



KRNIC UPDATE

EUNA, NA

February. 23, 2016

1. Operations – IP & AS Management

- As of Feb 2016, holds 112,337,664 of IPv4 and 5,245(/32) of IPv6
 - allocated a total of 55,552 of IPv4 from APNIC in 2015

	2014	2015	2016. 2. 15
IPv4	112,279,552	112,335,104	112,337,664
IPv6(/32)	5,245	5,245	5,245

- As of Feb 2016, holds 1,005 of ASN
 - By type, 895 of 2-byte ASN and 110 of 4-byte ASN
 - assigned 793 of 2-byte ASN

	2014	2015	2016. 2. 15
2-byte ASN	895(775)	895(789)	895(793)
4-byte ASN	110(-)	110(-)	110(-)

1. Operations – KRNIC Members

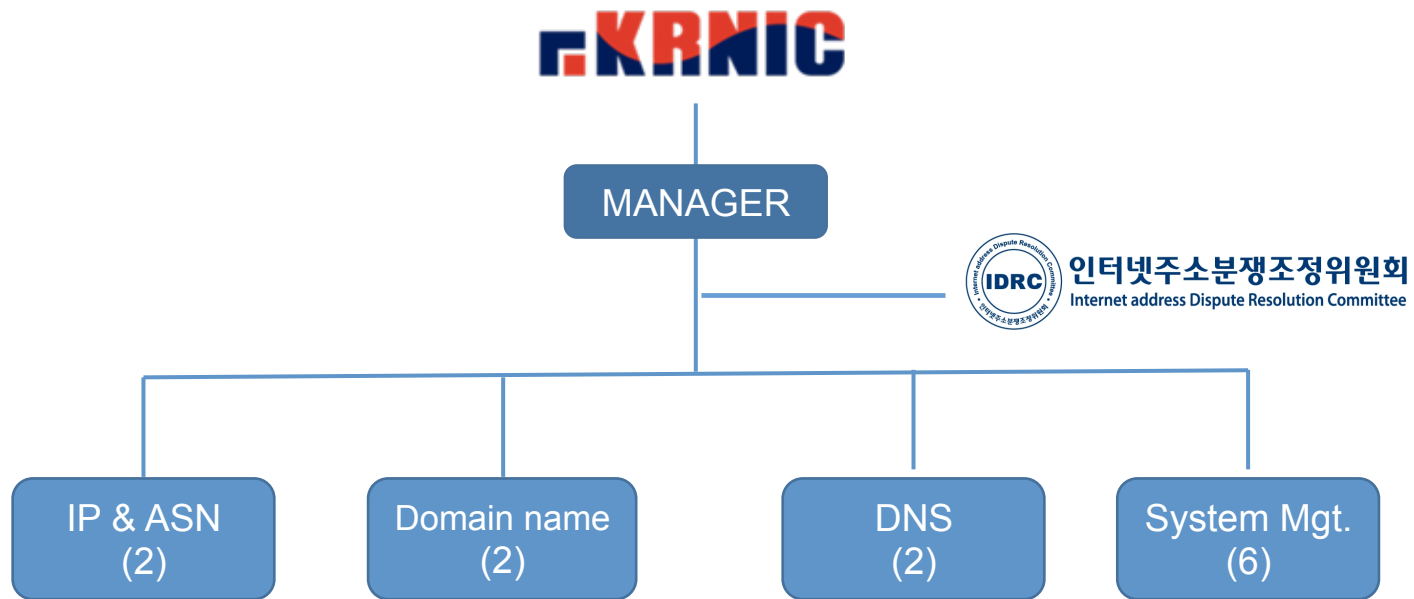
- Composed of ISPs, Independent IP users & ASN users

<Note>

- Recently, M&A caused sharp decrease (-15) in the number of ISPs with a large transfer of IP addresses

	2014	2015	2016. 2. 15
ISPs	109	94	94
Indep. IP users	150	157	157
ASN users	670	670	672
Total	929	921	923

1. Operations – KRNIC Office Staffs



2. Policies

- IP Allocation (eligibility)
 - has facilities (systems) accessible to the Internet
 - KRNIC members (ISPs , Independent IP & ASN users)
- ASN Assignment (eligibility)
 - is multihomed (or plan to multihome)
 - and has a single, clearly defined routing policy that is different from its provider's routing policies
- IP and ASN Transfer
 - Allowed the transfer of IP and ASN only between KRNIC members

3. Activites

• WHOIS Update

- providing KRNIC WHOIS service (<http://whois.kr/eng/>)
- planning to check and update the whole WHOIS DB (1nd half of '16)
(with APNIC cross-check)

KISA WHOIS Font Size [+] [-] [KOREAN]

KISA Domain IP/AS INVERSE IPv6 Internet Statistics

WHOIS DB WHOIS > WHOIS DB

WHOIS Information

Regarding IP Address search

Regarding IP Address Search
End-user contacts, or member ISP contacts can be searched.
Please use end-user contacts for Network Abuse or relevant information about IP address. If the end-user contact is not reachable, please refer to the ISP contact.

Special Notice >

WHOIS Services

SEARCH

Domain Name Search: ex) kore.kr
IPv4 Address search: ex) 202.30.60.0
IPv6 Address search: ex) 2001:0088:00a2:0001:0288:00a2:048

AS Search: ex) AS768
COM/NET/ORG Domain Search: ex) google.com

WHOIS Service (KRNIC's Internet Directory) provide a way of finding e-mail addresses, postal addresses who have registered "objects" with the KRNIC. Using Whois, you can also determine whether the domain name you desire is already in use, you can then who administers a particular site, and you can view a list of site's name servers. Whois involves an online database populated with information about networks, networking organizations, domains, sites, and the contacts associated with them. This database is known as the KRNIC database. The names of the administrative and technical contacts for registered domains are automatically entered into the database when domain or IP number applications are processed by the KRNIC.

Caution: KRNIC currently provide whois service not whole service. But, KRNIC uses eor-43. Therefore, methods of using whois are the same as methods of using whois. How to Use Users can query a Whois server to access this information through a local Whois client or nwhois client, an interactive telnet session, e-mail, or the KRNIC's Web-based form.

A. Performing Search using Command

1) Searching Domain/IP/Whois/Name of Organization using whois
whois [domain|ip|whois|name] ***** (Example: whois nic.or.kr, 202.30.60.60, Name or Name of Organization)

2) Searching Domain/IP/Whois/Name of Organization using nwhois
nwhois [domain|ip|whois|name] ***** (Example: nwhois nic.or.kr/43 ***** (Example: nic.or.kr, 202.30.60.60, Name or Name of Organization))

B. Performing Search through the Web/KRNIC WHOIS Gateway

KRNIC WHOIS Gateway This is a searchable index. Enter search keywords. This is a gateway to "whois". Type a domain name or network address in search dialog. This is "KRNIC whois" Gateway which provides the information of Domain name and network managers registered in KRNIC.

How to Use

1. Type one of followings into the search dialog box:
Domain Name
Network Address
Name of Network manager in English
Network Name
2. Then Press
3. Examples: nic.or.kr, 202.30.60.0

• RPKI (Resource Certification)

- Testing RPKI system with APNIC testbed ('16)
- Launching trial RPKI service for ISPs (Nov. '16)



THANK YOU

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