

go IPv6 Now!

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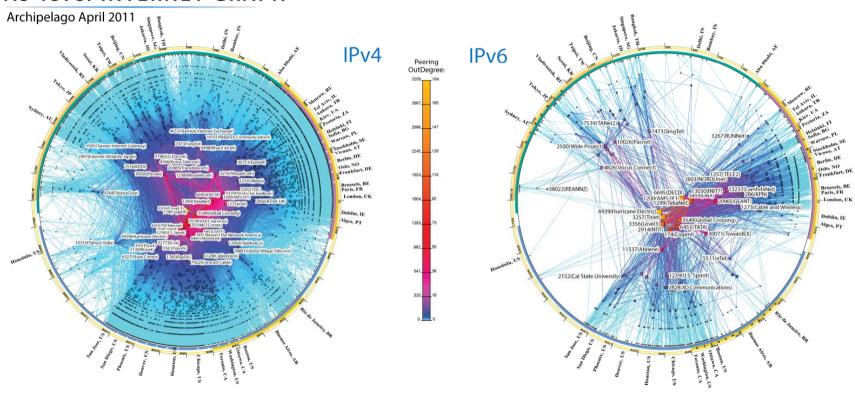
11 July 2013





hk IPv4 and IPv6 Internet Topology at a Macroscopic Scale (2011)

CAIDA'S IPv4 & IPv6 AS Core AS-level INTERNET GRAPH

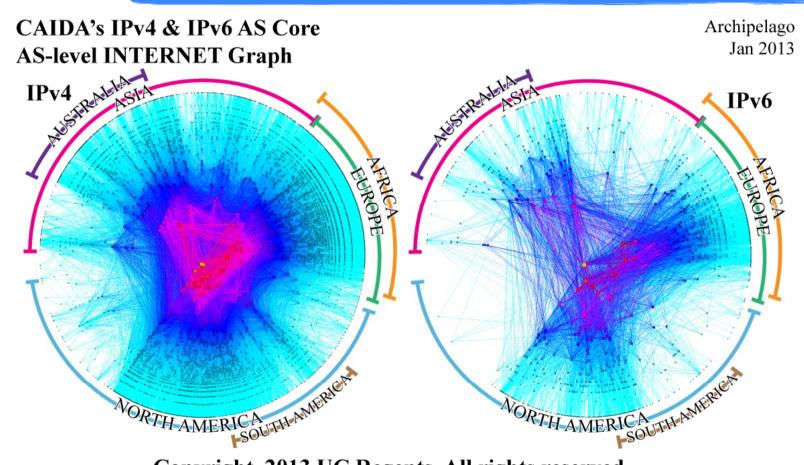


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Source: http://www.caida.org



hk IPv4 and IPv6 Internet Topology at a Macroscopic Scale (2013)



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hk IPv4 and IPv6 Internet Topology at a Macroscopic Scale

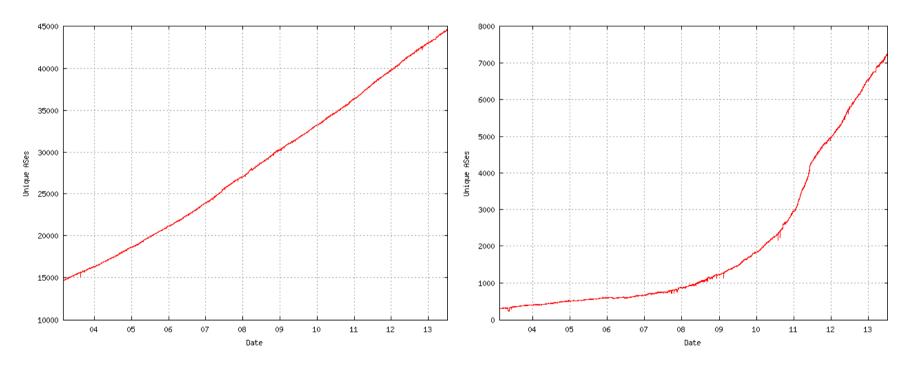
caida.org	2011	- 2	2013	
IPv6 addresses	14,68	83	36,0)55
IPv6 links	33,92	27	91,4	120
Destinations	307	k	2	2 m
Globally routeable network prefixe	71.90	%	82.20)%
Autonomous Systems (ASes)	1,13	83	2,4	119.



AS number count



IPv6 (7240)



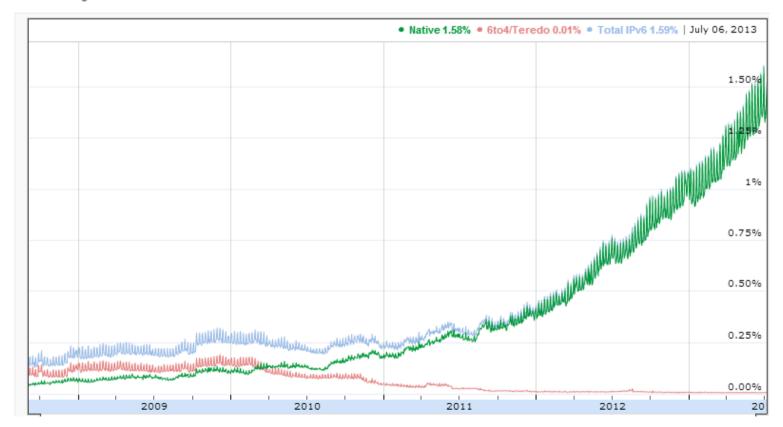
Source: http://bgp.potaroo.net



Google IPv6 adoption measurements

IPv6 Adoption

We are continuously measuring the availability of IPv6 connectivity among Google users. The graph shows the percentage of users that access Google over IPv6.





GO IPV6 Now!

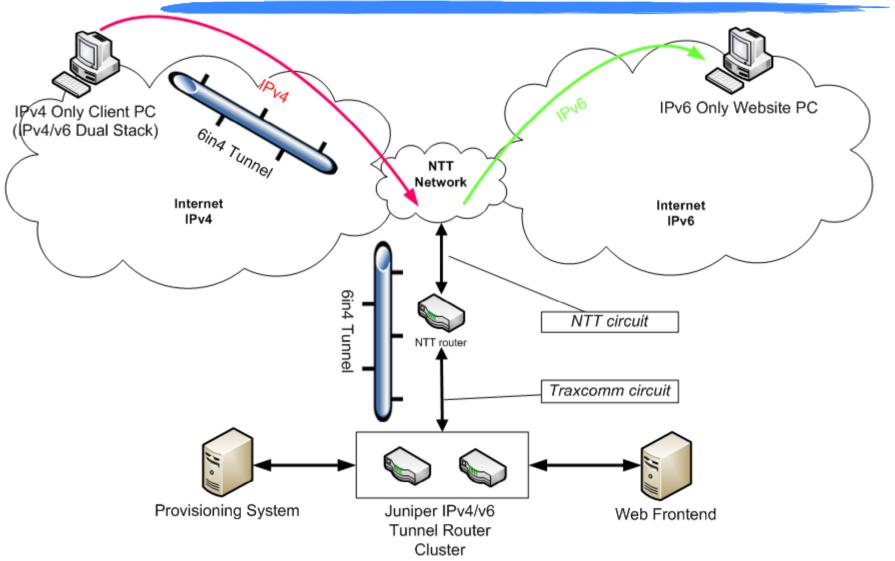


What is golPv6?

- Free "IPv6 Tunneling" Service
 - 6in4 tunnel, protocol 41
- Create user a/c online
- With an email address and basic contact info
- IPv4 address
- Set-up and tunnel creation time: ~10 minutes



What is goIPv6?





Registration Websites Functions (1)

- Account creation, with CAPTCHA
- Email verification
- Login, and password reset
- Account info update
- 3 Tunnels create, delete, show status
- IPv6 /64 blocks assignment



Registration Websites Functions (2)

- Real time tunnel creation at the router
- Suspend and resume tunnel
- Tunnel timeout and remove inactive
- Bandwidth limit
- System health and performance monitoring
- Usage reports





The goIPv6 service is currently by invitation only as we are testing the service platform. Please email to eoi@goipv6.hk. If you are interested and we will contact you once the service is available for public registration.

FAQ

Register as new user

Existing User		
Account Name		
Password		
	Login	

Forget Password

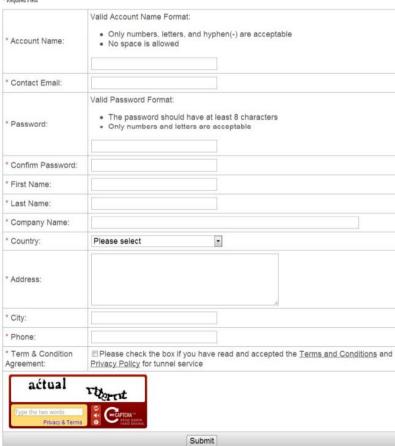




Sign up for goIPv6

Back to main page

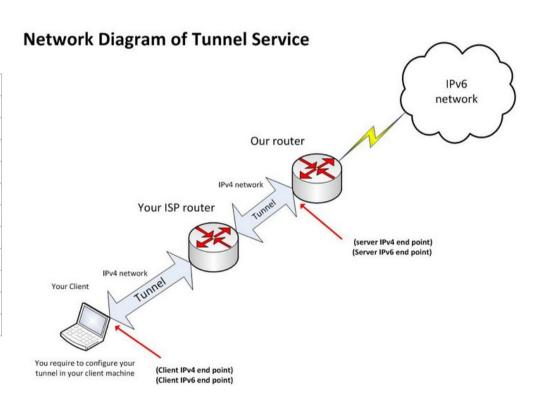
* Required Field





Tunnel creation

Tunnel Name:	ericsun-tunnel-01	
Created Date:	2013-06-13	
Last Modified Date:	2013-06-13	
IPv6 Tunnel End poi	ints	
Server IPv4 Address:	218.213.65.154	
Server IPv6 Address:	2001:2e0:6001:0002:8006::1/80	
Client IPv4 Address:	152.101.153.41	
Client IPv6 Address:	2001:2e0:6001:0002:8006::2/80	
Routed IPv6 Prefixe	s	
Routed /80:	2001:2e0:6001:0002:a006::/80	





Other considerations

- SSL enabled website
- Prevention of SMTP abuse
- Prevention of Malware linkage
- Bandwidth monitoring and connection speed limit
- "Black hole" filtering null route destination for malicious traffic



IPv6 client/tools for testing

- test-ipv6.com
- Looking Glass
 - NTT (http://www.us.ntt.net/support/lookingglass/)
 - HKIX (http://www.hkix.net/hkix/hkixlg.htm)

Use goIPv6 tunnel to create a test client



test-ipv6.com





Why is goIPv6?

• It's free

It's easy and takes no time

It's ready Now!



Why is goIPv6?

Zero cost testing opportunity

Be among the local forerunners

Test your new business models and services



THANK YOU!!