



## Public calls for IPv6 deployment

### Internet Society Hong Kong supports World IPv6 Day and mobilizes the industry to deploy IPv6

**[Hong Kong– 8 June]** – According to Internet Society Hong Kong’s (ISOC HK) recent online survey, almost 65% of respondents believe that there is an urgent need to deploy the new Internet Protocol, IPv6, signalling the Internet community to speed up IPv6 deployment. IPv6 provides over four billion times more addresses than the current Internet Protocol version, IPv4, and will help connect the billions of people not connected today.

Today has been designated “World IPv6 Day”, as Internet conglomerates such as **Facebook** ([www.facebook.com](http://www.facebook.com)), **Google** ([www.google.com](http://www.google.com); [www.youtube.com](http://www.youtube.com)) and **Yahoo** ([www.yahoo.com](http://www.yahoo.com))--websites with more than one billion combined visits each day--are joining major content delivery networks **Akamai** and **Limelight Networks**, and the **Internet Society** (international headquarters of Internet Society Hong Kong), for the first global-scale trial of IPv6. This first global “test flight” of IPv6 will see the busiest websites around the world enable IPv6 capabilities for a 24-hour period.

Vint Cerf, Google’s Chief Internet Evangelist and co-inventor of the TCP/IP protocol stack, commented, “In the short history of the Internet, the transition to IPv6 is one of the most important steps we will take together to protect the Internet as we know it. It’s as if the Internet was originally designed with a limited number of telephone numbers, and we’re soon going to run out.”

“IPv6 is now essential for continuation of the Asia Pacific’s phenomenal Internet growth. It has gained momentum in the past 18 months, and to see global initiatives such as World IPv6 Day is very encouraging. APNIC is supporting this collective effort with a unique tool that allows content providers to gather critical information on visits to their sites. Our IPv6 Tracker tool can be accessed using simple website scripting, to count visitors using IPv6 and IPv4, with native or tunneled connections, and report both successful and failed visits. The tool and all the details are available from APNIC Labs at <http://labs.apnic.net>.” said Paul Wilson, Director General, Asia Pacific Network Information Centre (APNIC).

A survey on public awareness of IPv6, part of the **World IPv6 Day X IPv6World:Asia campaign**, shows almost 92% of the public have heard of IPv6. “We see the majority of the public is not only aware of IPv6; they also want the Internet to develop as most respondents believe that there is an urgent need to deploy IPv6,” said Che-Hoo Cheng, Executive Committee of ISOC HK and Convenor of IPv6 Working Group. “ISOC HK has been supporting IPv6 and promoting IPv6 awareness since 2007. The survey signals the Internet community to respond to the public’s call for IPv6 deployment, and we hope World IPv6 Day demonstrates that IPv6 is ready for prime time, thereby mobilizing the rest of the industry to accelerate IPv6 deployment.”

ISOC HK, following the initiative of IPv6World.Asia (<http://www.ipv6world.asia>) and echoing the headquarters’ support for World IPv6 Day, has initiated the **World IPv6 Day X IPv6World.Asia campaign**. ISOC HK invites content providers, telecommunication companies and all Internet industry players in Hong Kong as well as the HKSAR government to join and support World IPv6 Day. Leading IT companies and institutions such as Cyberport, HKIRC, PCCW, Cisco Systems, NTT Communications Group, Sony Corporation and Huawei are also supporting World IPv6 Day today to ensure a successful transition to IPv6.



ipv6w0rld:asia × World IPv6 Day  
www.ipv6world.asia

“World IPv6 Day’ provides a good opportunity for the community and SMEs to understand the importance of IPv6 and the potential opportunities,” said David Chung, Chief Technology Officer of Cyberport. “With the rapid development of the Internet, cloud computing and the ‘Internet of things’ will become an integral part of the next generation Internet. IPv6 will provide enterprises with sustainable infrastructure support for the R&D of their products, services and network devices, ensuring the Internet continues to contribute to Hong Kong’s economy as well as the global economy. Cyberport will continue to be an advocate for the ICT industry, helping SMEs and the public to get to know about the benefits of IPv6, and guide them to explore the unlimited opportunities created by the Internet.”

World IPv6 Day marks a key milestone in enabling more and more computers and smart phones to come online. IPv6 will be critical for the Internet to reach its full potential as a catalyst for growth, innovation and economic prosperity.

#### **About World IPv6 Day:**

On 8 June, 2011, [Google](#), [Facebook](#), [Yahoo!](#), [Akamai](#) and [Limelight Networks](#), partnered with the Internet Society, will be amongst some of the major organizations that will offer their content over IPv6 for a 24-hour “test flight”. The goal of the Test Flight Day is to motivate organizations across the industry – Internet service providers, hardware makers, operating system vendors and web companies – to prepare their services for IPv6 to ensure a successful transition as IPv4 addresses run out.

Check out World IPv6 Day at <http://isoc.org/wp/worldipv6day/>

Participants of World IPv6 Day: <http://isoc.org/wp/worldipv6day/participants/>

Global Press Release: <http://isoc.org/wp/newsletter/?p=2902>

World IPv6 Day X IPv6World:Asia: [www.ipv6world.asia](http://www.ipv6world.asia)

#### **Hosts:**

Internet Society Hong Kong (ISOC HK)

Hong Kong Cyberport Management Co Ltd (Cyberport)

#### **Co-hosts:**

Asia Pacific Network Information Centre (APNIC)

DotAsia Organisation (DotAsia)

Hong Kong Internet Exchange (HKIX)

Hong Kong Internet Registration Corporation (HKIRC)

Hong Kong Internet Service Providers Association (HKISPA)

IPv6 Forum Hong Kong



Quotes from Co-hosts

### **DotAsia Organisation (DotAsia)**

"DotAsia is committed to encouraging the deployment of next generation Internet technologies including IPv6, DNSSEC and IDN (Internationalized Domain Names). While the transition to IPv6 marks one of the most important steps for the expansion of the Internet, the full deployment of IDN recognizes another fundamental upgrade of the Internet for the billions of people who do not speak English as a first language. Like IPv6, which will help further widen the reach of the Internet, IDN enhances accessibility and search engine optimization (SEO) for businesses.

As a not-for-profit organisation with a mandate to promote Internet development and adoption in Asia, DotAsia actively contributes to Asia's transition towards IPv6. From its beginning in 2008, the DotAsia registry is fully IPv6 ready, in 2010, the ".Asia" zone became DNSSEC signed, and this year in 2011, IDN Sunrise and Landrush for the ".Asia" domain is launched."

----Edmon Chung, Chief Executive Officer, DotAsia Organisation

### **Hong Kong Internet Exchange (HKIX)**

"As the local Internet exchange point, Hong Kong Internet Exchange (HKIX) started operating our IPv6 exchange service in 2004. We would like to encourage more IPv6 deployment in Hong Kong and we are so happy to share our real cases on IPv6 deployment at the KickStart IPv6! Seminar.

To support the World IPv6 Day, we made an announcement earlier to our HKIX members and FTNS operators advising them to avoid scheduling maintenance or testing activities at HKIX on June 8, 2011 from 00:00 to 23:59 UTC (i.e. 08:00 June 8, 2011 to 07:59 June 9, 2011 Hong Kong Time). As a matter of fact, we have been actively working with academic institutions on IPv6 R&D projects over the past several years. Earlier we established a partnership with an industry player to provide Hong Kong Internet Exchange members, including regional and local ISPs and mobile operators, with a global IPv6 connectivity trial service. We hope this will facilitate the R&D of the next generation Internet in the region, and the application of the technology into real world situations."

----- Philip Leung, Managing Director, HKIX

### **Hong Kong Internet Registration Corporation (HKIRC)**

"World IPv6 Day is a significant event not only for companies and organisations using the Internet to run their business, but also application developers and system integrators who are developing next generation applications that enhance people's lifestyles as well as bring more business opportunities locally and globally. HKIRC encourages IPv6-enabled users to access as many IPv6 ready websites as possible and report problems, if any. Understanding that timely adoption of IPv6 in Hong Kong is critical, so let's work together to make it happen soon."

--- Jonathan Shea, Chief Executive Officer, HKIRC

### **Hong Kong Internet Service Providers Association (HKISPA)**

"Promoting development of Internet infrastructure, fair market competition, and the growth of the Internet industry in Hong Kong has always been the mission of Hong Kong Internet Service Providers Association (HKISPA). Supporting World IPv6 Day X IPv6 World:Asia is one of our efforts to mobilize the community, especially ISPs in Hong Kong, to begin IPv6 deployment.



We are well aware that IPv4 was fully depleted earlier this year and without action, we risk increased costs and limited online functionality for Internet users. Adoption of IPv6 is the only long-term solution. We hope the large scale test flight today will demonstrate to the industry that IPv6 is ready for prime time.”

-----York Mok, Chairman, HKISPA

## About Internet Society Hong Kong

Internet Society Hong Kong (ISOC HK) is the local chapter organization of the Internet Society (ISOC), which is an international, professional, not-for-profit membership society with more than 100 organizations and more than tens of thousands individual members in over 90 chapters around the world, providing leadership in all issues confronting the current and future Internet. ISO-HK was formed in 2005 by local veteran Internet professionals with the mission to improve the practice of Internet governance and online civil society in Hong Kong. Consistent with the ISOC statement of purpose, ISOC HK believes in “maintaining and extending the development and availability of the Internet and its associated technologies and applications - both as an end in itself, and as a means of enabling organizations, professions, and individuals locally and worldwide to more effectively collaborate, cooperate, and innovate in their respective fields and interests.” For more detailed information of Internet Society Hong Kong, please visit [www.isoc.hk](http://www.isoc.hk)

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### Appendix—Result of survey on public awareness of IPv6

Have you ever heard of IPv6?		
Answer Options	Response Percent	Response Count
Yes	92.0%	218
No	8.0%	19
<i>answered question</i>		<b>237</b>

Have you heard of World IPv6 Day?		
Answer Options	Response Percent	Response Count
Yes	49.8%	118
No	50.2%	119
<i>answered question</i>		<b>237</b>

Do you know why we have to deploy IPv6? (can tick for more than one option)		
Answer Options	Response Percent	Response Count
Running out of IPv4 address space	88.6%	210
IPv6 provides many billion times bigger address space than IPv4 and help ensure the Internet can continue to grow at an ever increasing rate	71.7%	170
Deployment of IPv6 is the trend of the Internet industry	32.1%	76
Better security for IPv6 address space, with faster Internet connection	33.8%	80
I have no idea why we have to deploy IPv6	7.2%	17
<i>answered question</i>		<b>237</b>

Do you think there is urgent need to deploy IPv6?		
Answer Options	Response Percent	Response Count
Yes	64.6%	153
No	10.5%	25
No opinion	24.9%	59
<i>answered question</i>		<b>237</b>

### Do you know any companies/websites that are already IPv6 capable?

Answer Options	Response Percent	Response Count
No	66.7%	158
Yes (please specify the company names/websites)	33.3%	79
<b>answered question</b>		<b>237</b>

### Do you know any companies/websites that are planning IPv6 deployment?

Answer Options	Response Percent	Response Count
No	84.8%	201
A. Yes (please specify the company names/websites)	15.2%	36
<b>answered question</b>		<b>237</b>

### Have you ever encountered/heard of any difficulties on IPv6 deployment?

Answer Options	Response Percent	Response Count
No	69.2%	164
Yes (please specify the difficulties you encountered/heard)	30.8%	73
<b>answered question</b>		<b>237</b>

### When do you want to access to IPv6 enabled websites?

Answer Options	Response Percent	Response Count
As soon as possible	24.8%	59
Whenever the infrastructure for IPv6 ready	42.4%	101
Not urgent	15.1%	36
I have no opinion	17.6%	42
<b>answered question</b>		<b>238</b>

### Do you know whether your device (e.g. computer, smartphone etc.) is already IPv6 enabled?

Answer Options	Response Percent	Response Count
Yes, my device is already IPv6 enabled	43.7%	104
No, my device is not IPv6 enabled	16.0%	38
I have no idea whether my device is IPv6 enabled	40.3%	96
<b>answered question</b>		<b>238</b>



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[www.ipv6world.asia](http://www.ipv6world.asia)