

rolling-out the Future Internet

Orange Labs vision

Orange Labs R&D

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unrestricted



outline

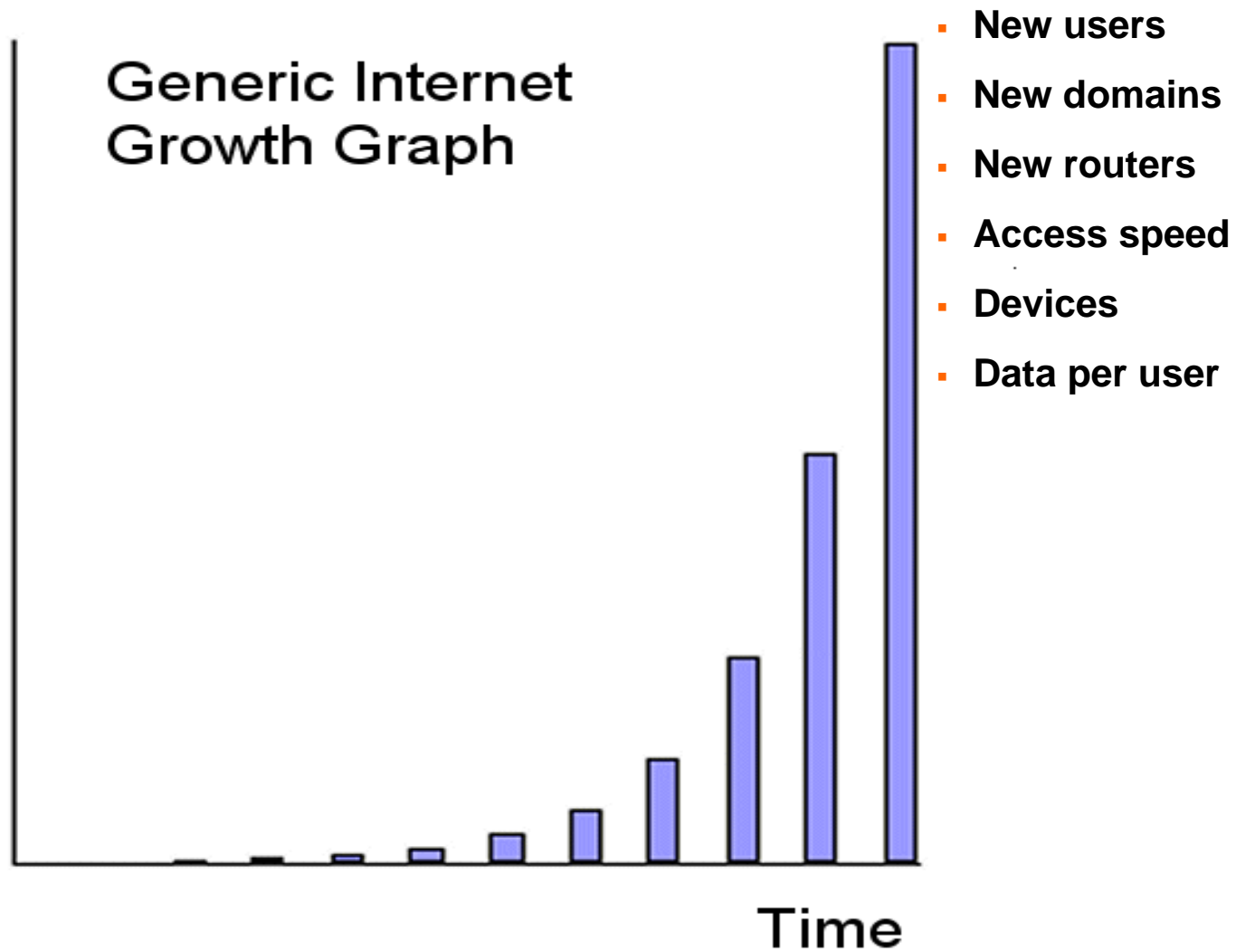
- commercial limits of the current Internet
- clean-state & incremental SWOT analysis
- scenarios for the Future Internet
& possible outcomes

The context

The network and service infrastructure domain is facing many changes:

- explosive growth of data rates and capacities
- the emergence of massive data and content delivery & consumption
- evolution towards a converged architecture that has dramatically increased the permutations and combinations of services and usages between people, devices, media, and even between real and virtual worlds
- user involvement in defining his communication sphere has led to much more customisation, personalisation, and users becoming producers.

Think about it....



what are the problems with IP ?

from a commercial point of view

- tussle between operators and service providers
- "monetizing bandwidth" is difficult
- cost is (sometimes) superior to revenue
- profit & RoI vs. freedom
- QoS is difficult to maintain
- complex & costly management
- new business models needed, together with open but (financially) viable infrastructures ?

need for a
"better"
internet

incremental vs. clean-state ?

a useless polemic

- "vs." (against) is a wrong path
 - both approaches are needed
 - clean-state : to get rid of legacy Internet design constraints
 - incremental : to conceive pragmatic & viable solutions for commercial roll-out
- preserving both R&D approaches is essential

scenarios for the Future Internet

can two or more parallel Internets coexist ?

