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Jin-man Kim
(jmkim925@nida.or.kr)
KRNIC of NIDA





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Result of ERX Project in Korea

- ☐ ERX project of KRNIC
 - Checked ERX records by using member's Routing Table since 2001 (IPv4 Address: 50×/16, 39×/24; ASN: 33)
 - Cooperated with APNIC in 2003
 - Looked for actual organization using ERX based on the information re gistered in ARIN
 - KRNIC started to transfer ERX resources since Dec. 2003
 - Found contacts of /16 address & ASN ERX holders, explained and re commended them to transfer ERX resources to KRNIC in 2004
 - Found contacts of /24 address holders, explained and recommended them to transfer ERX resources to KRNIC in 2005
 - Held two seminars on ERX project





Result of ERX Project in Korea

- ☐ Result of ERX Project in Korea
 - KRNIC finished the transfer at the end of 2005
 - IPv4(/16): $49 \times /16$, 98%, $1 \times /16$ remains
 - IPv4(/24): 39×/24, 100%
 - ASN: 30, 91%, 3 remains
 - The result was reflected in KRNIC WHOIS
 - KRNIC fee schedule will be applied to the transferred resources in 20 07





- ☐ Increasing demands on personal data protection
 - Recently people ask for their personal data protection
 - Some people are against public disclosure of their information through KRNIC WHOIS
 - Some are worried about the malicious use of their personal information
 - Some complained about showing their information to the public
- ☐ KRNIC's personal data protection policy
 - KRNIC recommended ISPs to add WHOIS policy to their contracts with customers in 2004
 - Ex) "Those who use IP address, your information could be published through WHOIS service"



- ☐ KRNIC's personal data protection policy
 - KRNIC applied 'Partial Hidden Policy' to KRNIC WHOIS in 2005
 - End users who don't wish to open their detailed information can reque st to hide their information through their upstream ISPs
 - In KRNIC member web-site, ISPs will be able to select 'Hidden Option' for their assignment information
 - Hidden fields: Name, detailed address, phone number
 - KRNIC doesn't hide the whole assignment information at the moment
 - KRNIC is considering to hide the whole assignment information in the future





☐ In case that KRNIC apply the open policy

: +82-2-450-9421

: domain@haion.net

```
# ENGLISH
KRNIC is not an ISP but a National Internet Registry similar to APNIC.
The followings is organization information that is using the IPv4 address.
IPv4 Address
                  : 202.133.16.0-202.133.16.127
Network Name
                  : OSUNG
Connect ISP Name
                  : HATONNET
Connect Date
                  : 20050404
Registration Date : 20050502
Publishes
[ Organization Information ]
Organization ID : ORG103643
Org Name
             : Osung-edu
Address
                  : Yangiae1-dong, Seocho-gu, Seoul
Detail address
                  : 137-891
Zip Code
[ Technical Contact Information ]
                   : Dukhwa Hwang
Name
                  : Osung-edu
Org Name
                  : Yangjae1-dong, Seocho-gu, Seoul
Address
Detail address
                   : 107
                   : 137-891
Zip Code
```



Phone



☐ In case that KRNIC apply the partial hidden policy

ENGLISH

KRNIC is not an ISP but a National Internet Registry similar to APNIC.

The followings is organization information that is using the IPv4 address.

IPv4 Address : 211.35.70.0-211.35.70.63

Network Name : KPIN-MALSUM

Connect ISP Name : KPIN
Connect Date : 20050207
Registration Date : 20050411

Publishes :(N)

[Organization Information]

Organization ID : ORG103420 Org Name : Malsum Print

Address : Yeongdeungpo-dong4Ga, Yeongdeungpo-gu, Seoul

Zip Code : 150-034

[Technical Contact Information]
Org Name : Malsum Print

Address : Yeongdeungpo-dong4Ga, Yeongdeungpo-gu, Seoul

Zip Code : 150-034

E-Mail : kang94@119print.com

Name, Detailed address, Ph one number are not publish ed



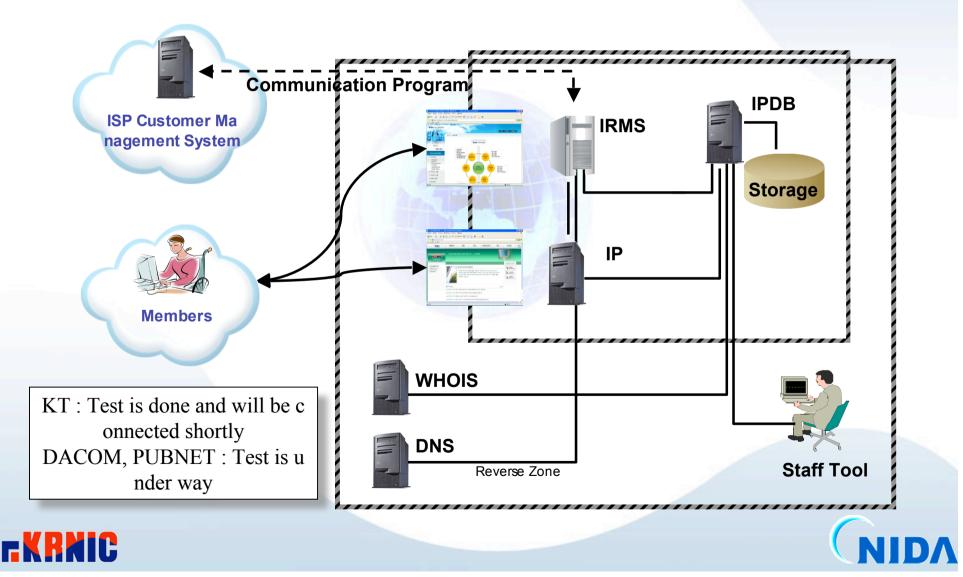


- ☐ Main Upgrade Points
 - Real Time WHOIS Updates
 - Developed 'Communication Program between KRNIC and ISPs'
 - Providing 'Automation Basis' for WHOIS Update
 - When ISPs update their customer DB, the changes will be reflected to KRNIC WHOIS DB through 'Communication Program' real-time
 - IP address & ASN management Interface for member
 - ISPs can manage their IP address through KRNIC member web-site
 - ISPs will take advantage of the IP address & ASN management Interface for easy WHOIS Update

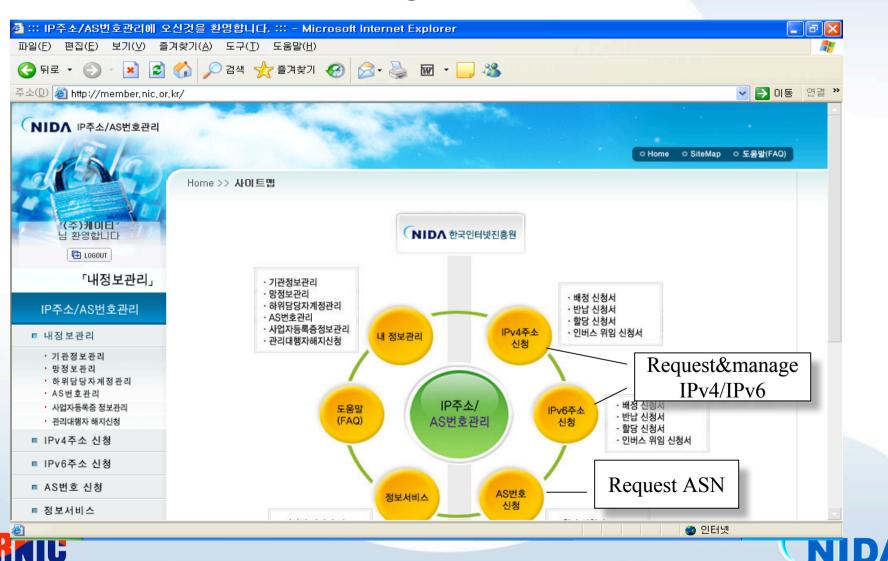


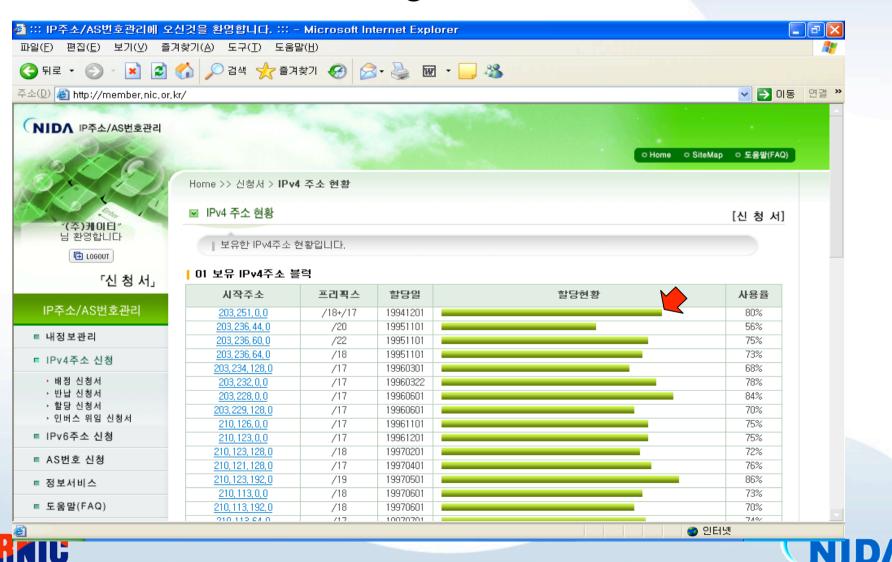


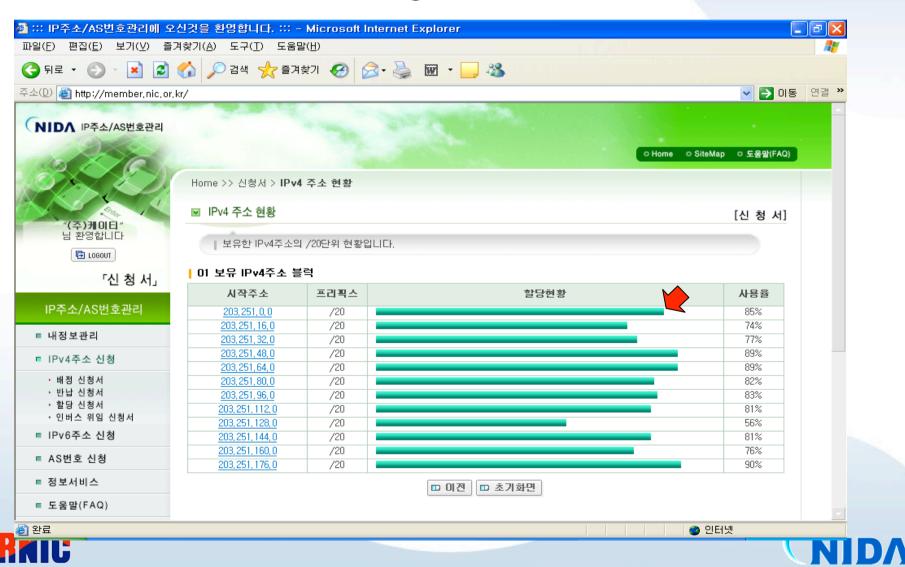
☐ Upgraded Internet Resource Management System

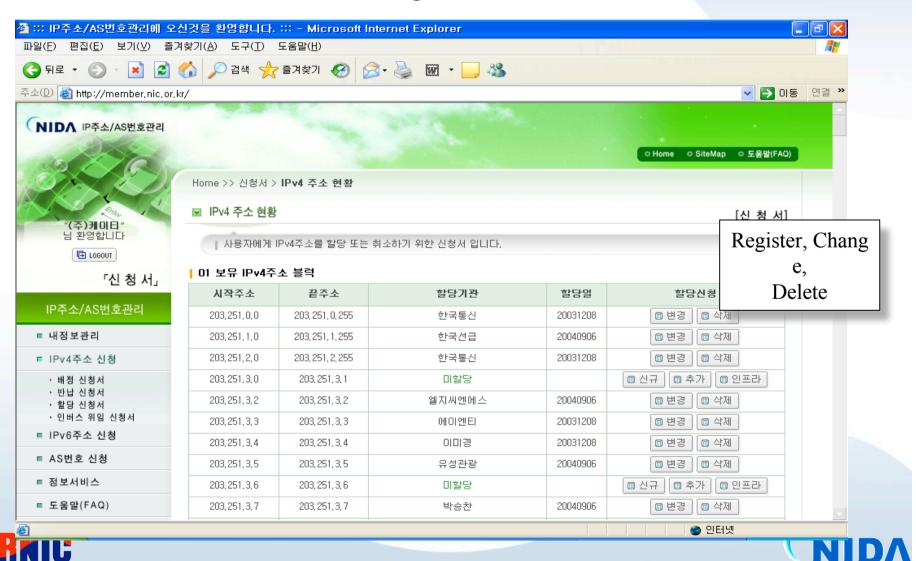












- ☐ IP address & ASN management Interface
 - Demonstration
 - http://member.nida.or.kr





- ☐ Expected result
 - More Convenient for IP address & ASN management
 - More Accurate of WHOIS information
 - Effective cooperation between KRNIC and ISPs by Automati on and Simplification





Other Activities

- ☐ Korea Internet Operation Conference 2005 (KIOC2005)
 - Dec. 8, 2005 ~ Dec. 9
 - About 320 attendees
 - Including ISPs, Vendors, students
 - ◆ BcN, VoIP, IPTV, IPv6, FTTH/C, Internet Governance





Thank you!



