

APNIC **33**
CONFERENCE
27 February - 2 March 2012

NEW DELHI,
INDIA



APNIC Member Services

George Kuo

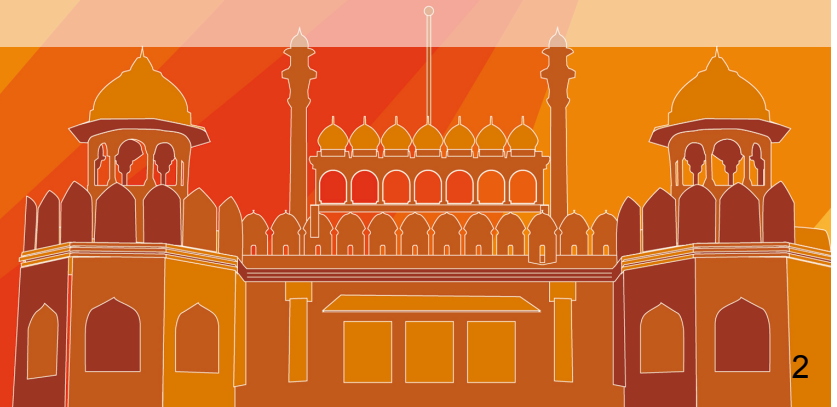


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MyAPNIC



What is MyAPNIC

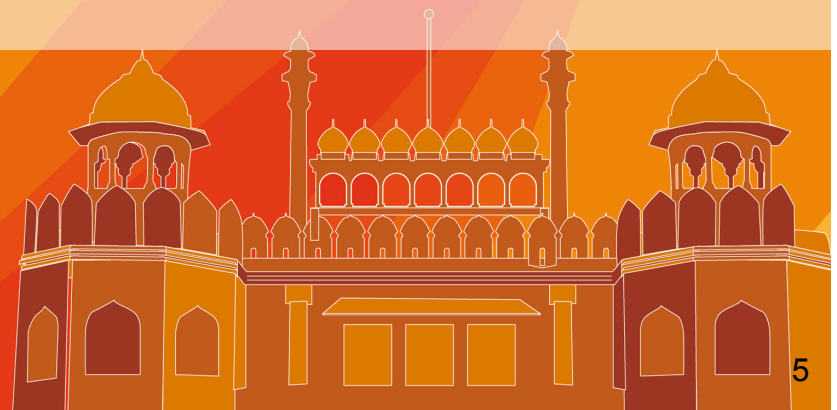
- A secure Member services website
- Internet resources management, for example:
 - Whois updates (reverse DNS, IRT, DNSSEC)
 - IPv4 transfers and pre-approval
 - Resource Certification (RPKI)
- Account and contact administration
- Ongoing updates as a result of policy implementations
- <https://myapnic.net>

Access to MyAPNIC

- For all current APNIC accounts
 - Username and password registration
- Instant access for all Corporate Contacts
 - Access approval required for non Corporate Contacts



IPv4 Transfers



IPv4 Transfer Policy

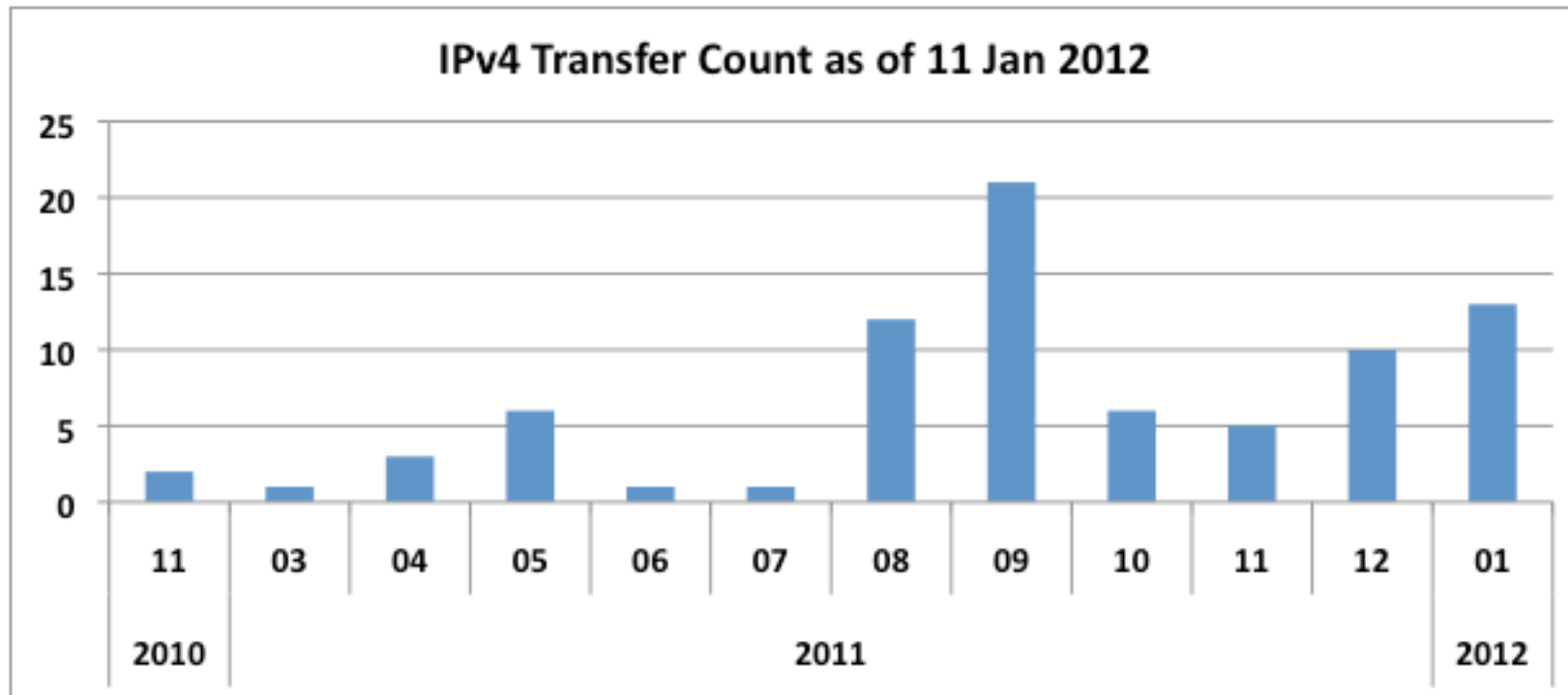
- Prop-69 implemented Nov 2011
 - Recipients to demonstrate need
 - Initial implementation on Nov 2010 (prop-50) without demonstrating needs
- Between APNIC account holders
- Address pools managed by APNIC
- www.apnic.net/transfer

MyAPNIC IPv4 Transfer Feature

- Policy implementation support
 - Reduces overhead
- Source account to initiate
 - Initiated transfer will expire in 30 days if no action is taken by the recipient
- Recipient account to accept within 30 days
 - Recipient account can decline the transfer
- All Corporate Contacts are informed of the transfer details
- Successful transfers appear in the transfer statistics

IPv4 Transfer Statistics

- <http://ftp.apnic.net/transfers/apnic/>



MyAPNIC IPv4 Transfer Feature

The screenshot displays the MyAPNIC website interface. At the top, there is a navigation menu with tabs for Home, Resources, Administration, Training, and Tools. Below this, a secondary menu lists IPv4, IPv6, ASN, Whois updates, Maintainers, IRTs, and Correspondence. The breadcrumb trail shows 'Home / Resource management'. The main heading is 'Resource management'. Underneath, there are several sections: 'Internet resources' with a link to 'View and manage resources'; 'Whois database updates' with a link to 'Add/Update/Delete Whois objects'; 'Resource request forms' with links for 'IPv4 addresses', 'IPv6 addresses', and 'AS numbers'; and 'Resource transfer/return' with a list of options: 'Transfer resources into another account', 'Receive resources into my account', 'Transfer pre-approval', and 'Return resources to APNIC'. The 'Transfer resources into another account' and 'Receive resources into my account' items are highlighted with a blue border.

Home Resources Administration Training Tools

IPv4 IPv6 ASN Whois updates Maintainers IRTs Correspondence

Home / Resource management

Resource management

Internet resources

- [View and manage resources](#)

Whois database updates

- [Add/Update/Delete Whois objects](#)

Resource request forms

- [IPv4 addresses](#)
- [IPv6 addresses](#)
- [AS numbers](#)

Resource transfer/return

- [Transfer resources into another account](#)
- [Receive resources into my account](#)
- [Transfer pre-approval](#)
- [Return resources to APNIC](#)

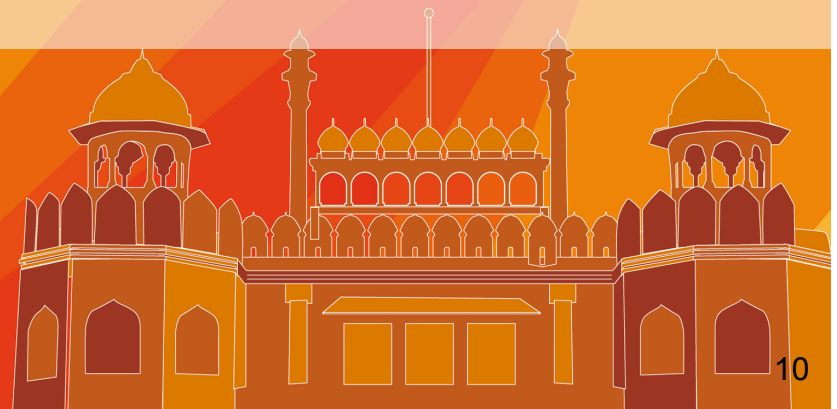
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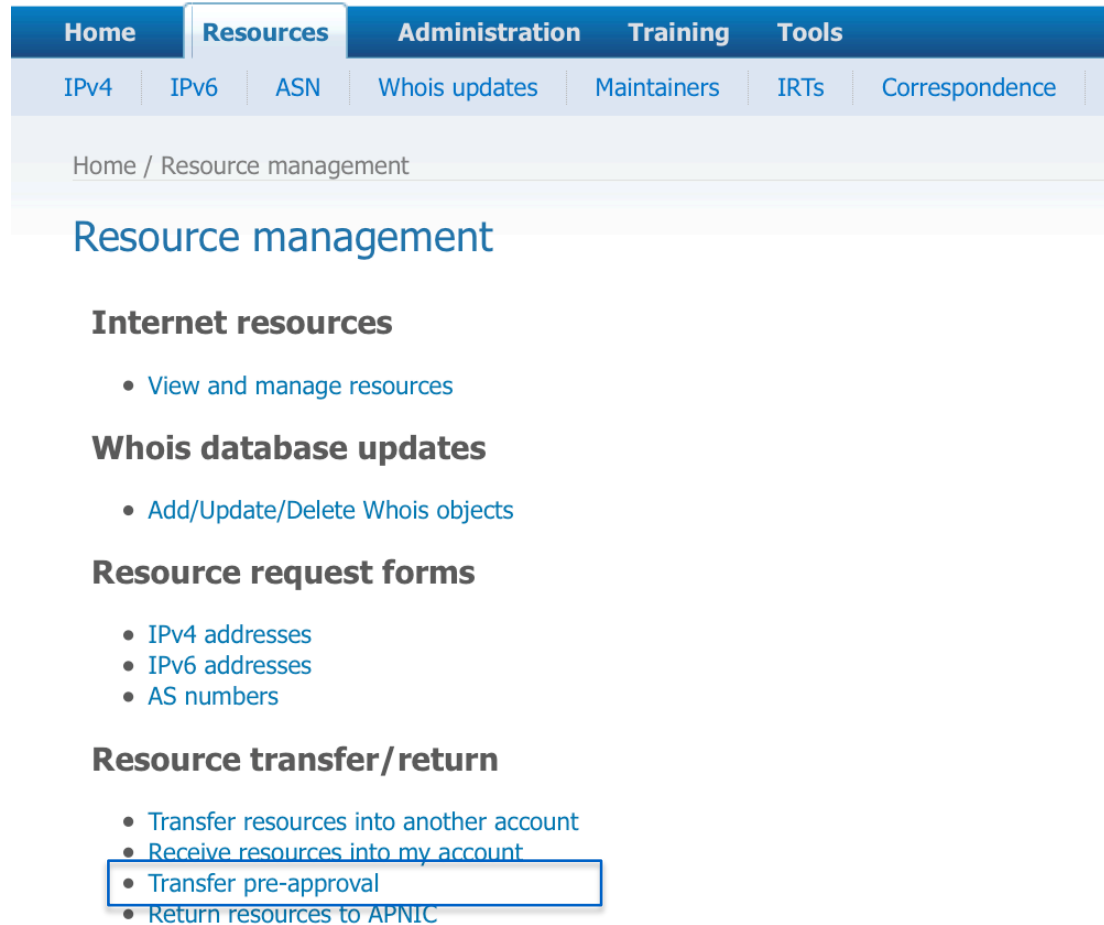
Transfer pre-approvals



IPv4 Transfers Pre-approval

- APNIC to evaluate needs of the recipient account before the transfer source is located
- Pre-approval expires in 12 months if no transfer source is available to initiate the transfer
- A subsequent pre-approval will, if granted, replace the existing one
- <http://www.apnic.net/pre-approval>

MyAPNIC Pre-approval Feature

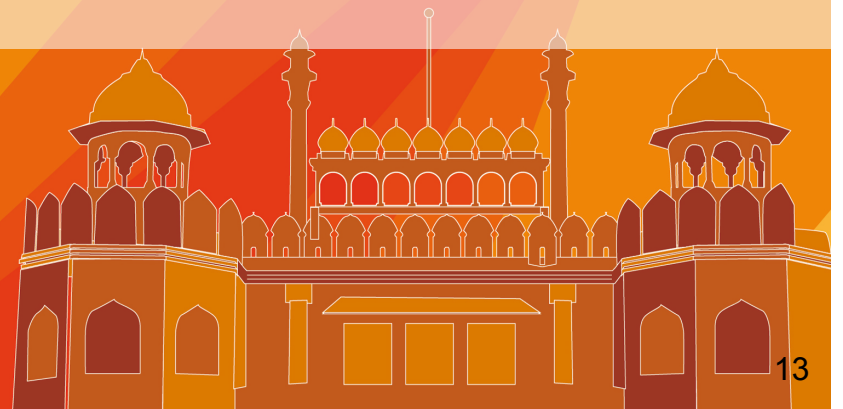


The screenshot shows the MyAPNIC website interface. The top navigation bar includes links for Home, Resources, Administration, Training, and Tools. Under Resources, there are sub-links for IPv4, IPv6, ASN, Whois updates, Maintainers, IRTs, and Correspondence. The breadcrumb trail indicates the user is at Home / Resource management. The main heading is 'Resource management'. Below this, there are several sections:

- Internet resources**
 - [View and manage resources](#)
- Whois database updates**
 - [Add/Update/Delete Whois objects](#)
- Resource request forms**
 - [IPv4 addresses](#)
 - [IPv6 addresses](#)
 - [AS numbers](#)
- Resource transfer/return**
 - [Transfer resources into another account](#)
 - [Receive resources into my account](#)
 - [Transfer pre-approval](#)
 - [Return resources to APNIC](#)



Resource Certification



Resource Certification

- Supports secure routing
- Resource Public Key Infrastructure (RPKI)
- Enables third party to verify the authenticity of information about Internet resources when data is digitally signed by the custodian of those resources
- <http://www.apnic.net/rescert>

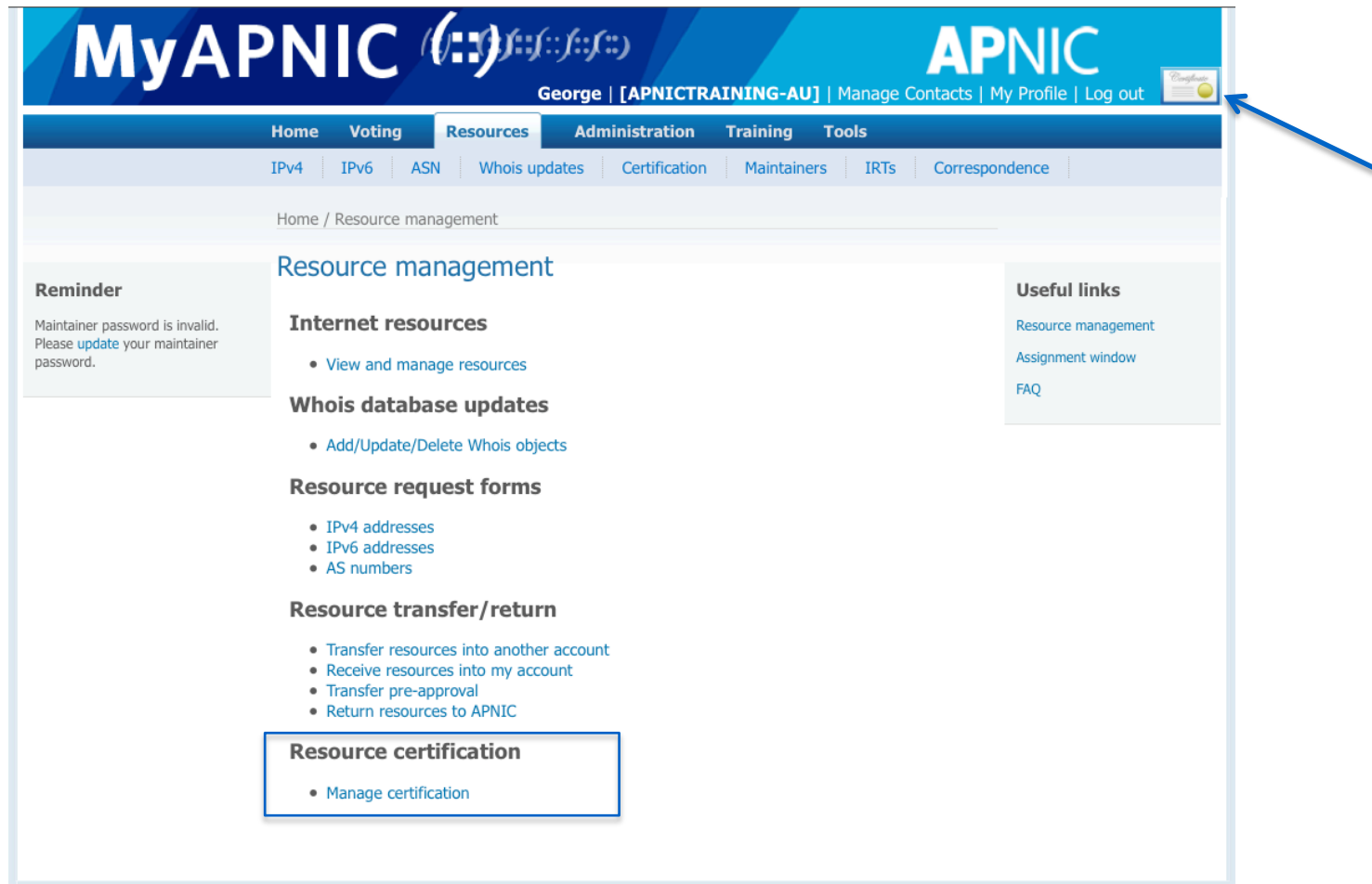
MyAPNIC Resource Certification

- Certification feature initially launched in August 2008
- Creation of Route Origin Attestations (ROAs)
 - Statement of one or more prefixes advertised by an autonomous system (AS)
 - Allows entities to verify the permission given by an IP address holder to advertise routes to the AS
- Download of certificates
 - For your resources sets

MyAPNIC Resource Certification

- Secure access
 - Only to users accessing with APNIC digital certificates
- Optional
 - Services activation required

MyAPNIC Resource Certification



The screenshot displays the MyAPNIC website interface. At the top, the MyAPNIC logo is on the left and the APNIC logo is on the right. Below the logos, the user's name 'George' and the account type '[APNICTRAINING-AU]' are shown, along with links for 'Manage Contacts', 'My Profile', and 'Log out'. A blue arrow points to a small profile picture icon in the top right corner. The main navigation bar includes 'Home', 'Voting', 'Resources', 'Administration', 'Training', and 'Tools'. The 'Resources' section is active, with sub-links for 'IPv4', 'IPv6', 'ASN', 'Whois updates', 'Certification', 'Maintainers', 'IRTs', and 'Correspondence'. The breadcrumb trail shows 'Home / Resource management'. The main content area is titled 'Resource management' and contains several sections: 'Internet resources' with a link to 'View and manage resources'; 'Whois database updates' with a link to 'Add/Update/Delete Whois objects'; 'Resource request forms' with links for 'IPv4 addresses', 'IPv6 addresses', and 'AS numbers'; and 'Resource transfer/return' with links for 'Transfer resources into another account', 'Receive resources into my account', 'Transfer pre-approval', and 'Return resources to APNIC'. A 'Resource certification' section is highlighted with a blue border and contains a link to 'Manage certification'. On the left, a 'Reminder' box states 'Maintainer password is invalid. Please update your maintainer password.' On the right, a 'Useful links' box contains links for 'Resource management', 'Assignment window', and 'FAQ'.

MyAPNIC Resource Certification

Home | Voting | **Resources** | Administration | Training | Tools

IPv4 | IPv6 | ASN | Whois updates | Certification | Maintainers | IRTs | Correspondence

Home / Resources / Certification

Resource Certification

Activation

Your service is not yet activated. To activate the service click the button below.

NOTE: This process may take a couple of minutes. Please be patient.

[Activate Service](#)

MyAPNIC Resource Certification

Home Voting Resources Administration Training Tools

IPv4 IPv6 ASN Whois updates Certification Maintainers IRTs Correspondence

Home / Resources / Certification

Resource Certification

Resource Certificate Download

Download the [current issued certificate](#) covering your owned resource set.

Sign Route Origin Authorization

Create a [signed ROA document](#), certifying your authorization for an Autonomous System to originate routes for your resources.

Recent Signed Products

Type	Name	Creator	Created	Valid From	Valid To
roa	training	Md Nurul Islam	2011-10-04 01:08:19	2011-10-04 00:00:00	2012-10-04 23:59:59

Advanced Management

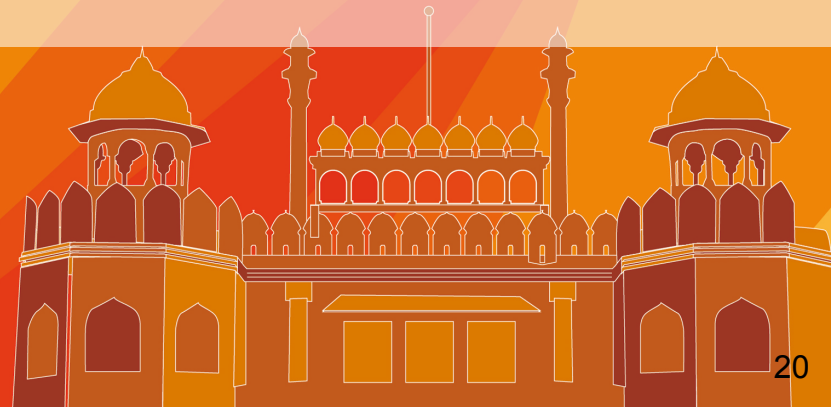
For [more advanced management](#) of your [Route Origin Authorization](#) details or viewing of the [activity log](#).

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DNSSEC



DNSSEC

- Three-phase implementation complete
 - Hardware and software testing around late 2009
 - All APNIC managed zones signed throughout April 2010
 - Improved features in MyAPNIC in mid 2011
- <http://www.apnic.net/dnssec>

DNSSEC in MyAPNIC

- Members who implemented DNSSEC for their reverse zones to publish their signature information into the parent zone
- "ds-rdata:" attribute for the domain object
- Bulk update available
 - Zone file upload
- Built-in validation tool

MyAPNIC DNSSEC

Home Resources Administration Training Tools

IPv4 IPv6 ASN Whois updates Maintainers IRTs Correspondence

Home / Resource management / Whois update

MyAPNIC Whois Update

The information you register will be available publicly in the APNIC Whois database, unless the 'Private' option is available and specified.

Need help?
[Using whois](#)
[Guide for domain](#)

Add Update Delete Bulk Whois Updates

Object type

Search

domain	<input type="text" value="96.125.202.in-addr.arpa"/>	<input type="button" value="T"/>
descr	<input type="text" value="Reverse zone for 202.125.96.0/24"/>	<input type="button" value="T"/>
admin-c	<input type="text" value="AMS11-AP"/>	<input type="button" value="T"/>
tech-c	<input type="text" value="AH256-AP"/>	<input type="button" value="T"/>
zone-c	<input type="text" value="AH256-AP"/>	<input type="button" value="T"/>
ds-rdata	<input type="text" value="33736 5 1 (4B7ABE2701C6A6F34C479EBDDBC9706 C91A48454"/>	<input type="button" value="X"/>
ds-rdata	<input type="text" value="33736 5 2 (B1E76175EC4F7AEF17EC5DBD3BA24EA 19728C96FAC 8713C008030F8BFD7A28FC"/>	<input type="button" value="X"/>
mnt-by	<input type="text" value="MAINT-MYAPNIC-AP"/>	
changed	<input type="text" value="vivek@apnic.net 20110822"/>	<input type="button" value="T"/>
source	<input type="text" value="APNIC"/>	

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Thank You

