



ICANN



DNS @ IANA

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Overview

- What IANA Does (and Doesn't) Do
- Root Zone Management
- .ARPA and .INT
- Internationalized Domain Names
- Other Stuff

A Quote



“Why are you here? RIPE doesn’t do DNS.”
-- RIPE-NCC Luminary

DNS @ IANA

- What IANA Does and Doesn't Do
 - IANA administers the root zone
 - But we don't edit or publish it (Verisign does)
 - IANA is the registry for .INT and .ARPA
 - But we don't run the name servers (ICANN does)
 - In theory, “coordinates root name servers”
 - See “Herding Cats”
 - IANA doesn't run “L” (ICANN does)
- We also have a small roll in DNS protocol specs
 - Assigning DNS protocol parameters (e.g., RR types, etc.)

Root Zone Management

Requests/Month



.INT Requests

Requests/Month



.ARPA Requests

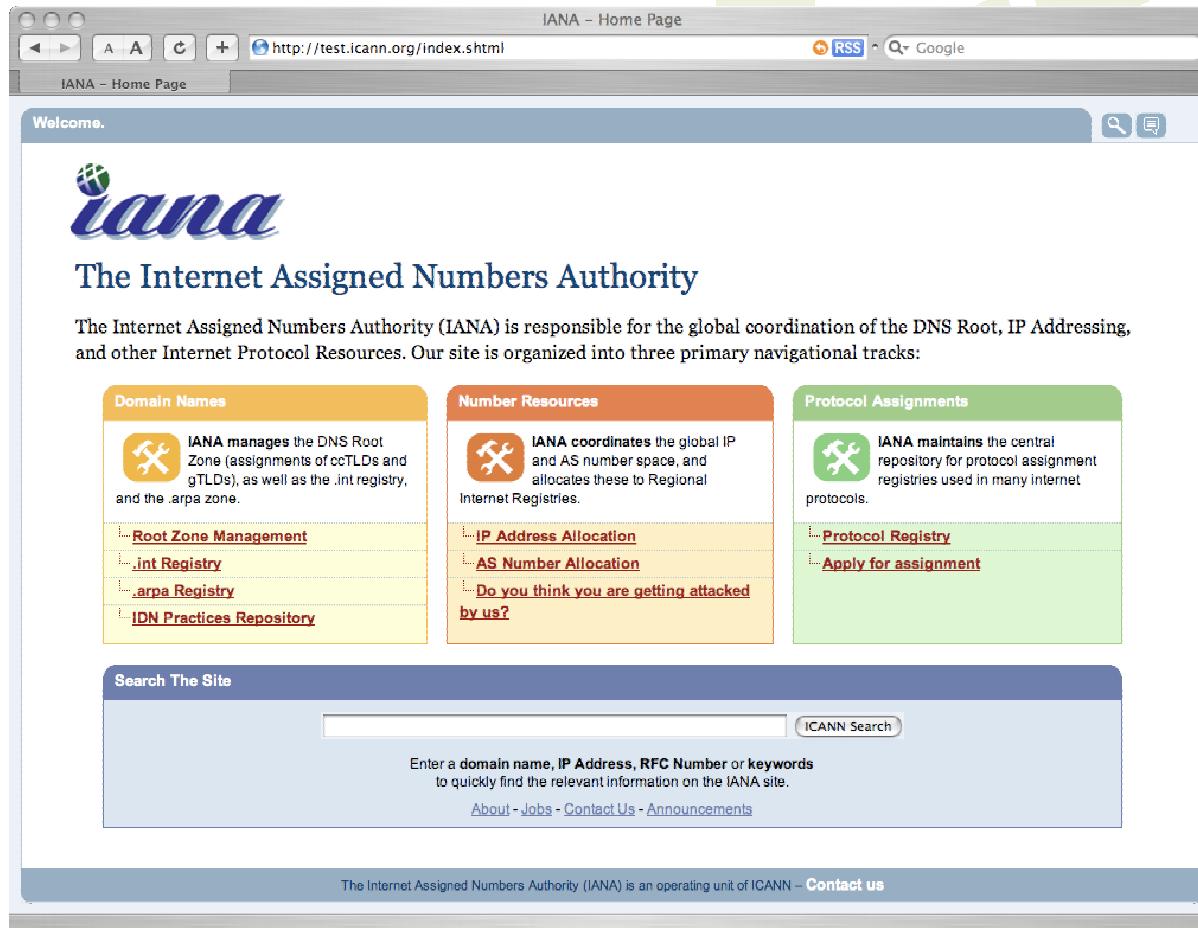
- IANA .ARPA on behalf of the IAB
 - Acts as registry for .ARPA, ip6.arpa, urn.arpa, and a couple of others
- No interesting statistics
- IANA will be moving .ARPA (and select sub-zones) management to an automated system

International Domain Names

- IANA is (or will be) involved in IDN at the root
 - Current plans are:
 - April, 2006: Project plan released for public review
 - May, 2006: Public comment period
 - June, 2006: Plan submitted to ICANN Board/US DoC
 - July, 2006: Applications for participation in public technical test accepted
- Technical test will likely include
 - Test-specific TLD(s)
 - Use of NS RRs and DNAME RRs

Draft Proposed IANA Home Page

<http://test.iana.org>



The screenshot shows a web browser window titled "IANA - Home Page" with the URL "http://test.icann.org/index.shtml". The page content includes a "Welcome." message, the IANA logo, and the title "The Internet Assigned Numbers Authority". A paragraph explains that IANA is responsible for the global coordination of the DNS Root, IP Addressing, and other Internet Protocol Resources. The page is organized into three primary navigational tracks:

- Domain Names**: IANA manages the DNS Root Zone (assignments of ccTLDs and gTLDs), as well as the .int registry, and the .arpa zone. Sub-links include: [Root Zone Management](#), [.int Registry](#), [.arpa Registry](#), and [IDN Practices Repository](#).
- Number Resources**: IANA coordinates the global IP and AS number space, and allocates these to Regional Internet Registries. Sub-links include: [IP Address Allocation](#), [AS Number Allocation](#), and [Do you think you are getting attacked by us?](#)
- Protocol Assignments**: IANA maintains the central repository for protocol assignment registries used in many internet protocols. Sub-links include: [Protocol Registry](#) and [Apply for assignment](#).

At the bottom, there is a "Search The Site" section with a search input field and a "ICANN Search" button. Below the search field, it says: "Enter a domain name, IP Address, RFC Number or keywords to quickly find the relevant information on the IANA site." and provides links for [About](#), [Jobs](#), [Contact Us](#), and [Announcements](#).

The footer text reads: "The Internet Assigned Numbers Authority (IANA) is an operating unit of ICANN - [Contact us](#)"

Questions?



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