

Proximus IPv6 Status

update June 2019

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Sensitivity: Unrestricted

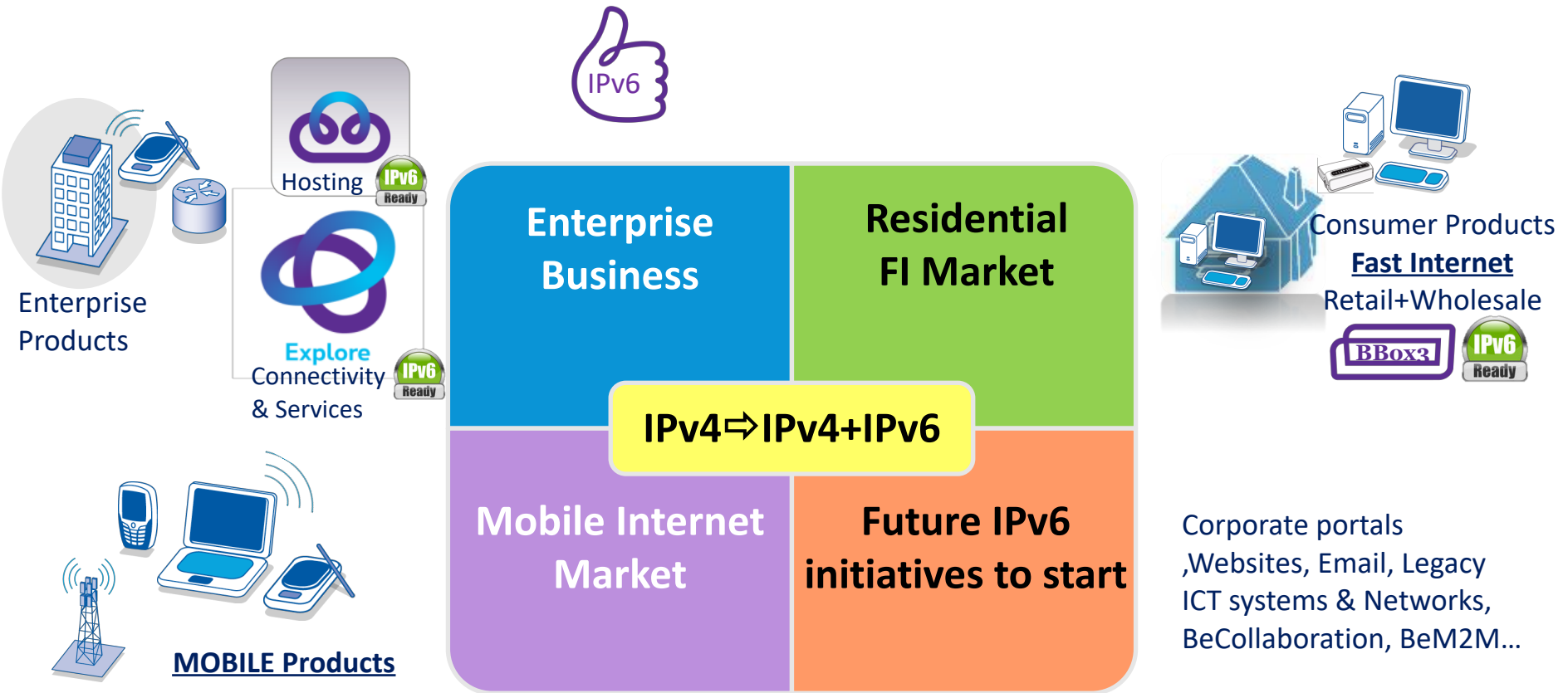
28 June 2019

1

proximus

Vision of the IPv6 Program

Guarantee IPv4 Internet business continuity & a smooth transition to the new IPv6 based Internet, products & services. The scope consists mainly of :



Status 26/06/2019

More than 1,5 million residential customers using dual stack Fast Internet

Many professional customers with IPv6 enabled cpe and dual stack

Ipv6 on Mobile Internet limited employee trial

- Dual stack

- On all access technologies (2G/3G/4G)

- Manual APN config (depending of your phone)

Status ipv6 on Mobile Internet

Proximus is migration from Hardware (Appliance based) EPC packet core towards vEPC (virtualised Packet Core)

This means that the EPC software is running on standard IT servers

Part of the subscribers are already migrated on vEPC and migration will continue the coming weeks.

But we faced some specific bugs related to ipv6 & performance that will cause us to enable dual stack only when these are fixed.

Some stats

25% of our total traffic is IPv6

For a dual stack customer approx. 36% of his traffic is IPv6.

Top sources of ipv6 traffic for our customers :

Apple

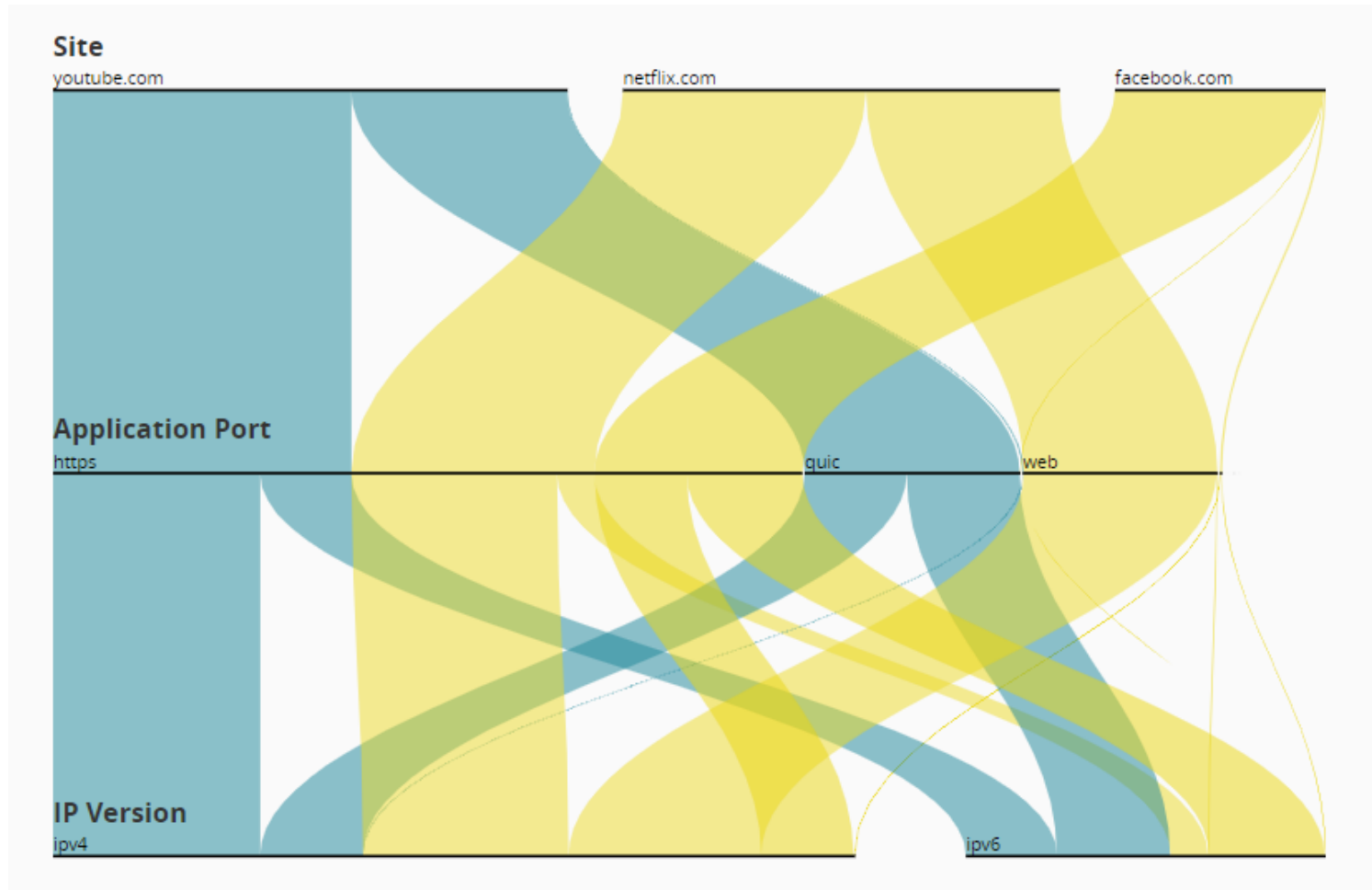
Facebook

Google / Youtube

Netflix

+Microsoft, Amazon, Dropbox, Edgecast, Cloudflare, Fastly, ...

3 top sites, application and IP version



Top 20 Origin ASN & IP version

IP Version

ipv6

ipv4

Origin ASN

Worldstream-49981 Google-15169 Facebook-... Apple-... Amazon-... OVH-16... Privat... Twitc... Data... Level... Aka... C... Ed... ...

Questions ?

