

Proximus IPv6 Status

update April 2017

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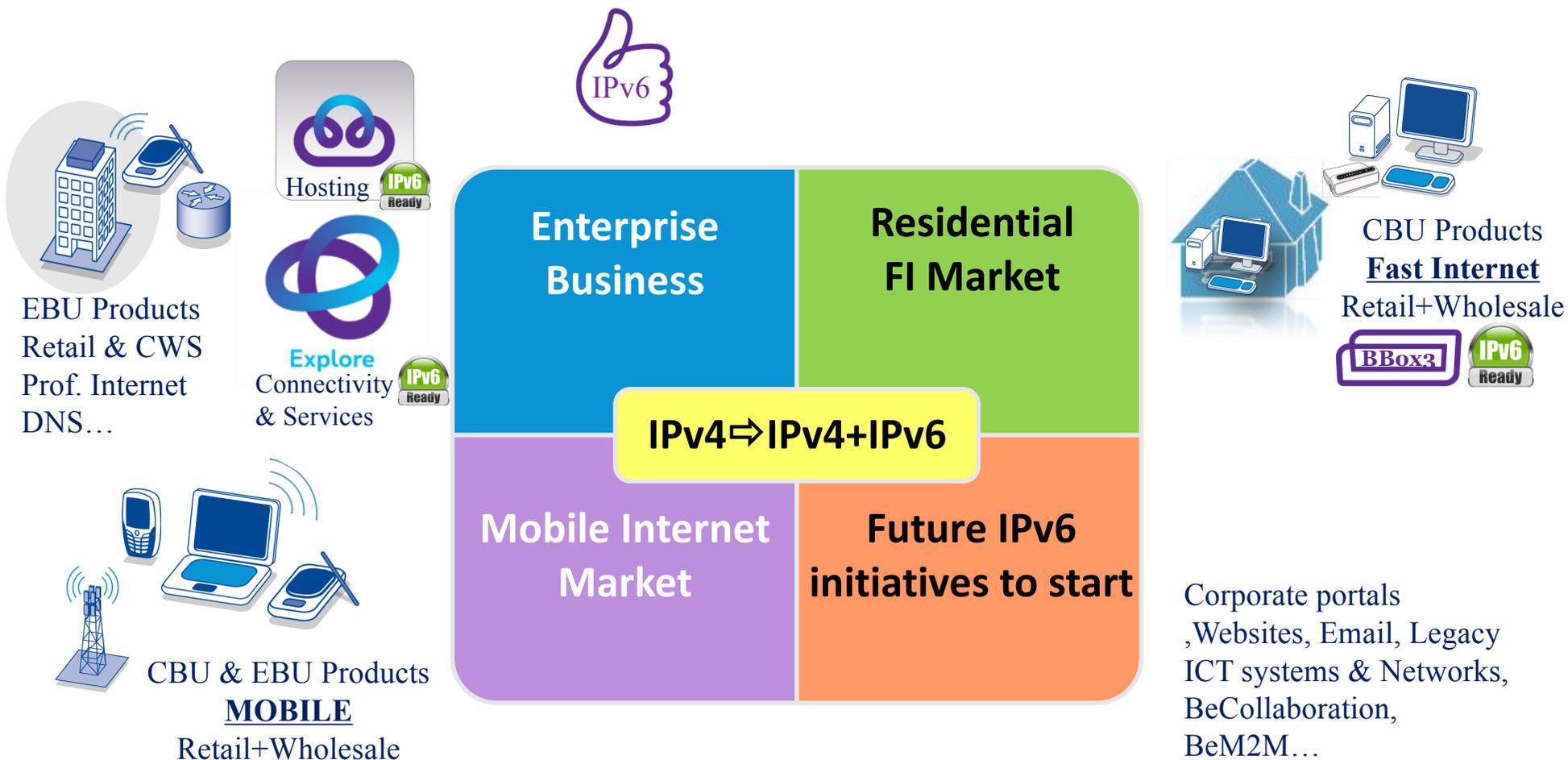
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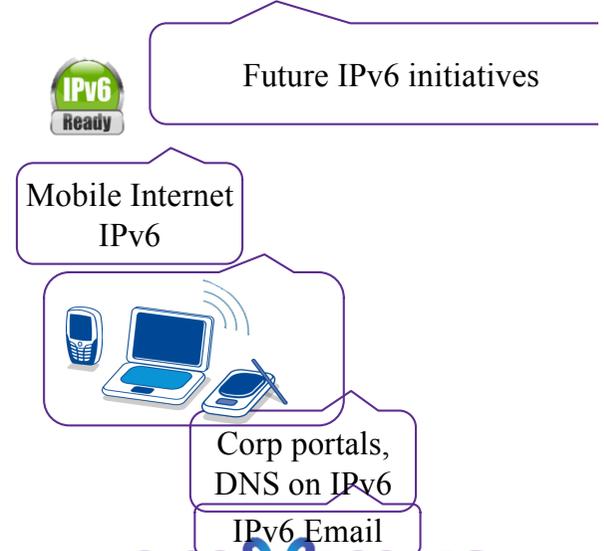
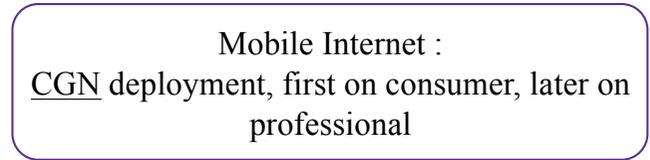
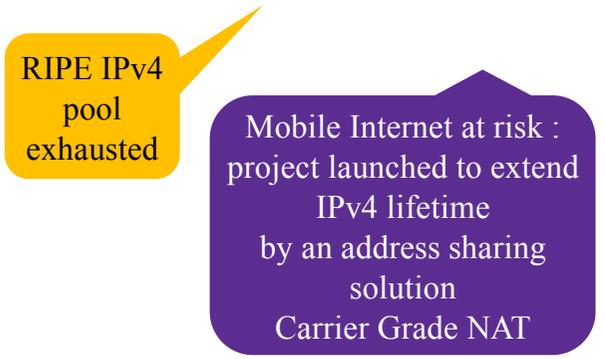
proximus

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 :



IPv6 Program – Achievements & path forward



Status 19/4/2017

More than 1 million residential customers using dual stack Fast Internet

>1000 professional customers with IPv6 enabled cpe and dual stack

IPv6 traffic x 4 compared to November 2014 (+300% !!!)

Bigger trials of CGN on fixed Internet residential (~100000 customers)

Ipv6 on Mobile Internet in trial phase, no launch date yet, fixing some annoying bugs encountered in the trials

Ipv4 exhaustion in an ISP in 2017

Challenge all internal requests for ipv4 address space => do you need public addresses, do you really need a /24 for your project ? Can you start with a /27 and a /28 and see again in 6 months.

Challenge requests for PA space for professional customers, customers requesting PI => what can you propose ?

Close followup of available ipv4 addresses in pools
Update exhaustion models every 3 months
Complexity for network migrations

Reuse addresses from phased-out services
reverse dns, spam RBL,

Use CGN to avoid pool exhaustion, which services are less impacted than others,
100.64/12 addresses reuse

Private (RFC1918) addresses conflicts with customers, becomes a scarce resource

Questions ?

