

# RDAP Bootstrap

draft-ietf-weirds-bootstrap

Marc Blanchet  
Guillaume Leclanche \*  
Viagénie

London IETF, 2014-07-23

# History

- The WG decided to go with IANA registries to contain the bootstrap information for RDAP
  - URI Definition Policies mandate that a specification can not contain hard-wired URIs
- => Define only end segments in draft-query
- => Put all the prefixes in the IANA registries

# Proposed -04 mechanism

- Still in IANA registries
- For each type of object, provide a prefix that will be concatenated to the segments from query draft
- Reminder : no more /.well-known/ mandatory
- Improved the JSON structure (now compliant)
  - Keys are lists of values
  - ASN are integers

# Domain

```
{
  "rdap.bootstrap": {
    "version": "1.0",
    "publication": "YYYY-MM-DDTHH:MM:SSZ",

    "services": [
      [
        ["net", "com"],
        [
          "https://registry.example.com/myrdap/"
        ]
      ],
    ],
  },
}
```

```
[
  ["org", "mytld"],
  [
    "http://example.org/"
  ],
],
[
  ["mytld2"],
  [
    "https://example.net/rdapmytld2/",
    "http://example.net/rdapmytld2/"
  ]
]
}
}
```

# IPv4

```
{  
  "rdap.bootstrap": {  
    "version": "1.0",  
    "publication": "YYYY-MM-DDTHH:MM:SSZ",  
  
    "services": [  
      [  
        ["1.0.0.0/8", "192.0.0.0/8"],  
        [  
          "https://rir1.example.com/myrdap/"  
        ]  
      ],  
    ]  
  },  
}
```

```
[  
  ["28.2.0.0/16", "192.0.2.0/24"],  
  [  
    "http://example.org/"  
  ],  
  [  
    ["28.3.0.0/16"],  
    [  
      "https://example.net/rdaprir2/",  
      "http://example.net/rdaprir2/"  
    ]  
  ],  
]  
}
```

# IPv6

```
{
  "rdap.bootstrap": {
    "version": "1.0",
    "publication": "YYYY-MM-DDTHH:MM:SSZ",

    "services": [
      [
        ["2001:0200::/23", "2001:db8::/32"],
        [
          "https://rir2.example.com/myrdap/"
        ]
      ],
    ],
  },
}
```

```
[
  ["2600::/16", "2100:ffff::/32"],
  [
    "http://example.org/"
  ],
],
[
  ["2001:0200:1000::/28"],
  [
    "https://example.net/rdaprir2/",
    "http://example.net/rdaprir2/"
  ]
],
]
}
```

# ASN

```
{
  "rdap.bootstrap": {
    "version": "1.0",
    "publication": "YYYY-MM-DDTHH:MM:SSZ",

    "services": [
      [
        [2045],
        [
          "https://rir3.example.com/myrdap/"
        ]
      ],
      [
        [[10000, 12000], [300000, 400000]],
        [
          "http://example.org/"
        ]
      ],
      [
        [[64512, 65534]],
        [
          "http://example.net/rdaprir2/",
          "https://example.net/rdaprir2/"
        ]
      ]
    ]
  }
}
```

# Next Steps

- WG Last Call?