

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
hostnaam	[redacted].adsl.xs4all.nl
poortbeveiliging	Niveau 3
ServicePlus	nee

[activeren](#)[aanpassen](#)[aanpassen](#)[bestel](#)

15.000 /48 prefixes registered



The screenshot displays the FRITZ!Box 7340 web interface. The top navigation bar includes links for Log off, Expert Mode: Expert, Contents, and Help. The left sidebar contains a menu with categories like Overview, Internet, Telephony, Home Network, WLAN, DECT, and System, each with sub-links. 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 table of connection details and a list of configuration options.

FRITZ!Box 7340

Log off Expert Mode: Expert Contents Help

IPv6 Settings

Settings IPv6 IPv4 Provider Services

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.

Connected since	06.05.2011 20:05
Global IPv6 address of the FRITZ!Box	2001:980:3::...
Global IPv6 address obtained via	DHCPv6 IA_PD
Global IPv6 address is valid for	6230/6230s
IPv6 MTU	1452
Global IPv6 prefix	2001:980:3::...
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

Refresh

IPv6 Support

☒ IPv6 support enabled

IPv6 Connectivity

☐ Detect settings automatically (recommended)
First the software will attempt to negotiate native IPv6. If this fails, a 6to4 tunnel will be established.

☒ Always use a native IPv6 connection
For this operation mode your Internet Service Provider must support native IPv6 on your line.

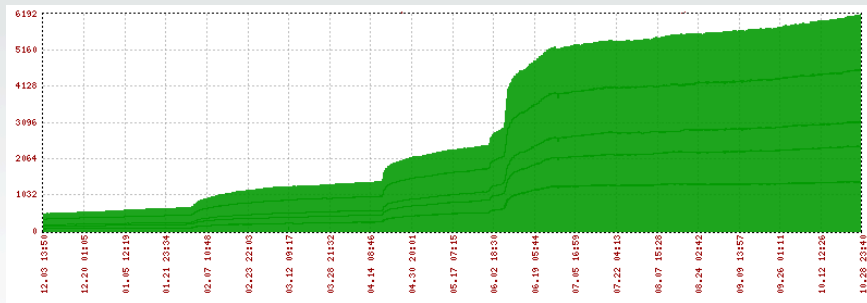
☐ Always use a tunnel protocol for the IPv6 connection
Use IPv6 with a tunnel protocol over a conventional IPv4 connection. To use this operating mode your Internet Service Provider does not have to support IPv6.

Connection Settings

☒ Automatically negotiate a global address
First FRITZ!Box attempts to determine the global address from the router advertisement of the provider. Then an address is requested via DHCPv6. If this fails, an address from the first /64 subnet of the determined prefix is used.

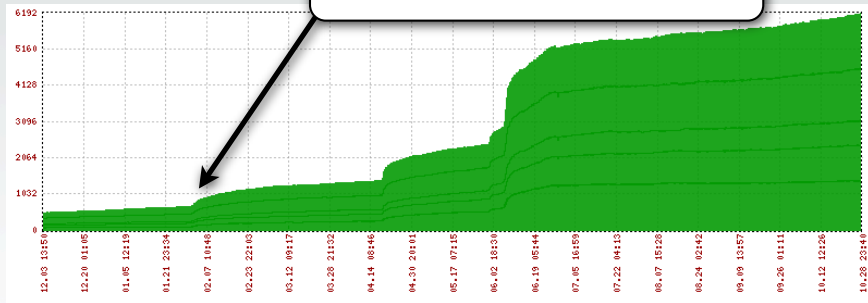
The real numbers

Currently 6200 active prefixes



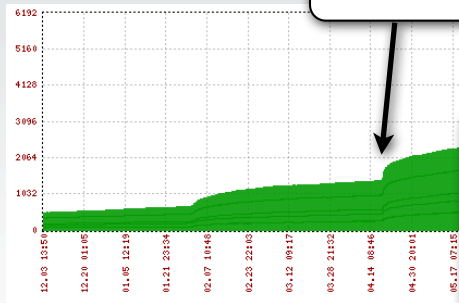
The real numbers

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.



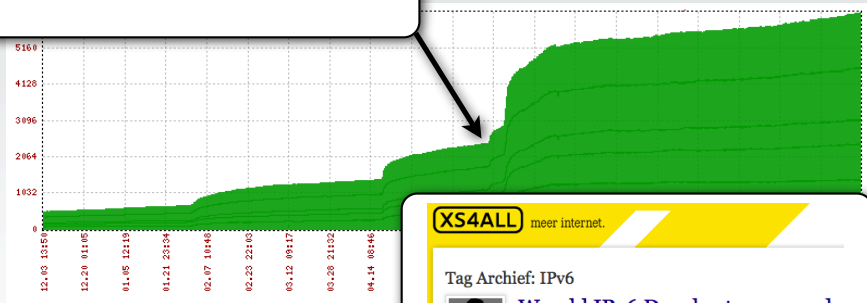
IPv6: nietsdoen is geen optie

Door: [Niels Huijbregts](#) | Gepubliceerd: 18 april 2011

Inmiddels hebben 7000 klanten van XS4ALL IPv6 geactiveerd. Dat is heel goed! 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



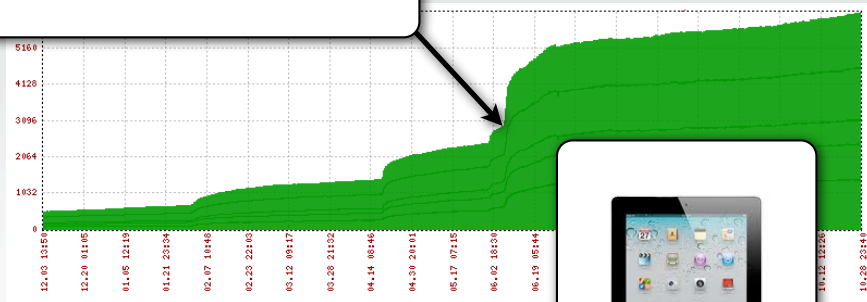
Wereld IPv6 Dag, best spannend.

Door: [Time](#) | Gepubliceerd: 1 juni 2011

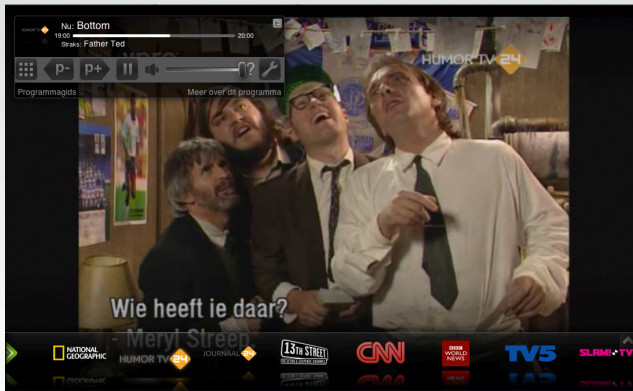
Op 8 juni 2011 is het Wereld IPv6 Dag. Op die dag werken veel grote websites samen om een deel van internet via wereld IPv6, de IPv6, offline beschikbaar te maken. Het is een eerste

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!