TWNIC Update

Sheng-Wei Kuo, TWNIC

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Outline

- Major Activities

- TWNIC 4th Open Policy Meeting (OPM)
  - Experience sharing on Whois privacy protection by TWNIC RMS
  - The project of the BGP routing table analysis in Taiwan

Major Activities in 2005

- Meeting
  - TWNIC IP member meeting in June
  - 4th Open Policy Meeting in June
  - Three IP Committee meetings
- Statistics & Publication
  - Survey on the Internet connectivity bandwidth for Taiwan ISPs (http://map.twnic.net.tw)
  - Statistics of allocation for the IP address space and ASN of each country (http://trace.twnic.net.tw/ipstats/statsipv4.php)
  - Publication : 2004 Taiwan ISP Directory

Major Activities in 2005 (cont.)

- Training programs
  - Two IP address policy and management tutorials
  - Three IPv6 address tutorials
  - Three IP address application technology tutorials
  - Two network workshops co-host by TWNIC and CISCO Taiwan
    - Security workshop
    - QoS workshop

TWNIC 4th Open Policy Meeting

TWNIC 4th Open Policy Meeting

- June 29-30, 2005
- More than 100 attendees
  - Including ISPs, ICPs, Vendors, Academic Institutes …etc.
  - Guest speakers : John Tran from APNIC and
                     Takashi Arano from Japan ☺
- SIG Working Group (WG)
  - Policy SIG WG (5 members)
  - Routing SIG WG (5 members)
  - DB SIG WG (4 members)
- Presentations
  - 4 proposals and 7 informational reports

TWNIC 4th Open Policy Meeting Agenda

	6/29 (WED)	6/30 (THU)
0900 ~1020	**Keynote Speech Next Network – IPv6**	
1040 ~ 1210	**Policy SIG**	
1330 ~ 1430	**Routing SIG**	**TWNIC/CISCO Seminar Advanced Network Management Seminar**
1430 ~ 1510	**DB SIG**	
1510 ~ 1530	**SIG Summary**	
1610 ~ 1730	**TWNIC IP Member Meeting**	

Keynote Speeches

- Next Generation Network - IPv6 in Japan
  - **Takashi Arano - Chair of IPv6 Development Committee of Internet Associate Japan**
- IPv6 for All IP Network & Service Convergence
  - **Yen-Sung Lee - President of Chunghwa Telecom Laboratories**

Proposal Topics of the SIG

- ## Policy SIG

  - ❑ IP Address Transfer to LIR

  - ❑ Principle of IP address to 3G Wireless Network

- ## DB SIG

  - ❑ Whois Privacy Protection by TWNIC RMS

- ## Routing SIG

  - ❑ The Project of the Analyzing BGP Routing Table in Taiwan

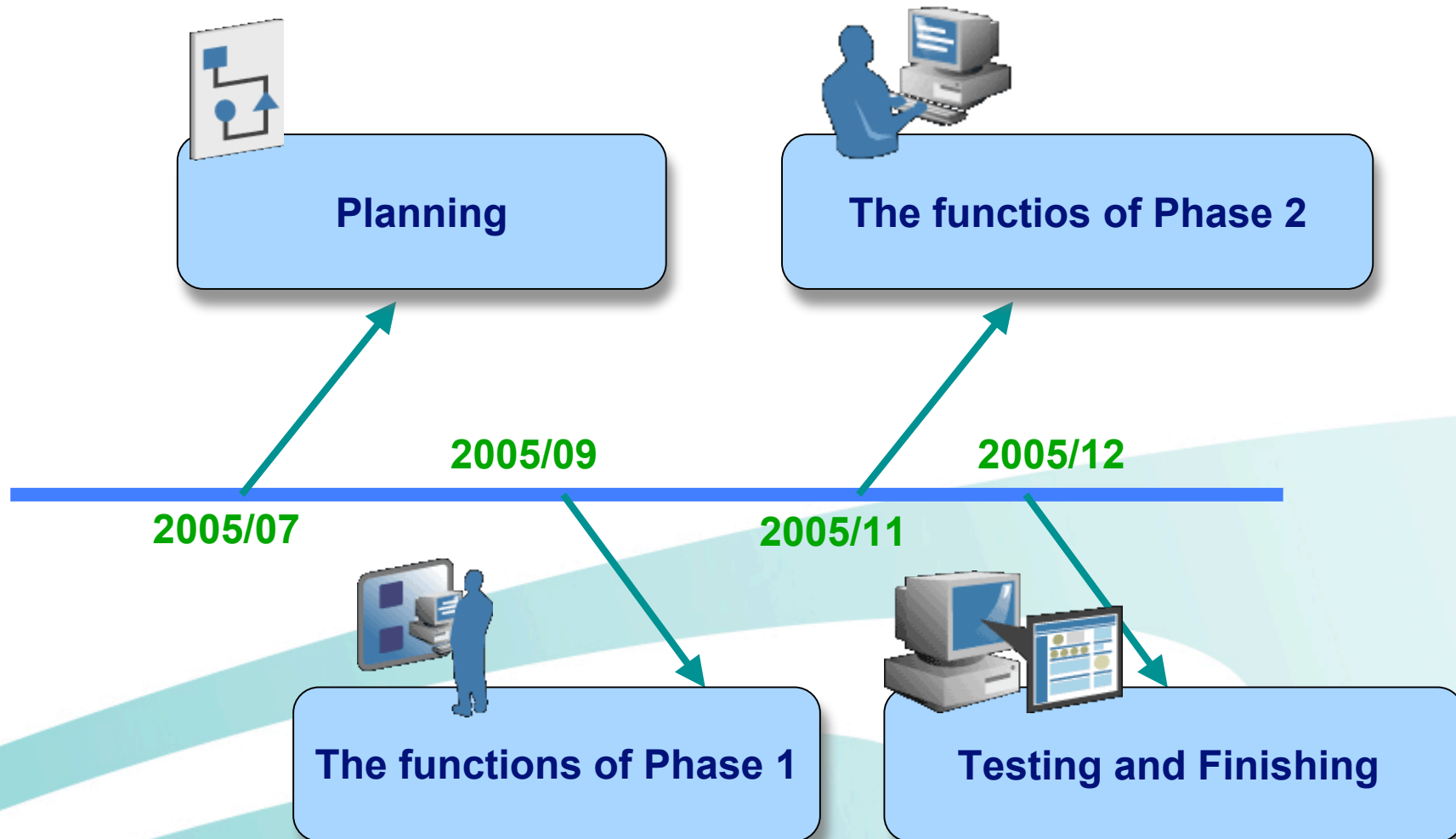# Experience Sharing on Whois Privacy Protection by TWNIC RMS

點進網域新視界！

Motivation

- Some members/customers concern about the personal information to be open to public
- The privacy issue in the WHOIS database related to the Taiwan privacy laws

Systems Architecture

WEB — Web update → **RMS DB**

API — API update →

FTP — FTP update →

RMS DB
- **Public Data**
- **Private Data**

Public
- Portable Assignment
- Portable Allocation
- Non-portable Assignment
- Non-portable Allocation

Private
- Non-portable Assignment
- Non-portable Allocation

Current Development Schedule

Planning

The functios of Phase 2

2005/09

2005/12

2005/07

2005/11

The functions of Phase 1

Testing and Finishing
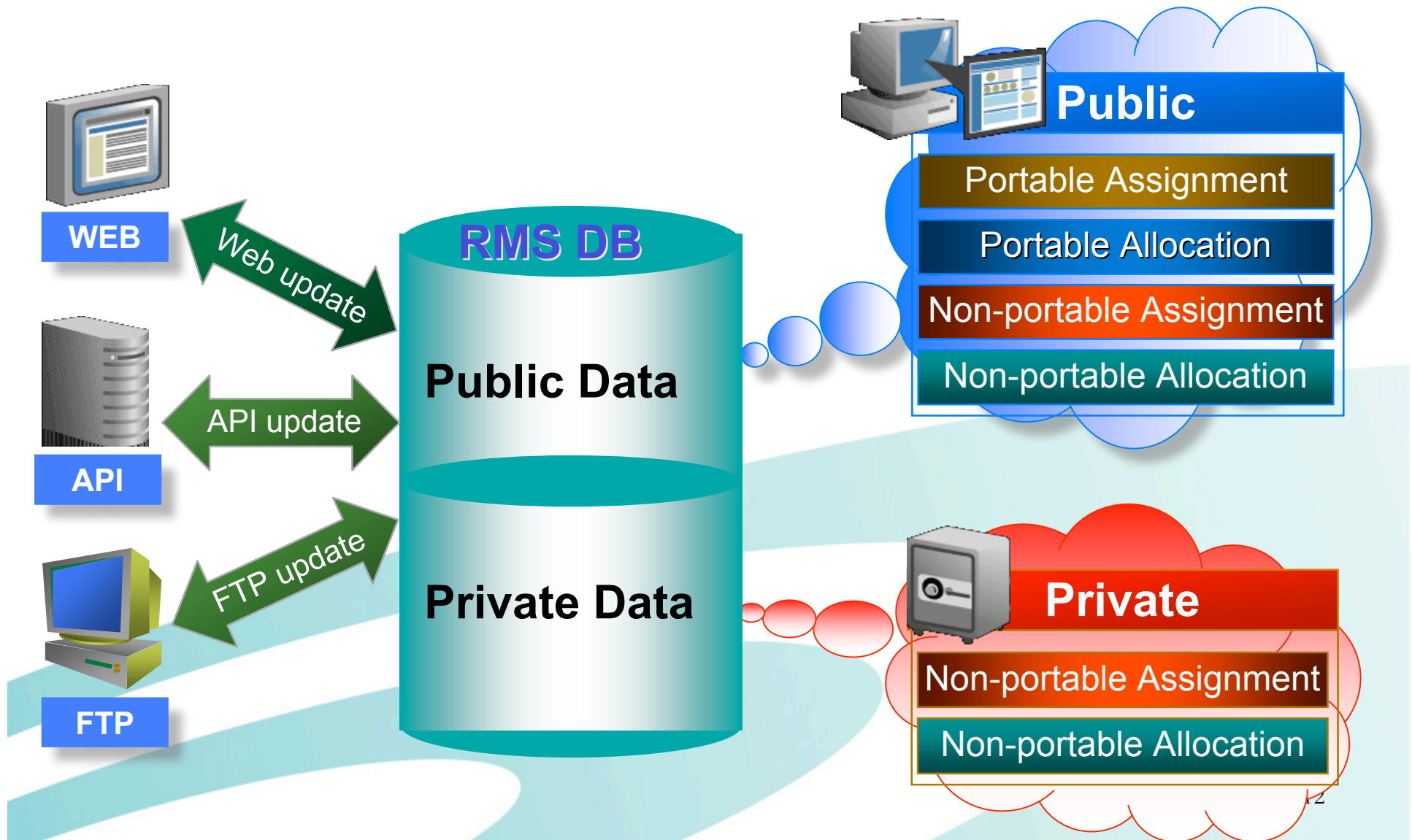
Phase1 – Non portable data update and query

- LIR update non-portable functions
  - WEB interface
  - FTP interface
  - API interface
- Whois query function
- Upload TWNIC assignment data to APNIC

Phase 2 – Statistics

- **Utilization of IP address block**

  - Add hidden and non-hidden utilization of IP address block

- **Provide hidden data to LIR**

- **Provide APNIC hidden data when request IP address**

Demo

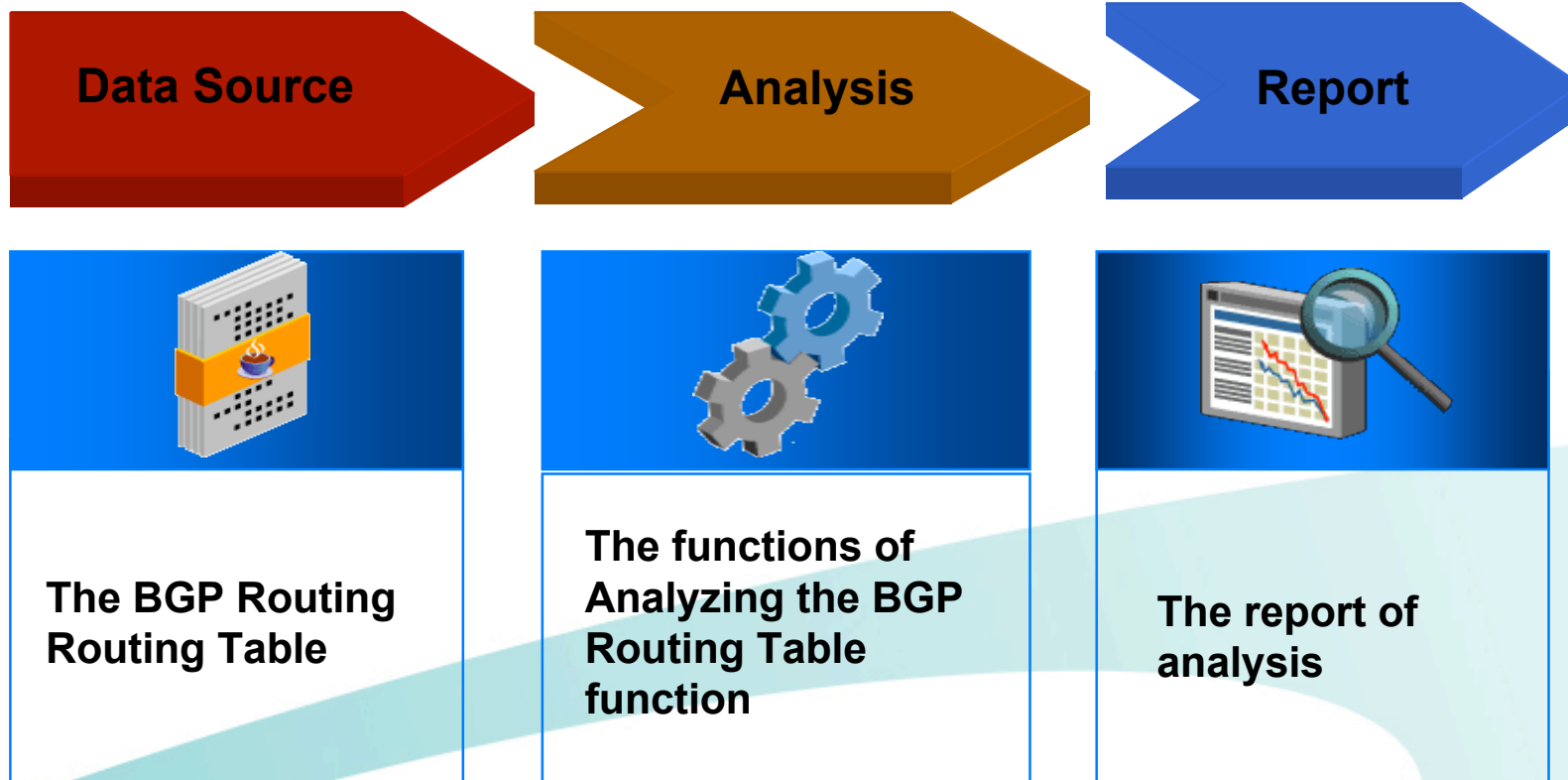- Whois Privacy Protection by TWNIC RMS

Hidden Flag

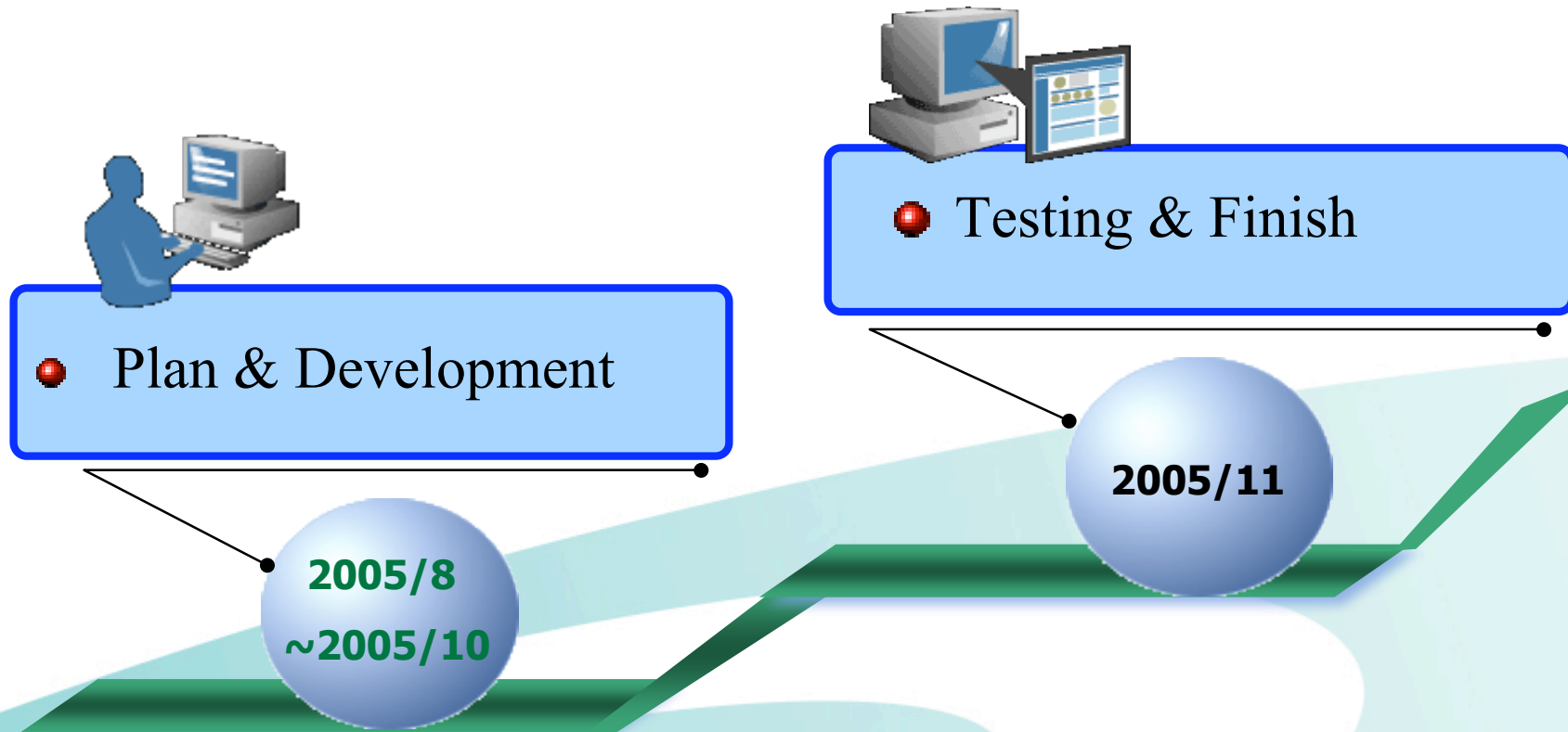# Analysis of the BGP Routing Table in Taiwan

Motivation

- Origin
  - In TWNIC 4th OPM, a project to analyze the BGP routing table in Taiwan was proposed by TWNIC and HiNet.
  - We are working with our members to develop this project,
  - Two IXs will provide BGP routing table raw data every week.

- Purpose
  - This project aims at analyzing BGP routing table and Whois DB in Taiwan, which will bring us the current status of IPv4 address and ASN used by LIRs.

Systems Architecture

Data Source	Analysis	Report
The BGP Routing Routing Table	The functions of Analyzing the BGP Routing Table function	The report of analysis

Analysis of the BGP Routing Table in Taiwan

Current Development Schedule

Plan & Development

Testing & Finish

2005/8
~2005/10

2005/11

Analysis Topics

- The statistics of Routing Aggregation

- The statistics of IP address in Routing Table

- The statistics of ASN in Routing Table

- The comparison on WHOIS DB and Routing Table

Thank You