KRNIC UPDATE

EUNA, NA

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KOREA INTERNET & SECURITY AGENCY

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

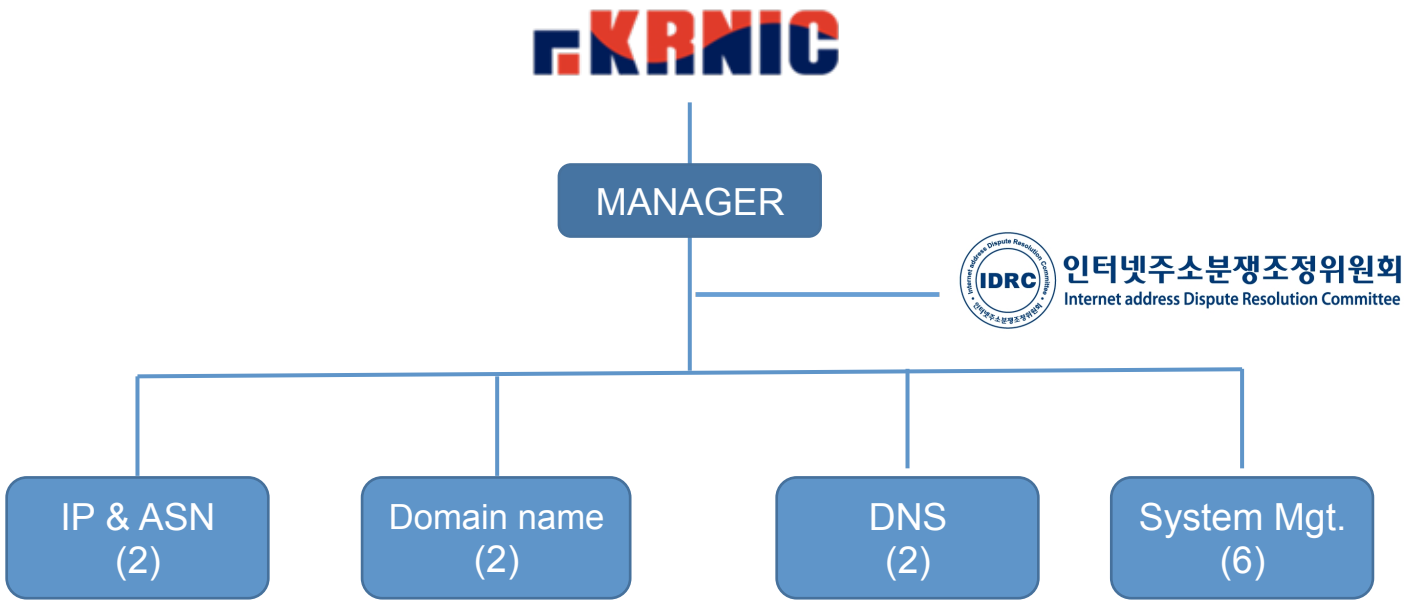
- Composed of ISPs, Independent IP users & ASN users

<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

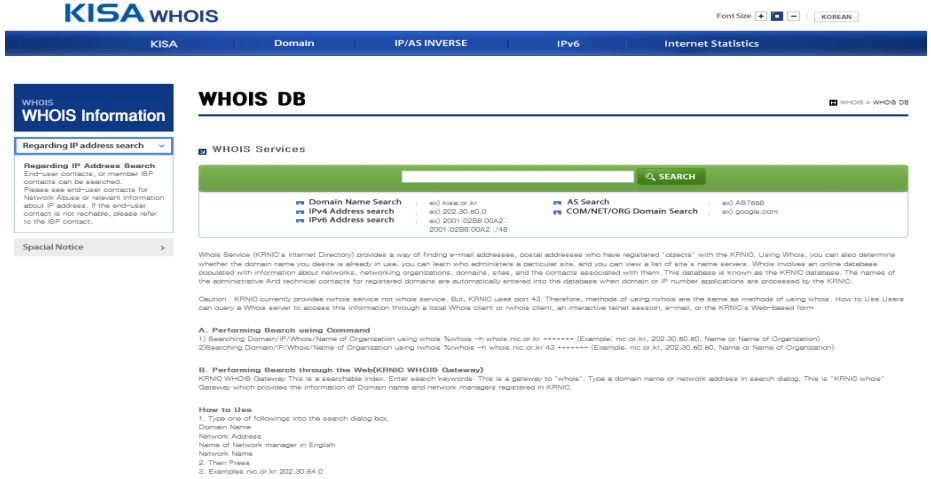


2. Policies

- 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)



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

THANK YOU

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