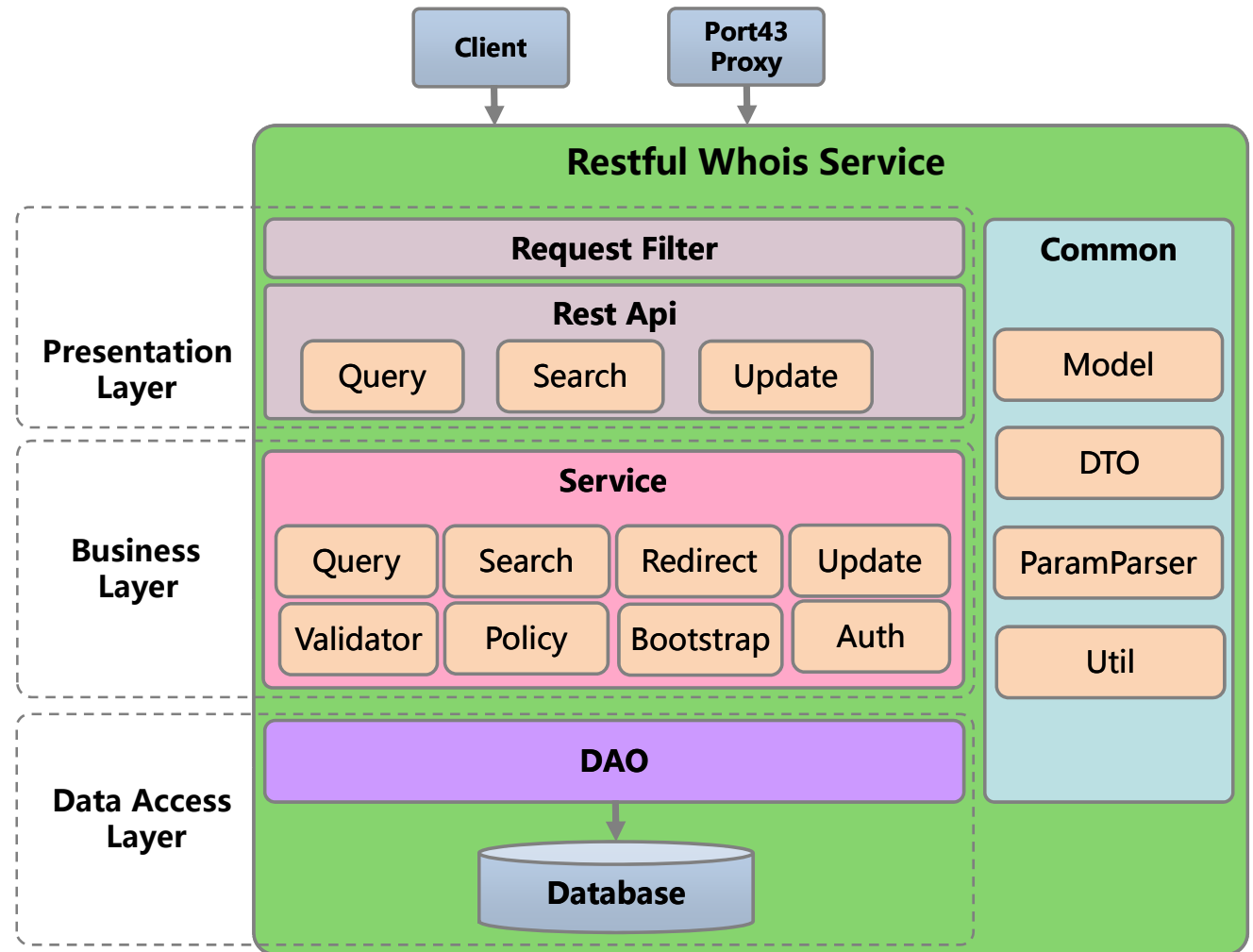
- Uniform, Structured Response
- Support IDN
- Authentication and Authorization
- Privacy Protected

<http://restwhois.ngtld.cn/domain/测试.网络>

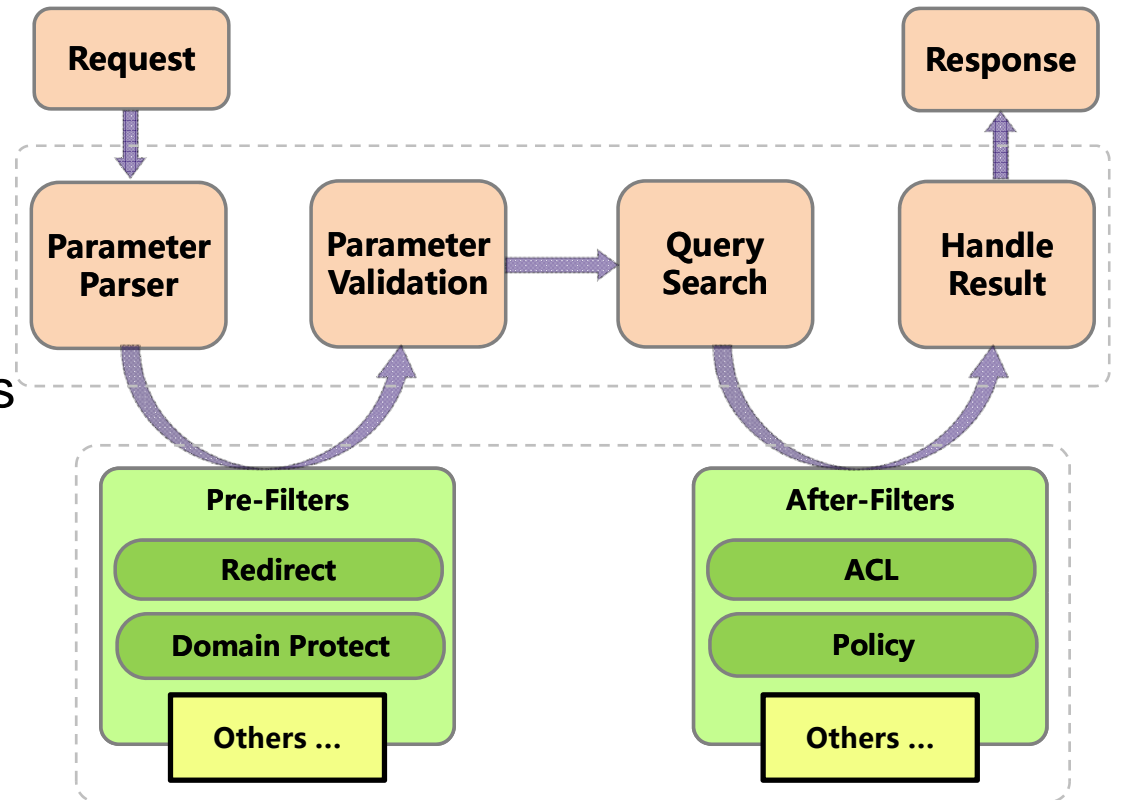
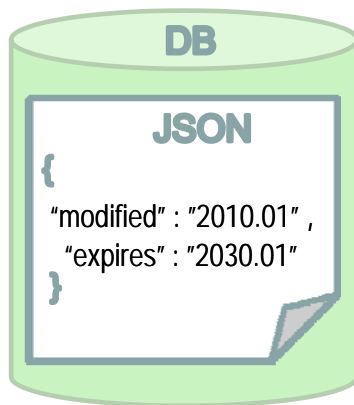
```
{
  rdapConformance : > ["rdap_level_0"],
  objectClassName : "domain",
  handle : "43077",
  ldhName : "xn--0zwm56d.xn--io0a7i",
  unicodeName : "测试.网络",
  nameservers : > [
    > { objectClassName : "nameserver", ldhName : "ns2.guoxuwang.com", links : [ { value
    > { objectClassName : "nameserver", ldhName : "ns1.guoxuwang.com", links : [ { value
  ],
  entities : > [
    > {
      objectClassName : "entity",
      handle : "aeldjy",
      vcardArray : > [
        > [
          > [ {}, "version", "text", "4.0" ],
          > [ {}, "fn", "text", "王晴曦" ],
          > [ { type : "work" }, "adr", [ "", "" ],
          > [ { type : "text" }, "tcl", "uri",
          > [ {}, "email", "text", "kqian@afili
          > [ {}, "org", "text", "爱尔兰移动顶级
        ]
      ]
      "vcard"
    },
    roles : > ["registrant", "administrative", "t
  ],
  > { objectClassName : "entity", vcardArray : [ [
```

```
Domain Name: 测试.网络
Puny Name: xn--0zwm56d.xn--io0a7i
Domain ID: 43077
WHOIS Server: whois.guoxuwang.cn
Creation Date: 2014-08-20T16:00:00Z
Registry Expiry Date: 2016-08-20T16:00:00Z
Sponsoring Registrar: Beijing Guoxu Network Technology
Sponsoring Registrar IANA ID: 1494
Creation Registrar: 北京国旭网络科技有限公司
Domain Status: clientDeleteProhibited
Domain Status: clientTransferProhibited
Registrant ID: aeldjy
Registrant Name: 王晴曦
```

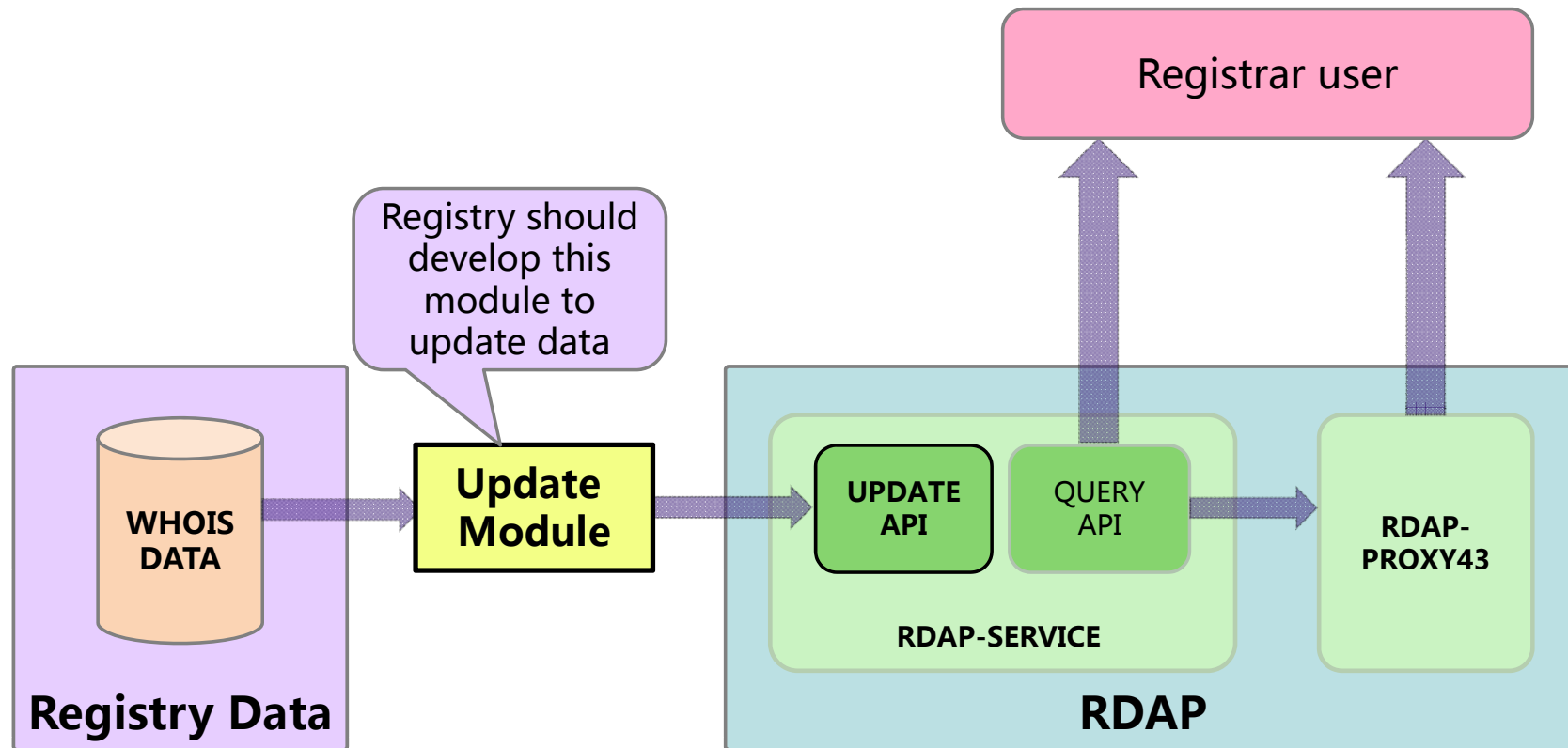
- Modular Design
  - Clear Structure
  - Reusable Components
  - Easy Maintenance
- Layered Design
  - Extensibility



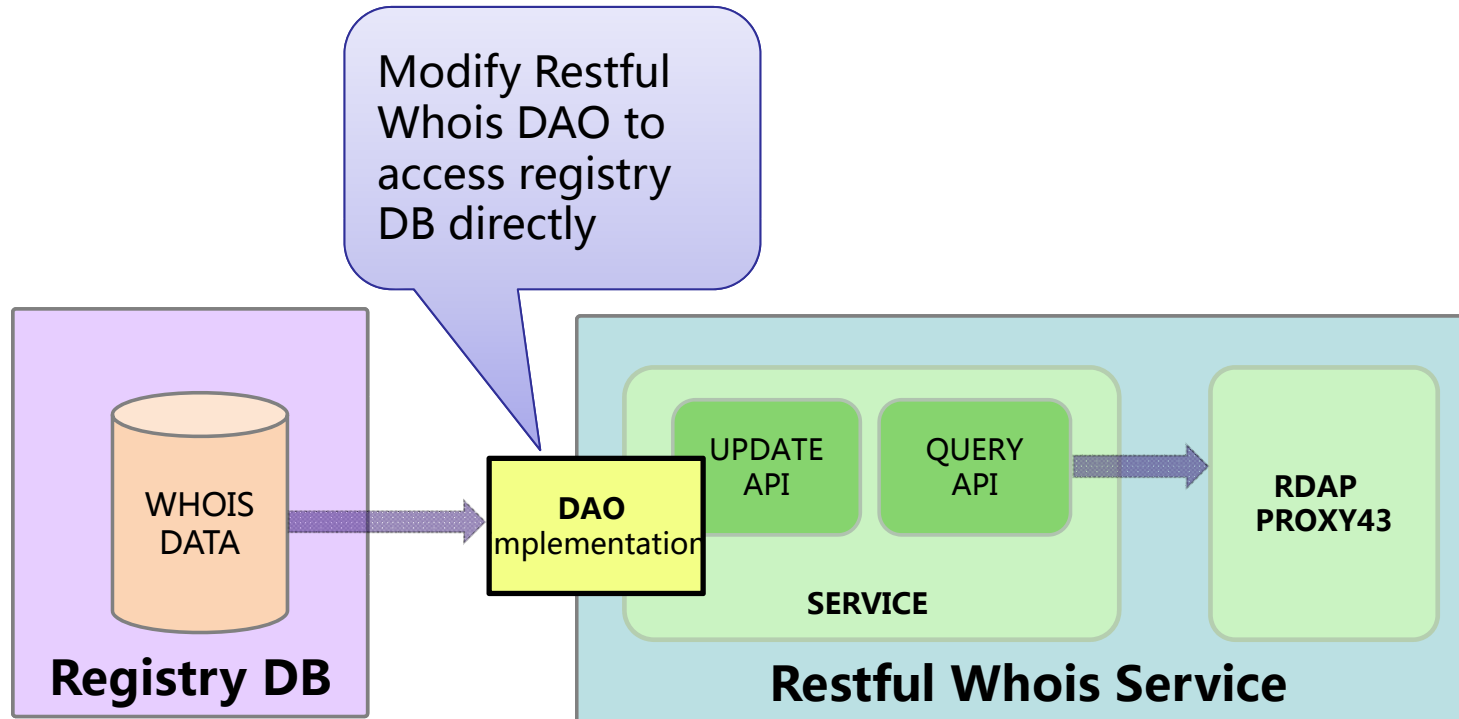
- Function Extensible
  - Configure filters to implement Personalization
- Fields Extensible
  - DB can support extensible fields



# How do registries use it-method 1

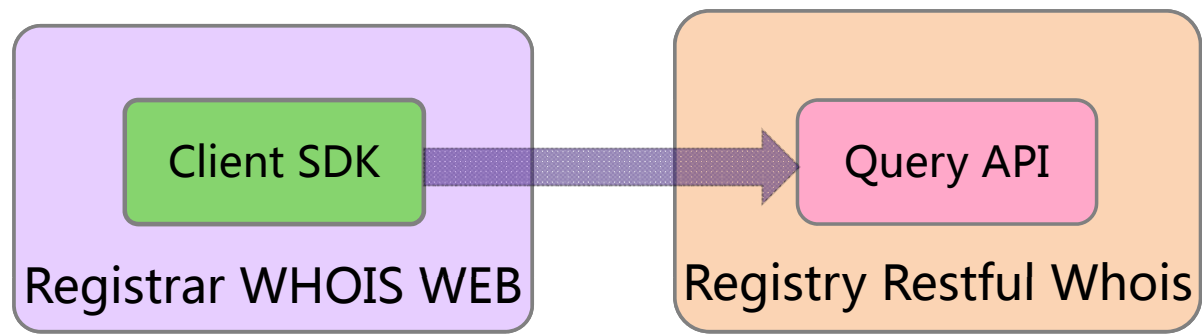


# How do registries use it-method 2



# 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 Mothod





- Project information
  - <http://github.com/cnnic/rdap>
  - We have finished Version 1.0.
- License
  - FreeBSD
- Email:
  - [yangweiping@cnnic.cn](mailto:yangweiping@cnnic.cn)