IPv6 CPE

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- Published the "IPv6 CPE Survey" in June 2010

	AVM (FRITZ!Box)	Draytek	Zyxel	Juniper (ScreenOS)	Juniper (JUNOS)	Cisco
Hardware version required	7270, 7570	Vigor 2130 series, vigor 120	All models released in 2010	All	All	Most SOHO boxes
Minimum software level required	"Labor" only	2130:v1.3.0 120:v3.2.4.3	Per model, check vendor	6.1	10.2	12.4T or 15
Status	Beta	General deployment	Beta	General deployment	Early deployment	General deployment
WAN layer 2						
Docsis 3.0	vendor	no	no	no	no	-
ADSL 2+	confirmed	120 only	vendor	confirmed	confirmed	confirmed
VDSL	confirmed	no	vendor	no	vendor	-
Ethernet	confirmed	vendor	vendor	confirmed	confirmed	confirmed
FTTx	-	vendor	vendor	no	no	-
WAN Layer 3						
PPPoA	confirmed	no	vendor	no	vendor	confirmed
PPPoE	confirmed	confirmed	vendor	confirmed	confirmed	confirmed
RFC1483/bridge	vendor	no	vendor	no	no	-
RFC1483/routed	-	-	vendor	vendor	vendor	-
Plain IP	-	vendor	vendor	confirmed	confirmed	confirmed
WAN address acquiring						
PPP link local only (unnumbred)	confirmed	confirmed	vendor	confirmed	confirmed	confirmed
SLAAC	confirmed	vendor	vendor	vendor	vendor	confirmed
DHCPv6 IA_NA	-	vendor	vendor	vendor	vendor	-
DHCPv6 IA_PD	confirmed	confirmed	vendor	no	no	confirmed

"...because there are no CPE that support IPv6"

IPv6 Residential Grade CPE

- Offerings from multiple vendors

  - A lot of new models come with IPv6 by default

- Still not that many networks support IPv6

  - Vendors have limited experience in the field

  - Dominant technologies are still not clear

- New challenge: there is no IPv4 left

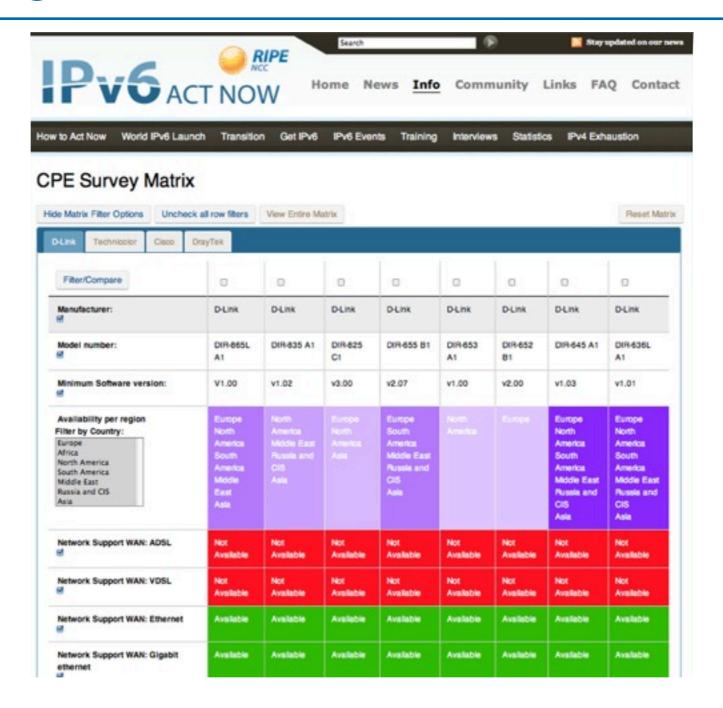 - Transitioning techniques becoming more important

IPv6 CPE Survey 2012

- Back by popular demand

- Back to the roots

  - We asked the vendors for input

- Focus is more a "buying guide"

  - List what is available today

  - Tests are almost impossible to do

Live Demo

http://www.ipv6actnow.org/cpe

"There are ... pable CPE"

"...I don't want to invest in IPv6 ready CPE"

Investing in IPv6 CPE

- Most CPE are limited in resources

    - Reduces cost

    - To add IPv6 you need to replace them

- Who owns the CPE?

    - The end-user doesn't like buying a new one

    - The shareholder doesn't like you buying them

- What is the expected lifetime?

    - Is your install base already fully depreciated?

IPv6 Act Now!

Questions?

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www.ipv6actnow.org