IPv6 tunnel broker deployment project in Taiwan

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Outline

- Motivation
- Introduce IPv6 Tunnel Broker
- The Architecture of deploy IPv6 tunnel broker project
- Deployment Schedule
- Summary

Motivation

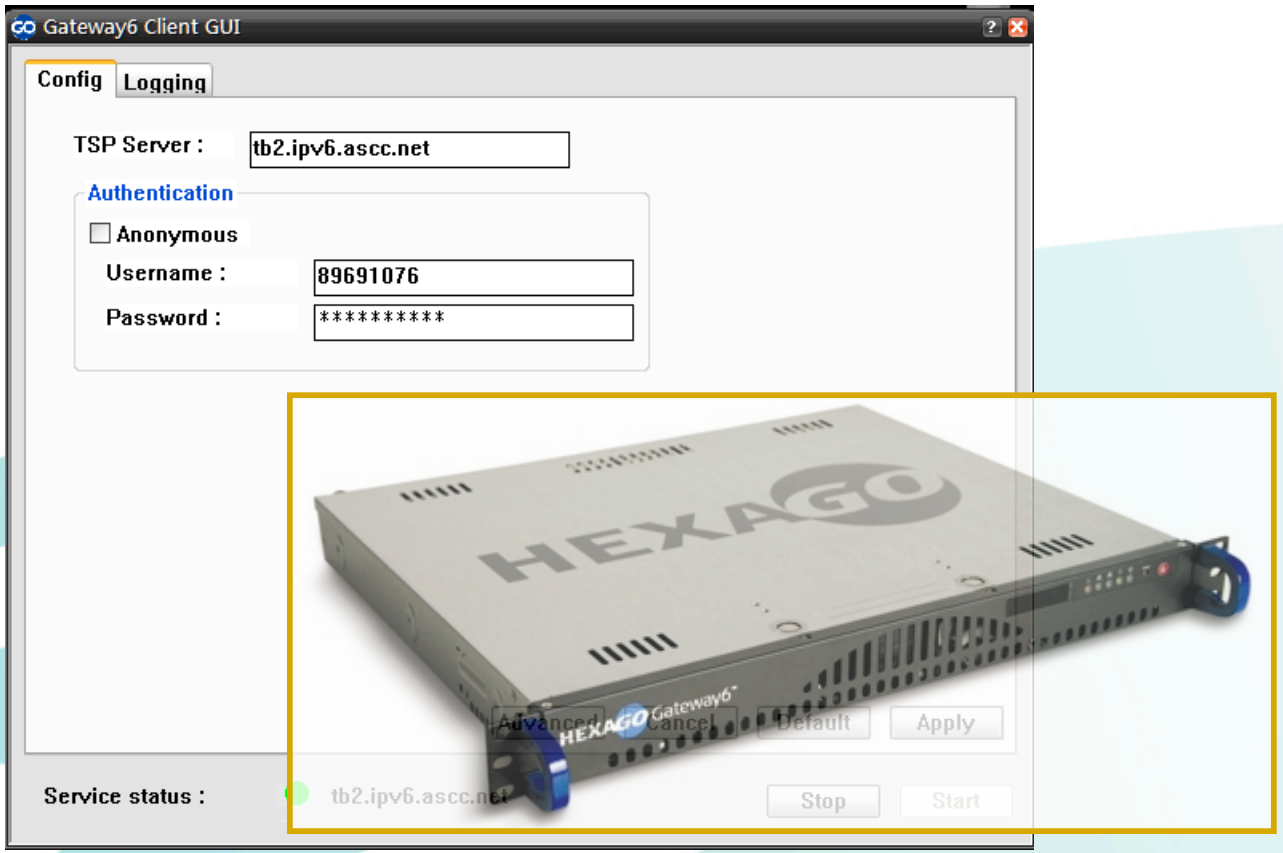
- Facing the issue of IPv4 exhaustion, we think the raising of IPv6 is a good method
- We can be easy and quickly to deploy IPv6 services.
- TWNIC conjoins with the 7 major ISPs to deploy IPv6 tunnel broker servers and provide free IPv6 tunnel broker service in Taiwan.

Introduce IPv6 Tunnel Broker

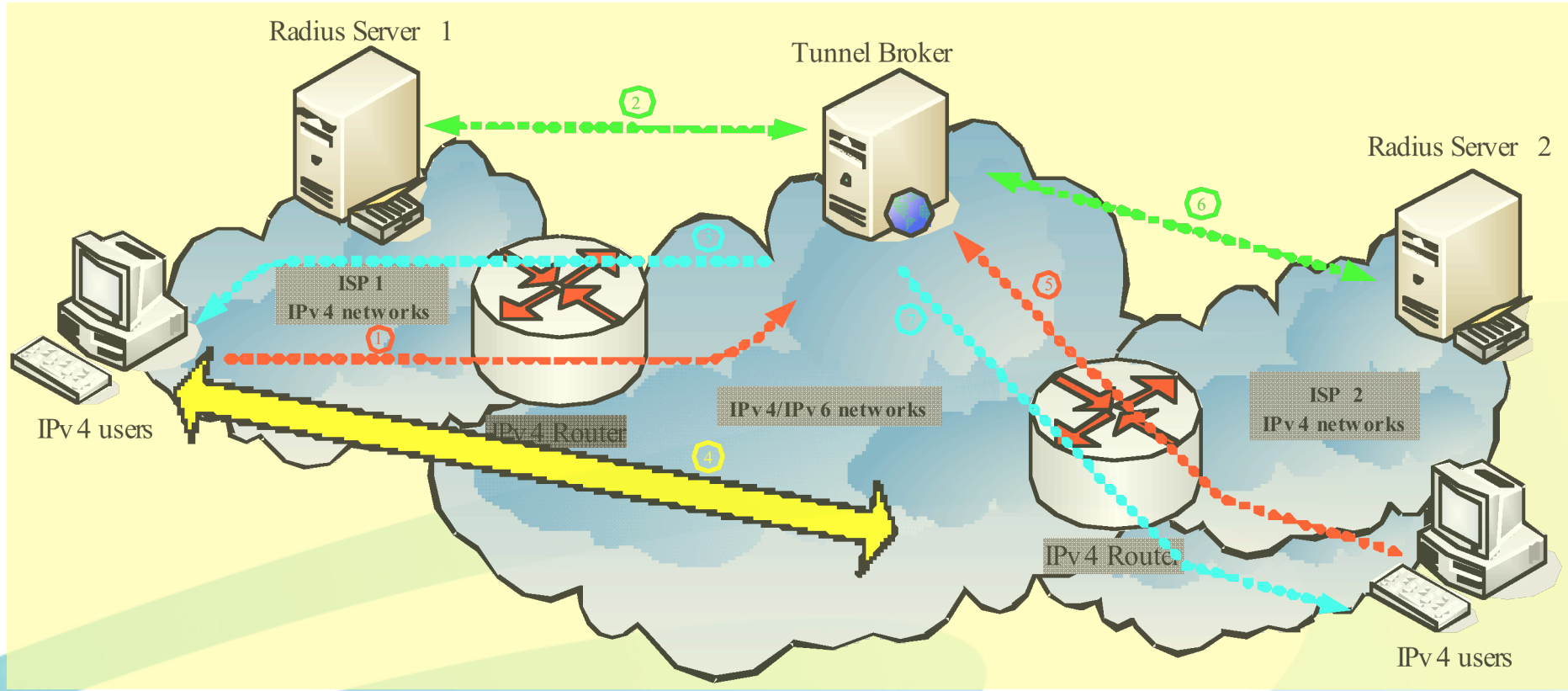
- The Components of IPv6 Tunnel broker
- The Process of IPv6 Tunnel Broker Service
- Tunnel Broker Service Pros and Cons

The Components of IPv6 Tunnel broker

- Gateway
  - We are using Hexago Gateway
- GUI Client
- DNS
- Radius



The Process of IPv6 Tunnel Broker Service

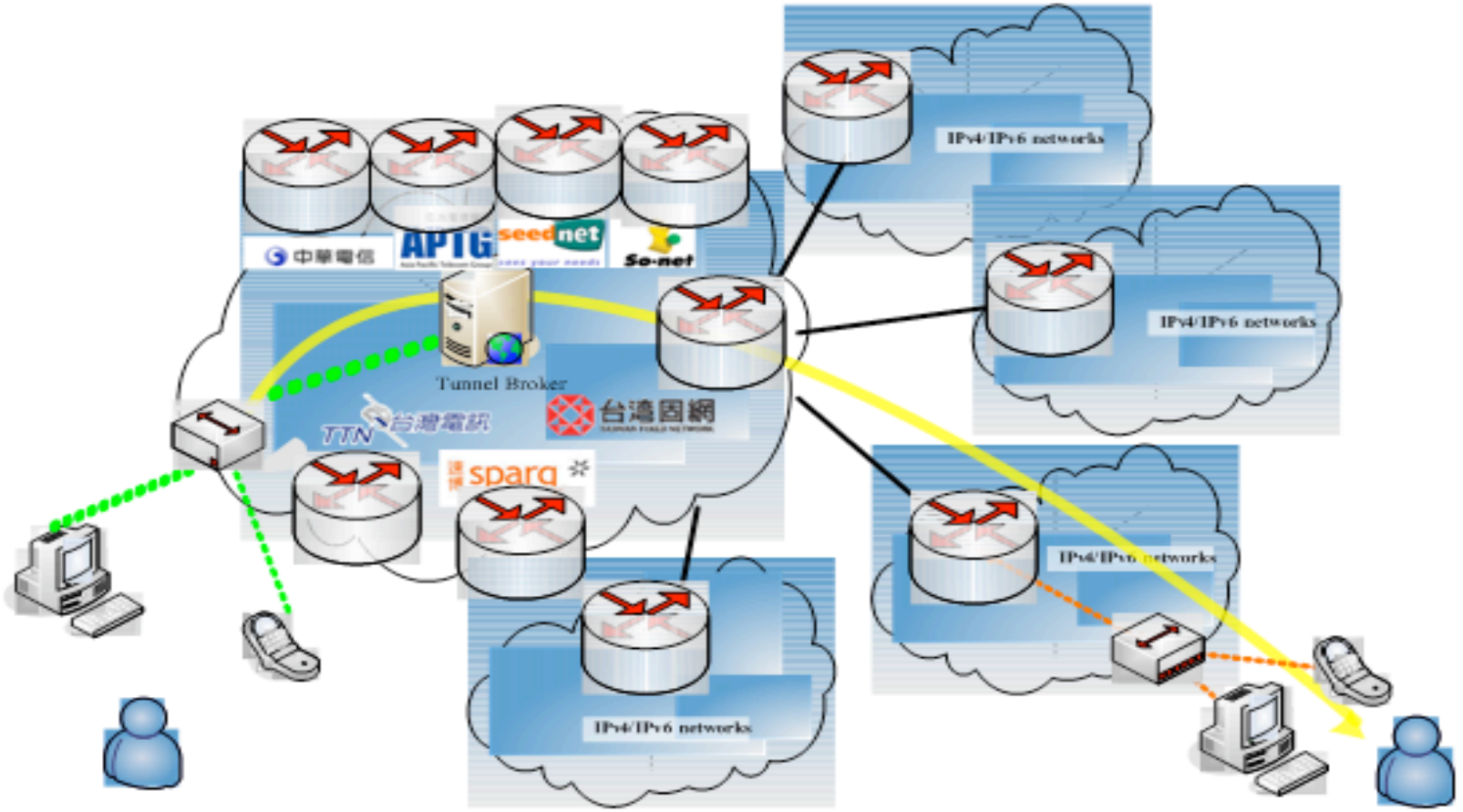


Tunnel Broker Service Pros and Cons

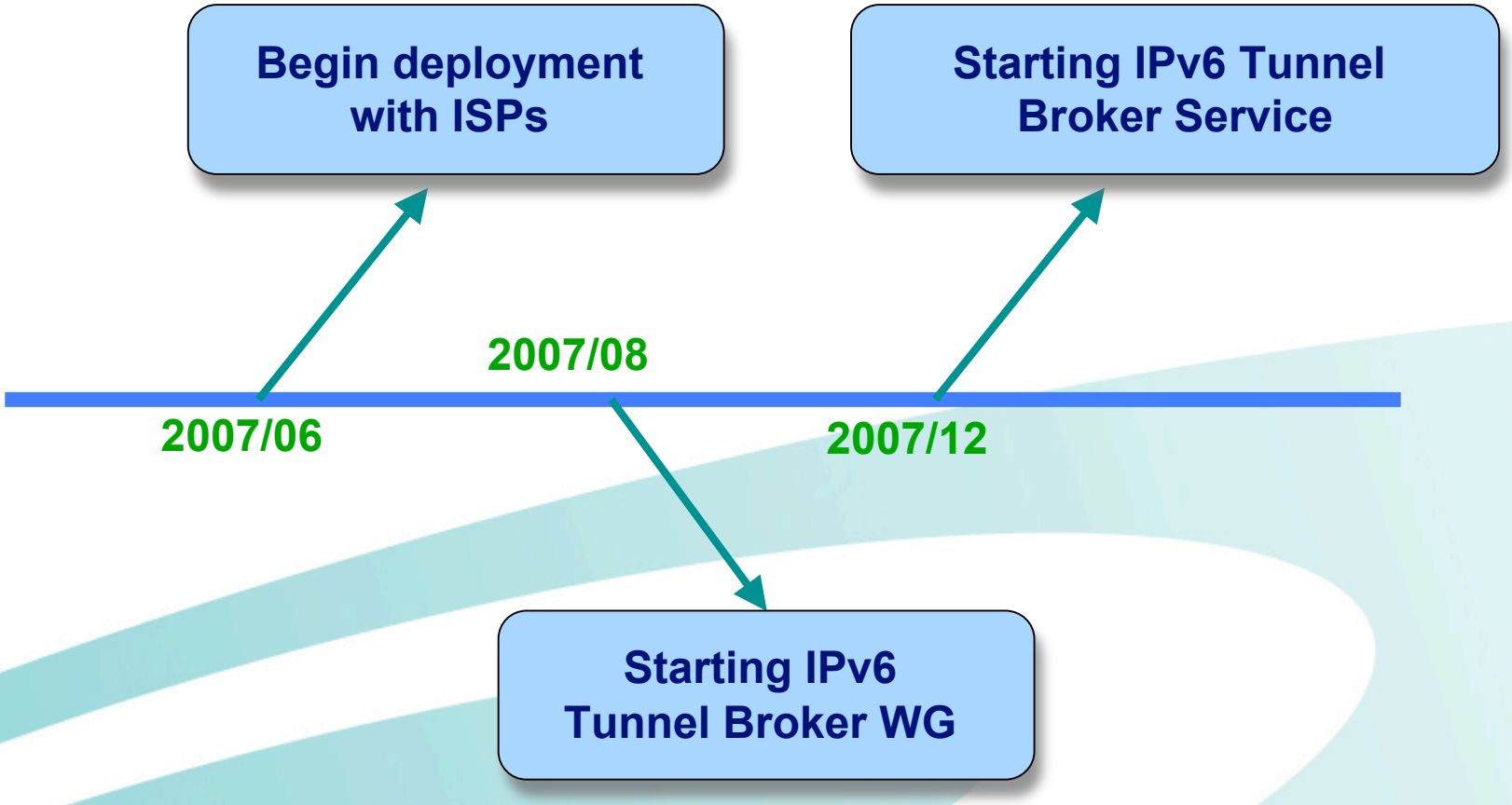
- Pros
  - AAA: Authentication, Authorization and Accounting with Radius
  - Support NAT Traversal
  - Wide OS support, including Windows, Unix, Solaris, MacOSX)
- Cons
  - Not Support QoS

The Architecture of the IPv6 tunnel broker project

- **IPv6 Tunnel Broker Service**
  We will deploy IPv6 tunnel broker service with 7 major ISP in Taiwan.



Deployment Schedule



Summary

- Introduce to IPv6 Tunnel Broker project in Taiwan.
- We expect that 30,000 persons use this service every day.
- We will provide IPv6 application.
  - VoIPv6, IPv6 Blog, IPv6 video, IPv6 P2P Service
- Next step, we will push ISPs to provide new IPv6 access service, such as FTTH/FTTB.

Thank You