

# Status of IPv6 Deployment at XS4ALL

# Who are we?

- One of the first dutch internet providers
- Established on May 1st 1993
- Acquired by KPN in 1998
- Approximately 300k DSL subscribers
- FTTH since October 2011
- Personal website, e-mail
- Hosting services, shared and dedicated
- Colocation

# Current status

XS4ALL native IPv6 on DSL in production since August 26 2010

**Internet Start abonnement (XS4ALL Only)**

Gebruikersnaam	[redacted]	
IPv4 adres	[redacted]	
IPv6-adres	geen	activeren
hostnaam	[redacted].adsl.xs4all.nl	aanpassen
poortbeveiliging	Niveau 3	aanpassen
ServicePlus	nee	bestel

15.000 /48 prefixes registered

## CPE

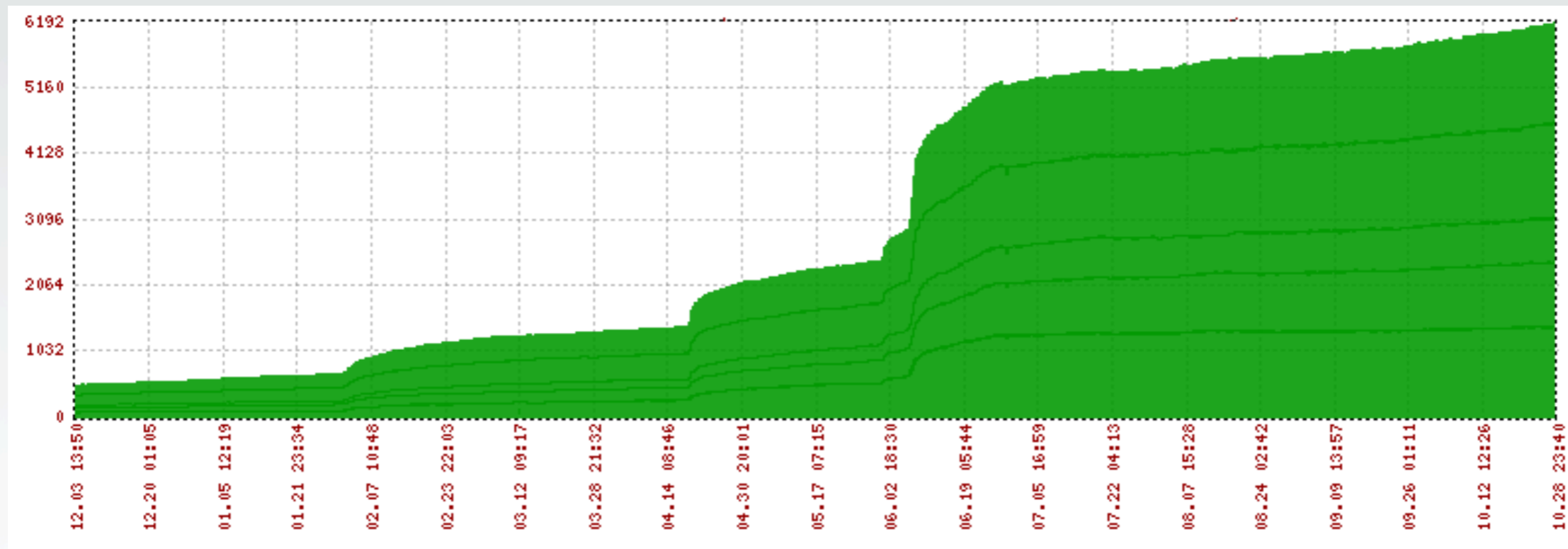
The screenshot displays the FRITZ!Box 7340 web interface. The top navigation bar includes the FRITZ! logo, the device name 'FRITZ!Box 7340', and utility links for 'Log off', 'Expert Mode: Expert', 'Contents', and 'Help'. A left-hand sidebar contains a menu with categories: Overview, Internet (with sub-items like Online Monitor, Account Information, Filters, Permit Access, DSL Information), Telephony, Home Network, WLAN, DECT, System, and Wizards (with sub-item Configuration, Updates, Teleph). The main content area is titled 'IPv6 Settings' and has tabs for 'Settings', 'IPv6', 'IPv4', and 'Provider Services'. The 'IPv6' tab is active, showing a status message: 'For connections to the IPv6 Internet, FRITZ!Box supports native IPv6 and various tunnel protocols. Using tunnel protocols you can connect to the IPv6 Internet even if your selected Internet Service Provider does not yet support native IPv6.' Below this is a table of IPv6 configuration details:

Connected since	06.05.2011 20:05
Global IPv6 address of the FRITZ!Box	2001:980:5[redacted]
Global IPv6 address obtained via	DHCP IA_PD
Global IPv6 address is valid for	6230/6230s
IPv6 MTU	1452
Global IPv6 prefix	2001:980:5[redacted]
Global IPv6 prefix is valid for	6230/6230s
Primary IPv6 DNS server	2001:888:0:6::66
Secondary IPv6 DNS server	2001:888:0:9::99

A 'Refresh' button is located below the table. The 'IPv6 Support' section has a checked checkbox for 'IPv6 support enabled'. The 'IPv6 Connectivity' section has three radio button options: 'Detect settings automatically (recommended)' (unselected), 'Always use a native IPv6 connection' (selected), and 'Always use a tunnel protocol for the IPv6 connection' (unselected). The 'Connection Settings' section has a selected radio button for 'Automatically negotiate a global address'.

# The real numbers

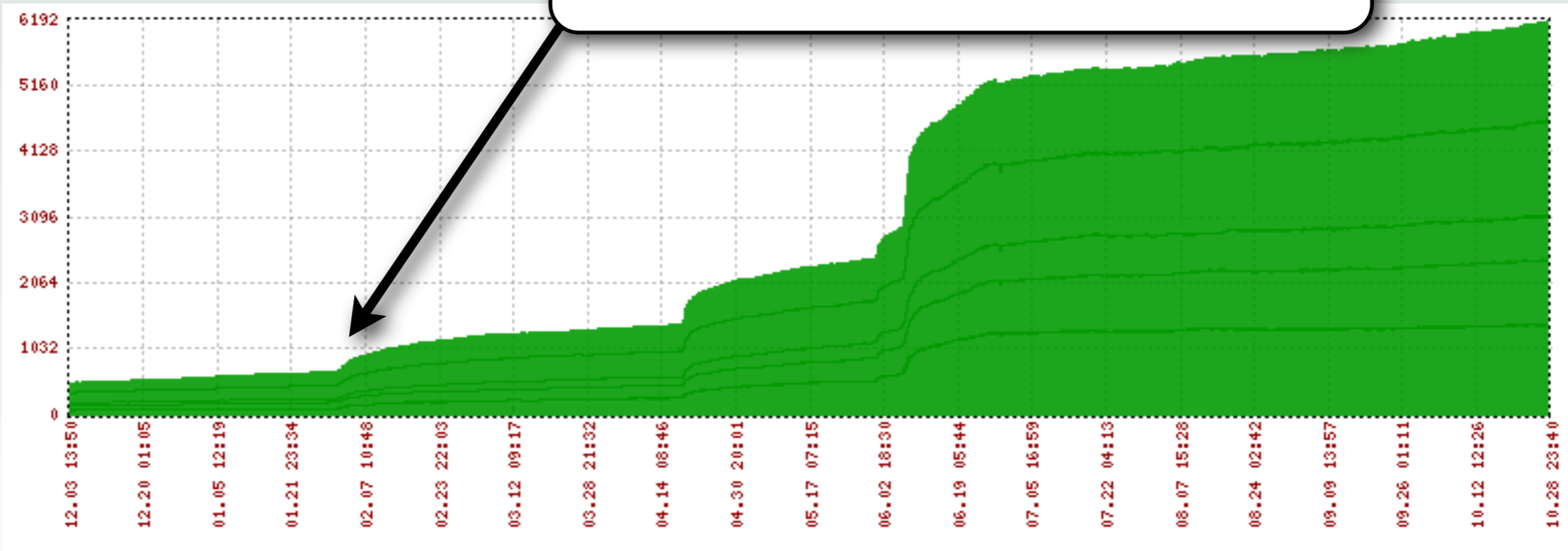
Currently 6200 active prefixes





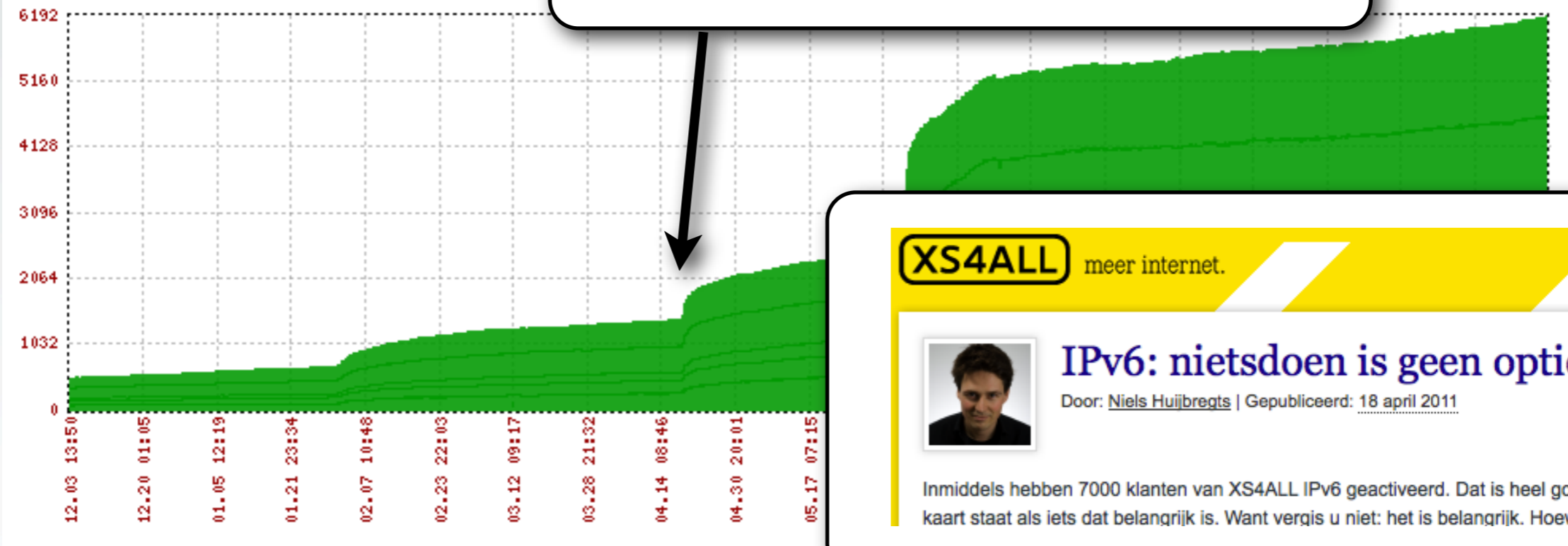
# The real numbers

End of January 2011: AVM releases CPE firmware that supports IPv6 over PPPoA



# The real numbers

April 2011: Company blog article about IPv6



**XS4ALL** meer internet.

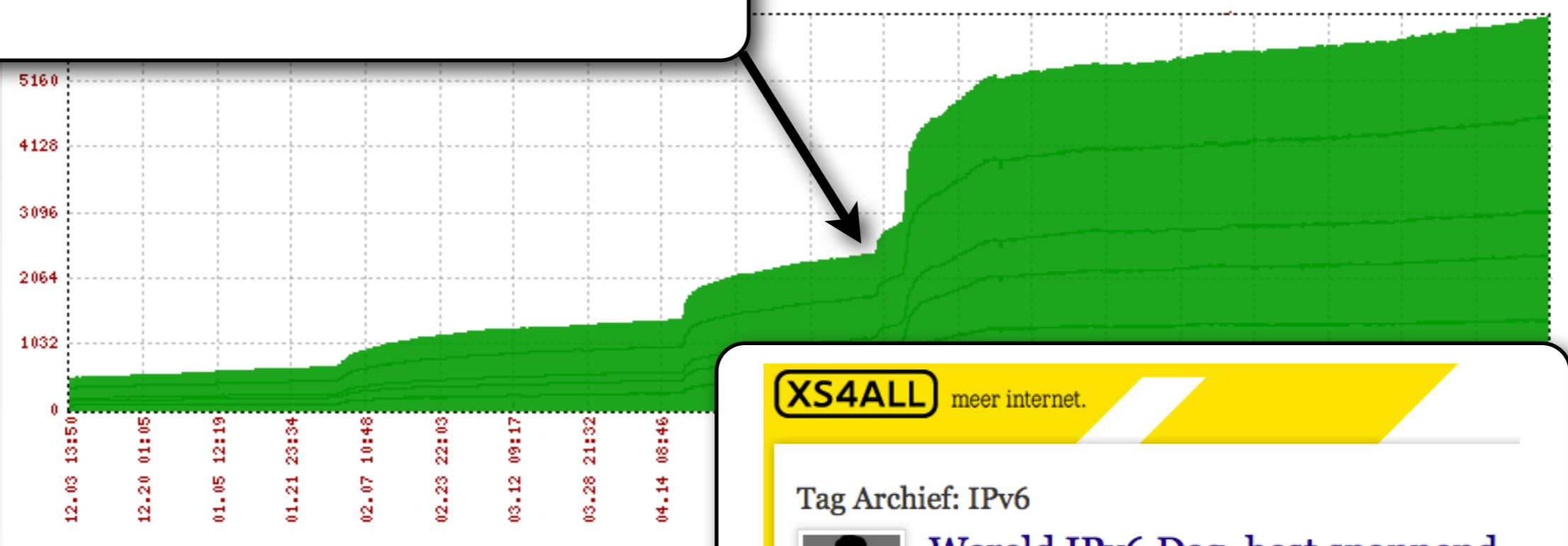


**IPv6: nietsdoen is geen optie**  
 Door: [Niels Huijbregts](#) | Gepubliceerd: 18 april 2011

Inmiddels hebben 7000 klanten van XS4ALL IPv6 geactiveerd. Dat is heel goed. Het kaart staat als iets dat belangrijk is. Want vergis u niet: het is belangrijk. Hoewel

# The real numbers

June 2011: Company blog posting about World IPv6 Day



**XS4ALL** meer internet.

Tag Archief: IPv6

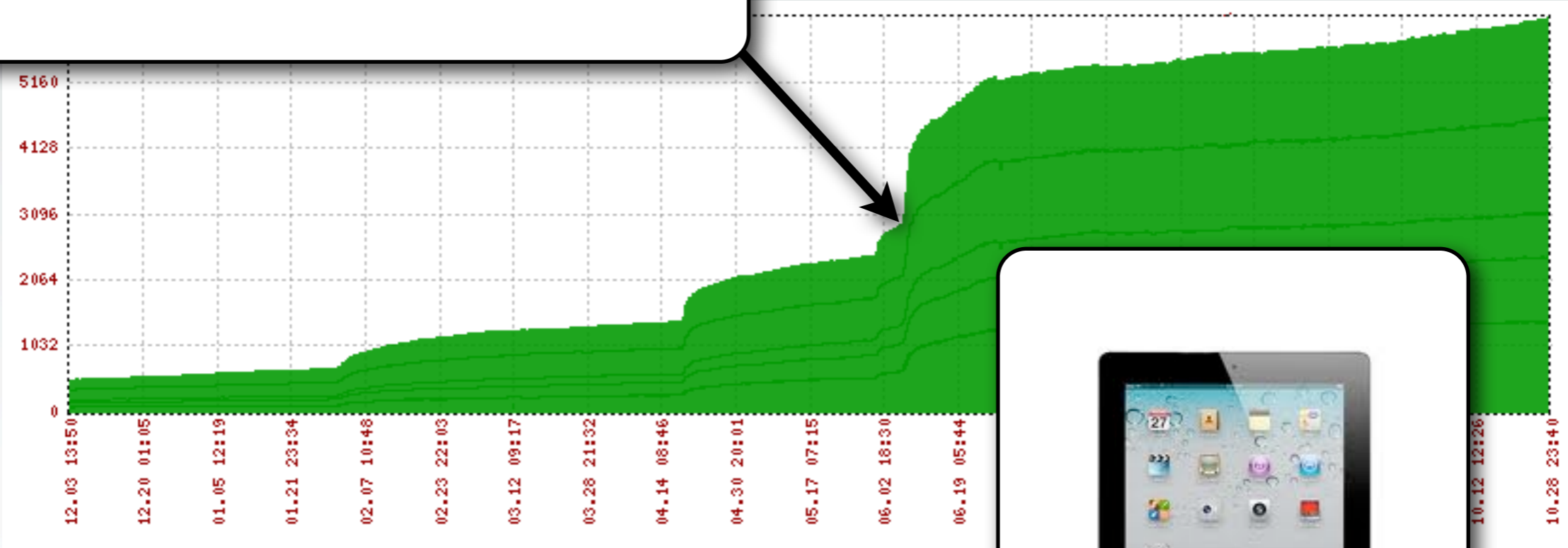
**Wereld IPv6 Dag, best spannend.**  
 Door: [Timo](#) | Gepubliceerd: 1 juni 2011

Op 8 juni 2011 is het Wereld IPv6 Dag. Op die dag werken veel grote websites samen om groot deel van internet via zowel IPv4 als IPv6 adressen bereikbaar te maken. Het is een soort te...

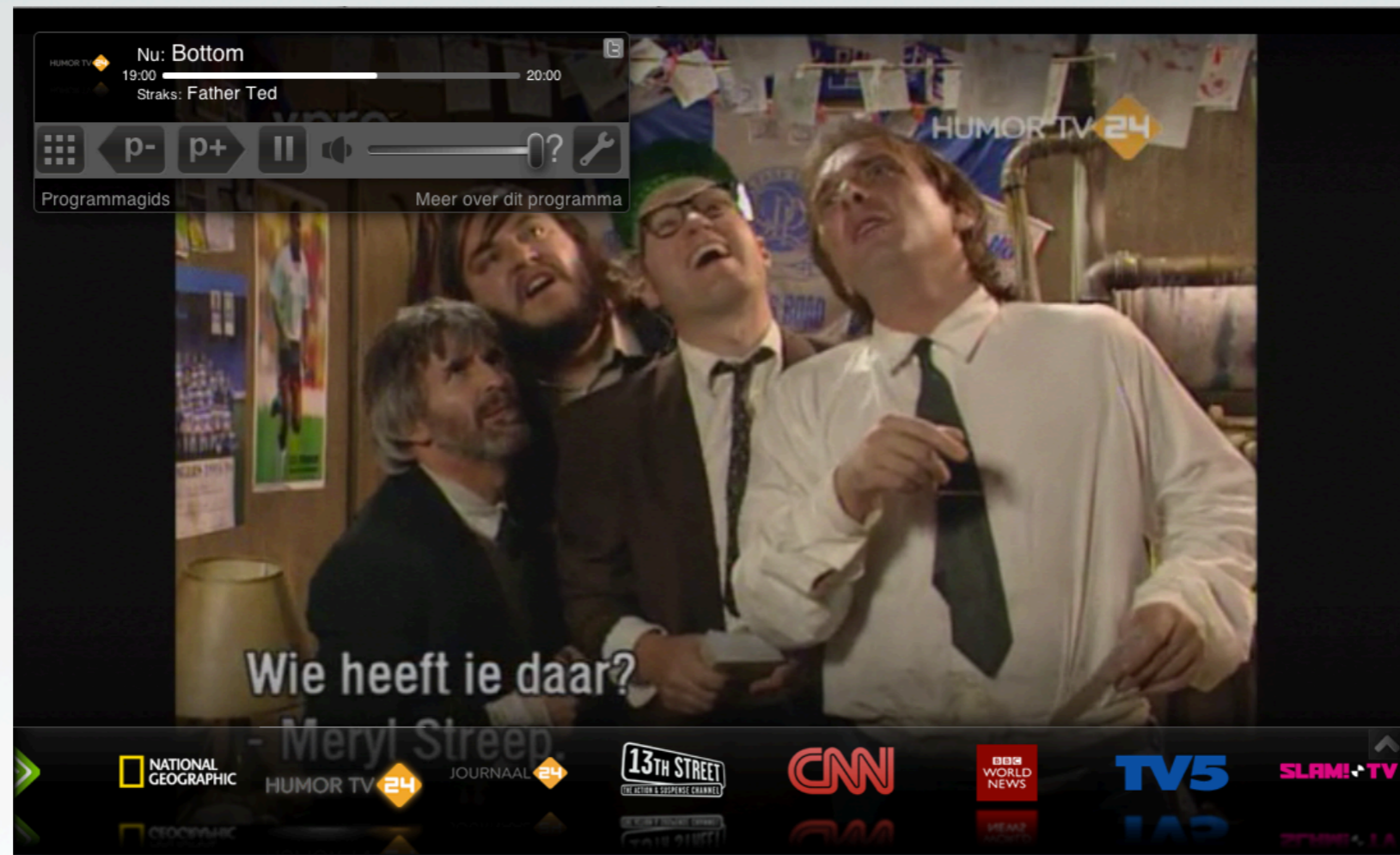


# The real numbers

June 8 2011: World IPv6 Day including prize draw



# New services



Web TV, Dual stack portal and media streams

# Recently tested hardware

Zyxel 2812HNU-F1

Fully working on PPPoA and PPPoE, including DHCPv6 server on LAN.



Thank you!