



IANA Status Update

LACNIC XIV

Sao Paulo

Mehmet Akcin

October 2010

Overview

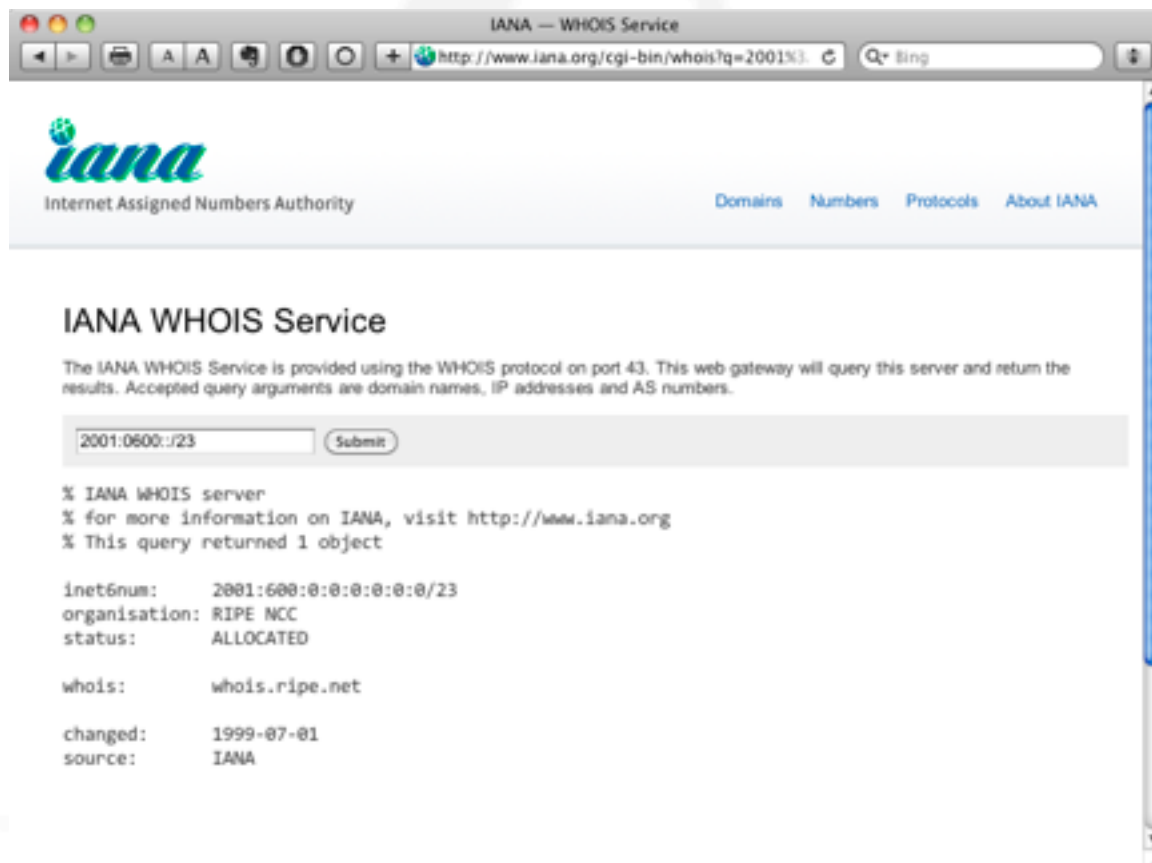
- New IANA Whois Server
- IDN ccTLDs
- Root DNSSEC
- AS Numbers Global Policy
- IPv4 Status
- Root Zone Management
- DNSSEC Key Ceremony
- In other news... multicast



A new whois.iana.org

It now provides responses for:

- Unicast IP addresses
- Multicast registrations
- AS Numbers
- DS records



The screenshot shows a web browser window titled "IANA — WHOIS Service". The address bar contains the URL "http://www.iana.org/cgi-bin/whois?q=2001%3". The page features the IANA logo and navigation links for "Domains", "Numbers", "Protocols", and "About IANA". The main content area is titled "IANA WHOIS Service" and includes a text box with the query "2001:0600::/23" and a "Submit" button. Below the query, the results are displayed in a text-based format:

```
% IANA WHOIS server
% for more information on IANA, visit http://www.iana.org
% This query returned 1 object

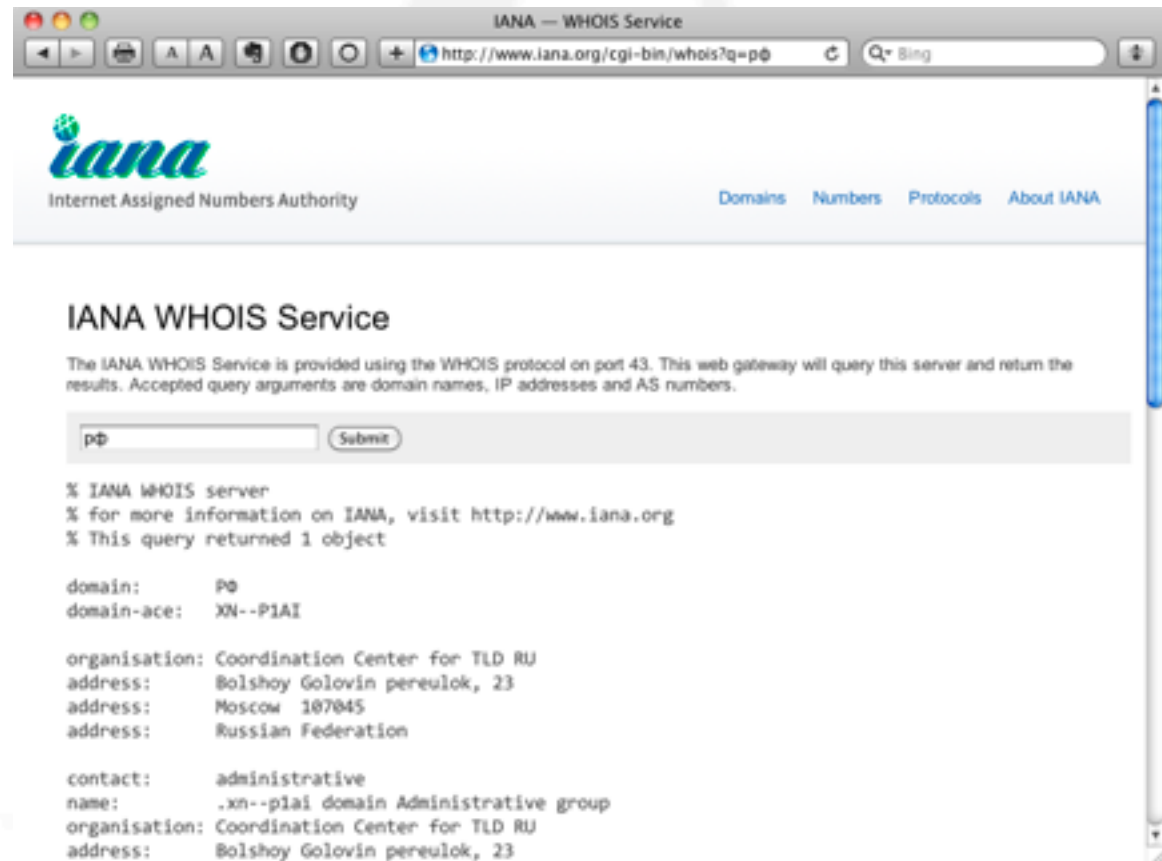
inet6num:      2001:600:0:0:0:0:0/23
organisation:  RIPE NCC
status:        ALLOCATED

whois:         whois.ripe.net

changed:       1999-07-01
source:        IANA
```

We've started delegating ccIDNs

So whois.iana.org also shows the U-label in responses and accepts it in queries



The screenshot shows a web browser window titled "IANA — WHOIS Service" with the URL "http://www.iana.org/cgi-bin/whois?q=pΦ". The page features the IANA logo and navigation links for "Domains", "Numbers", "Protocols", and "About IANA". Below the header, the "IANA WHOIS Service" section explains that the service uses the WHOIS protocol on port 43. A search input field contains "pΦ" and a "Submit" button. The results display the following WHOIS data:

```
% IANA WHOIS server
% for more information on IANA, visit http://www.iana.org
% This query returned 1 object

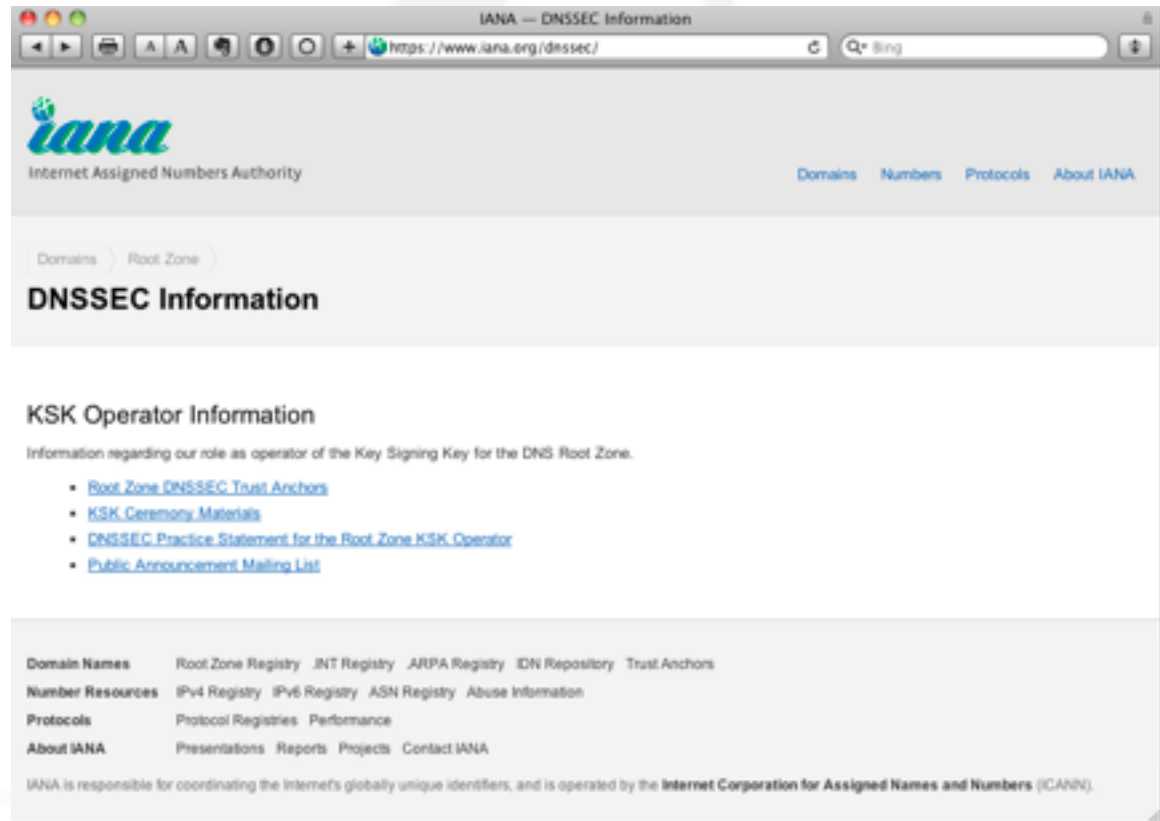
domain:          pΦ
domain-ace:      XN--P1AI

organisation:    Coordination Center for TLD RU
address:         Bolshoy Golovin pereulok, 23
address:         Moscow 107045
address:         Russian Federation

contact:         administrative
name:            .xn--p1ai domain Administrative group
organisation:    Coordination Center for TLD RU
address:         Bolshoy Golovin pereulok, 23
```

Root is Signed

You can get the root Trust Anchor, along with KSK ceremony materials, statements of practice and other important information from the IANA web site

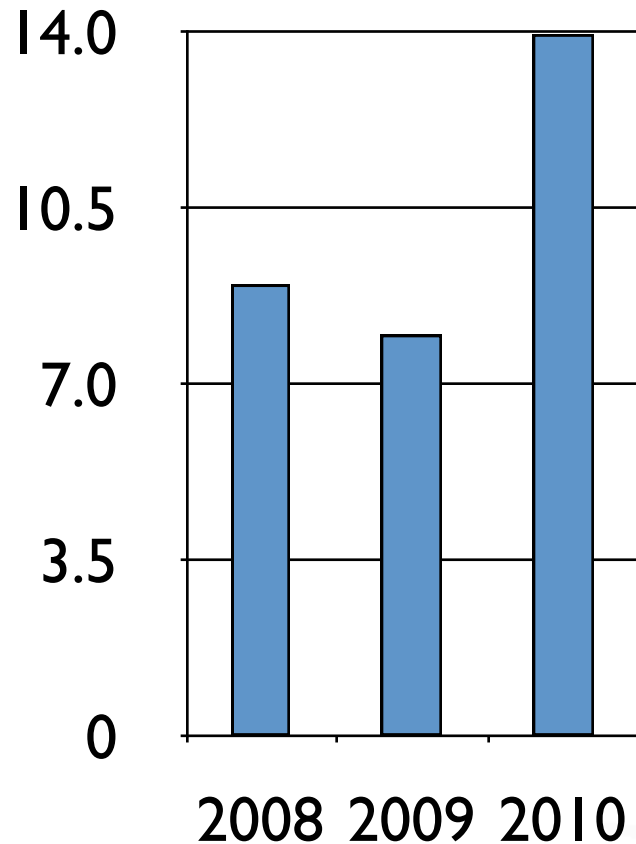


AS Numbers Global Policy

The policy allows each RIR to maintain 2 separate pools of AS Numbers until the end of 2010

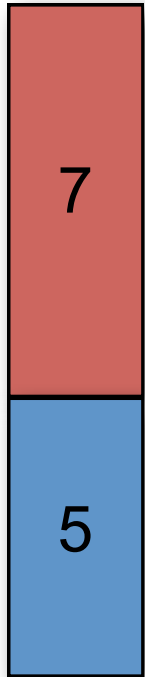
- The ASO AC sent a proposal (ripe-496) to the ICANN board
- The public comment period ended on 13 August
- The proposal was ratified in September and is now policy

IPv4 Status



- 14 /8s have been allocated so far this year
- 8 have been allocated to APNIC
- ARIN, LACNIC & RIPE NCC have each received 2

IPv4 Status



- 12 unallocated /8s remain
- 7 will be allocated under the global policy that was ratified in 2005
- Then the last 5 blocks will be allocated simultaneously as per the special global policy ratified in 2009

DNSSEC Key Ceremony

- 1st ceremony held on 16 June
- The next DNSSEC key ceremony will be held on 1-2 November in Culpeper, VA, USA
- The KSR for Q1 2011 will be processed

Root
DNSSEC



Root Zone Workflow Automation

- Aim to automate as much of the root zone change process as possible
- Roles and responsibilities do not change
- TLD operators get new web based interface to interact with ICANN



Root Zone Workflow Automation

- ICANN will communicate with VeriSign using EPP
- A period of parallel operations ongoing leading to full deployment expected Q1 2011



In other news... multicast

- draft-ietf-mboned-ipv4-uni-based-mcast-06 approved
- Everyone with a /24 of IPv4 unicast space has also has a multicast /32
- 234/8 is used for this algorithmic assignment mechanism

In other news... multicast

1st 24 bits of unicast
address



234

- draft-ietf-mboned-ipv4-uni-based-mcast-06 approved
- Everyone with a /24 of IPv4 unicast space has also has a multicast /32
- 234/8 is used for this algorithmic assignment mechanism

In other news... multicast

- We are introducing an annual review process for multicast address assignments
- We'll be updating registrant names and contact information as appropriate

Registrant name	<input checked="" type="checkbox"/>
Contact name	<input type="checkbox"/>
Address	<input type="checkbox"/>
Still required?	<input type="checkbox"/>



Thank you

Questions