

# EPP Reseller Mapping & Reseller Extension

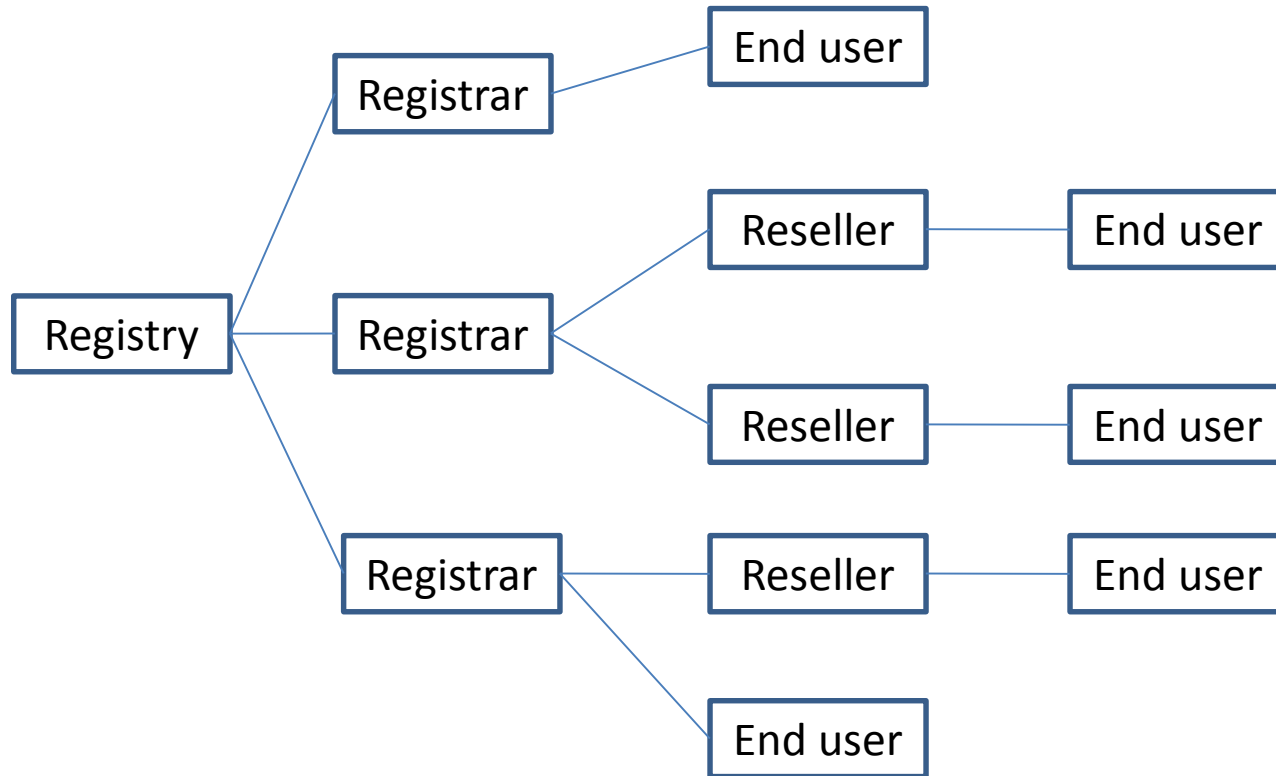
Ning Kong

IETF93 EPPEXT @ Prague

# Background

- The thought of reseller extension was first mentioned at ROW@Dallas
- Received some interests from ROW and EPPEXT mailing list
- WG discussion & 01-version submitted
  - draft-zhou-eppext-reseller-mapping-01
  - draft-zhou-eppext-reseller-01

# Background



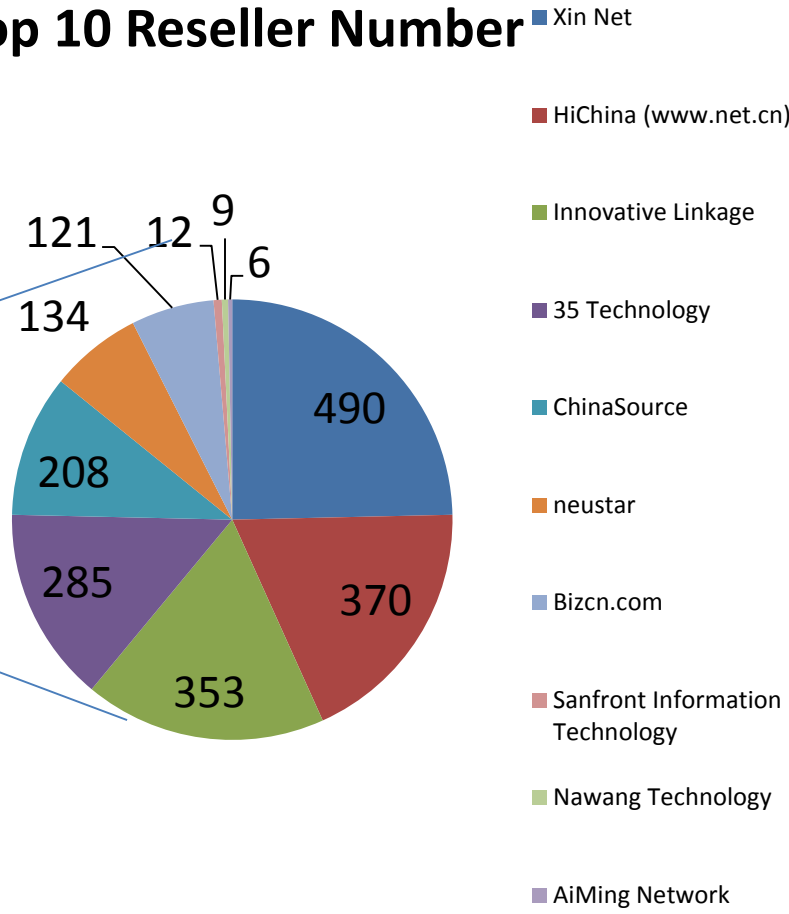
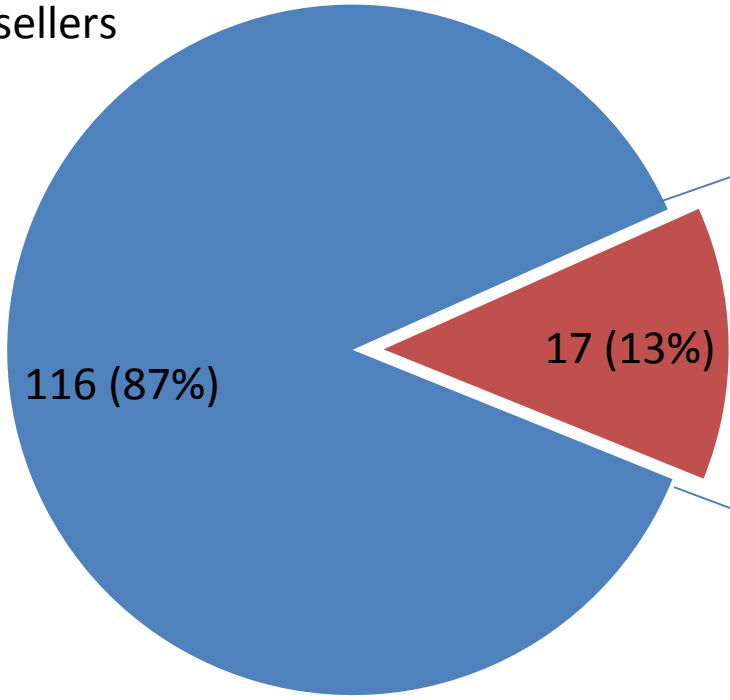
Reseller: domain reseller who help registrar to sell domains to end users.

# Background

### 133 Registrars of CNNIC

### Top 10 Reseller Number

- no resellers
- having resellers



# Problem Statement

- CNNIC's registrars may have lots of resellers to help them sell domains
- Resellers provide registration information via registrar's EPP client
- Registrars are concerned about how to identify resellers in CNNIC's EPP server
- End users would be confused by the WHOIS service without corresponding reseller information
- No definition of reseller in existing EPP RFCs
- Out of band method may increase cost

# Two Drafts

- draft-zhou-eppext-reseller-mapping
  - EPP mapping for provisioning and management of reseller object
- draft-zhou-eppext-reseller
  - An extension to EPP
  - support assigning a reseller to any existing object (domain, host, contact)

# draft-zhou-eppext-reseller-mapping

- reseller object
  - <reseller:id>
  - <reseller:state>
    - ok/readonly/terminated
  - <reseller:parentId>
  - <reseller:postalInfo>
  - <reseller:url>
  - <reseller:contact>
    - admin/billing/tech
- Command support
  - <transfer> and <renew> are not supported

# draft-zhou-eppext-reseller-mapping

- `<info>` command

C:<?xml version="1.0" encoding="UTF-8" standalone="no"?>

C:<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">

C: <command>

C: <info>

C: <reseller:info

C: <xmlns:reseller="urn:ietf:params:xml:ns:reseller-1.0">

C: <reseller:id>res1523</reseller:id>

C: </reseller:info>

C: </info>

C: <clTRID>ABC-12345</clTRID>

C: </command>

C:</epp>



# draft-zhou-eppext-reseller-mapping

## •<info> response

```
S:<?xml version="1.0" encoding="UTF-8" standalone="no"?>
S:<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S: <response>
S: <result code="1000">
S: <msg>Command completed successfully</msg>
S: </result>
S: <resData>
S: <reseller:infData
S: xmlns:reseller="urn:ietf:params:xml:ns:reseller-1.0">
S: <reseller:id>res1523</reseller:id>
S: <reseller:roid>res1523-REP</reseller:roid>
S: <reseller:state>ok</reseller:state>
S: <reseller:parentId>1523res</reseller:parentId>
S: <reseller:postalInfo type="int">
S: <reseller:name>Example Reseller Inc.</reseller:name>
S: <reseller:addr>
S: <reseller:street>123 Example Dr.</reseller:street>
S: <reseller:street>Suite 100</reseller:street>
S: <reseller:city>Dulles</reseller:city>
S: <reseller:sp>VA</reseller:sp>
S: <reseller:pc>20166-6503</reseller:pc>
S: <reseller:cc>US</reseller:cc>
S: </reseller:addr>
S: </reseller:postalInfo>
```

```
S: <reseller:voice x="1234">+1.7035555555</reseller:voice>
S: <reseller:fax>+1.7035555556</reseller:fax>
S: <reseller:email>contact@reseller.example</reseller:email>
S: <reseller:url>http://reseller.example</reseller:url>
S: <reseller:contact type="admin">sh8013</reseller:contact>
S: <reseller:contact type="billing">sh8013</reseller:contact>
S: <reseller:clID>ClientY</reseller:clID>
S: <reseller:crID>ClientX</reseller:crID>
S: <reseller:crDate>1999-04-03T22:00:00.0Z</reseller:crDate>
S: <reseller:upID>ClientX</reseller:upID>
S: <reseller:upDate>1999-12-03T09:00:00.0Z</reseller:upDate>
S: <reseller:disclose flag="0">
S: <reseller:voice/>
S: <reseller:email/>
S: </reseller:disclose>
S: </reseller:infData>
S: </resData>
S: <trID>
S: <clTRID>ABC-12345</clTRID>
S: <svTRID>54322-XYZ</svTRID>
S: </trID>
S: </response>
S:</epp>
```

# draft-zhou-eppext-reseller

- Extension for RFC5731-RFC5733
  - <resellerext:id>
  - optional <resellerext:name> (<info> response supported only)

# draft-zhou-eppext-reseller

- `<info>` response

```
S:<?xml version="1.0" encoding="UTF-8" standalone="no"?>
S:<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S: <response>
S: ...
S: <resData>
S: ...
S: </resData>
S: <extension>
S: <rgp:infData xmlns:rgp="urn:ietf:params:xml:ns:rgp-1.0">
S: <rgp:rgpStatus s="addPeriod"/>
S: </rgp:infData>
S: <resellerext:infData xmlns:resellerext="urn:ietf:params:xml:ns:resellerext-1.0">
S: <resellerext:id>myreseller</resellerext:id>
S: <resellerext:name>example</resellerext:name>
S: </resellerext:infData>
S: </extension>
S: <trID>
S: <clTRID>ngcl-lvJzMZc</clTRID>
S: <svTRID>test142AWQONJZ</svTRID>
S: </trID>
S: </response>
S:</epp>
```

# Relationship

- A reseller object defined in draft-zhou-eppext-reseller-mapping should be created first.
- The reseller information specified in draft-zhou-eppext-reseller should reference the existing reseller identifier and reseller name.
  - <reseller:id> ↔ <resellerext:id>
  - <reseller:name> ↔ <resellerext:name>

# Next Step

- CNNIC has implemented the EPP extensions of reseller since 2003.
- Patrick Mevzek announced that the Perl open source domain name toolkit Net::DRI which includes an EPP client supports the EPP extensions of reseller in May 2015.
- WG adoption?

Thank you!

Questions or comments?