

## Fact Sheet

### 「goIPv6」 free tunneling service

#### What is IPv6?

IPv6 (Internet Protocol version 6) is the next generation Internet Protocol (IP) address standard that provides a lot more IP addresses than IPv4 and will eventually replace IPv4, the protocol most Internet services use today.

#### Why transit to IPv6 ?

- IPv4 can only provide 4.3 billion unique addresses and we are now facing the shortage of IPv4 addresses.
- Freeing you from the constraints caused by the shortage of IPv4 addresses.
- With IPv6, a world of new possibilities for innovation opens up, as IPv6 exhibits numerous features which, when compared to IPv4, make it a more scalable and flexible framework to deploy future applications and services. To learn more about IPv6, please visit [www.ipv6now.hk](http://www.ipv6now.hk).

#### What is IPv6 tunneling?

IPv6 tunneling is an Internet protocol where IPv6 packets are encapsulated within IPv4 packets and carried through the IPv4 infrastructure. That is why users can communicate with others over the IPv6 network via tunneling even though they are only connected to the IPv4 network in reality.

#### What is the goal of goIPv6 Consortium?

The service aims to encourage the industry and network users to migrate to IPv6 as IPv4 addresses are running out. It also provides the local community with a chance to experience the next generation of Internet and be well prepared for Internet development and opportunities in the future.

#### What will you get from goIPv6 service?

You will get your own IPv6 address and a “tunnel” from your IPv4 setup to the IPv6 network through goIPv6 service. The “goIPv6” platform ([www.goipv6.hk](http://www.goipv6.hk)) allows users to easily set up their “IPv6 tunnels” by providing basic information such as IPv4 address and contact details. The users can get first-hand experience of connecting to IPv6 over IPv4 network and deepen the understanding of IPv6 migration. Also, it provides 7 x 24 local support for the Internet community. Hotline: 2319 2303. Email: [enquiry@goipv6.hk](mailto:enquiry@goipv6.hk).