

SDN towards the digital society

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Panel on "Software Defined 5G Networks and Services"

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2 key transformations for carriers « powered » by SDN

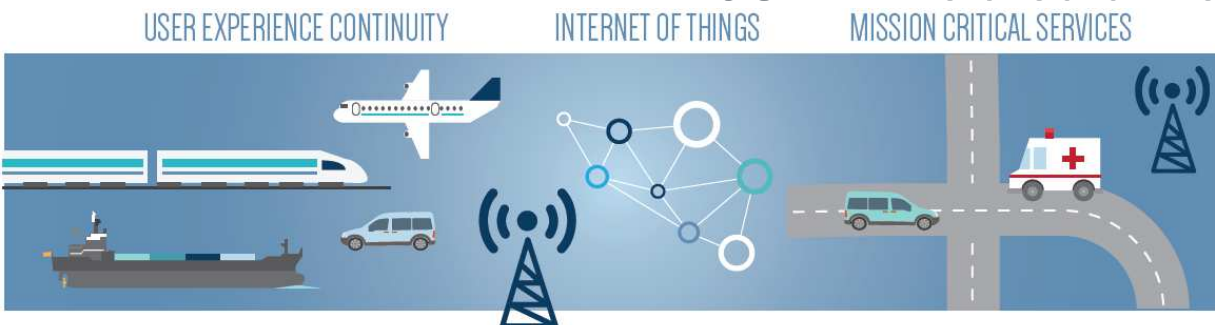
→ Automate more network operations and focus on customer experience

- Provide 100% online and real time customer experience even for complex services such as international Virtual Private Networks
- Ensure cost efficient operations of specific network technology domains

→ Create an open digital ecosystem around 5G infrastructures

- Deliver innovative services quickly, easily and securely to reach the innovation pace of Over The Tops with the reliability of telco services
- Develop partnerships and B2B2X business models especially with vertical sectors
- Leverage on APIs at different architecture levels to ensure an End-to-End Service Level Agreement Management

5G PPP related drivers and requirements



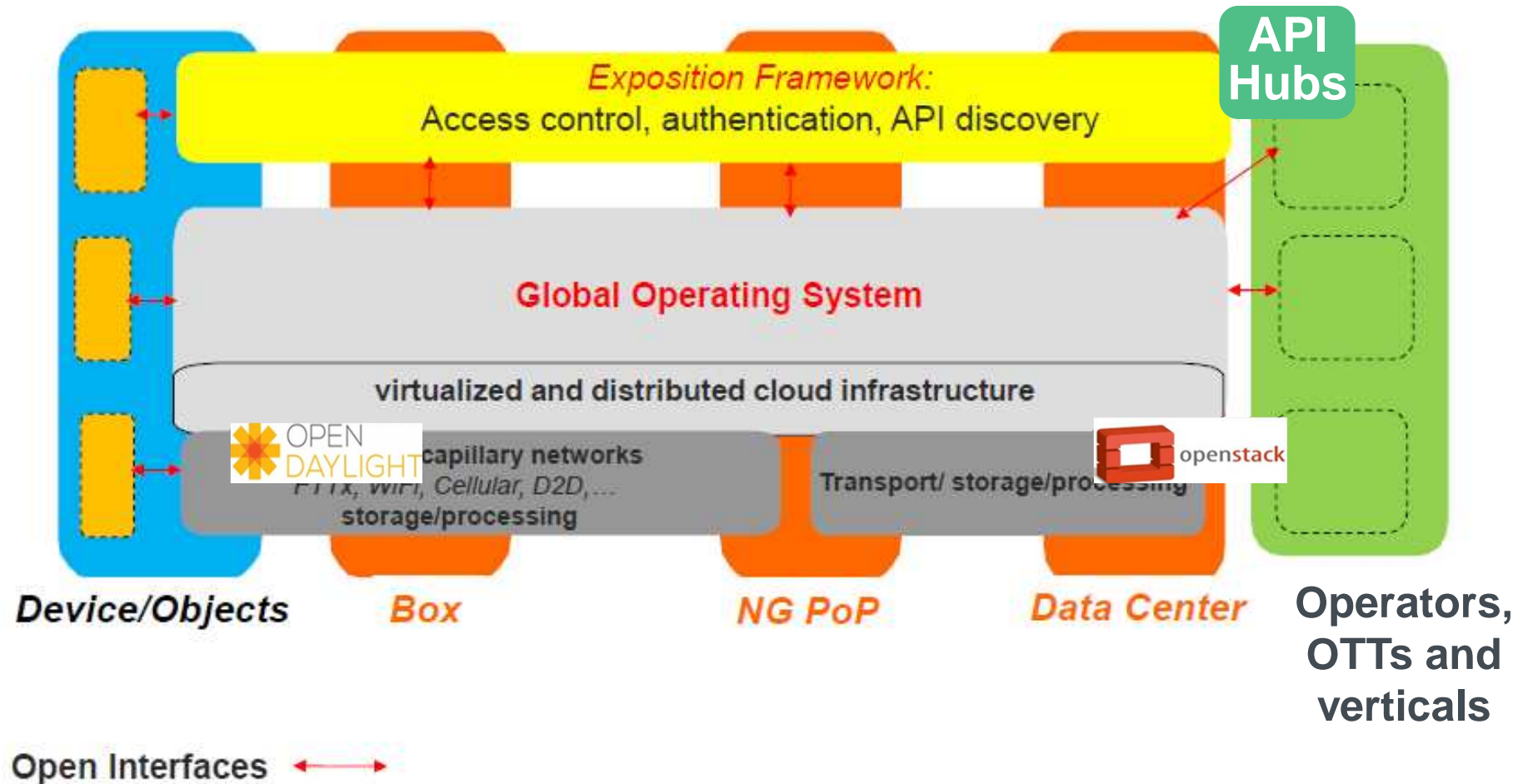
- ✓ 1/5X in network management OPEX
- ✓ 1/1000X in service deployment time
- ✓ 99.999% reliability

Two Key Concepts for 5G Architecture

**Global
Operating
System**

**Next
Generation
Point of
Presence**

Global Operating System

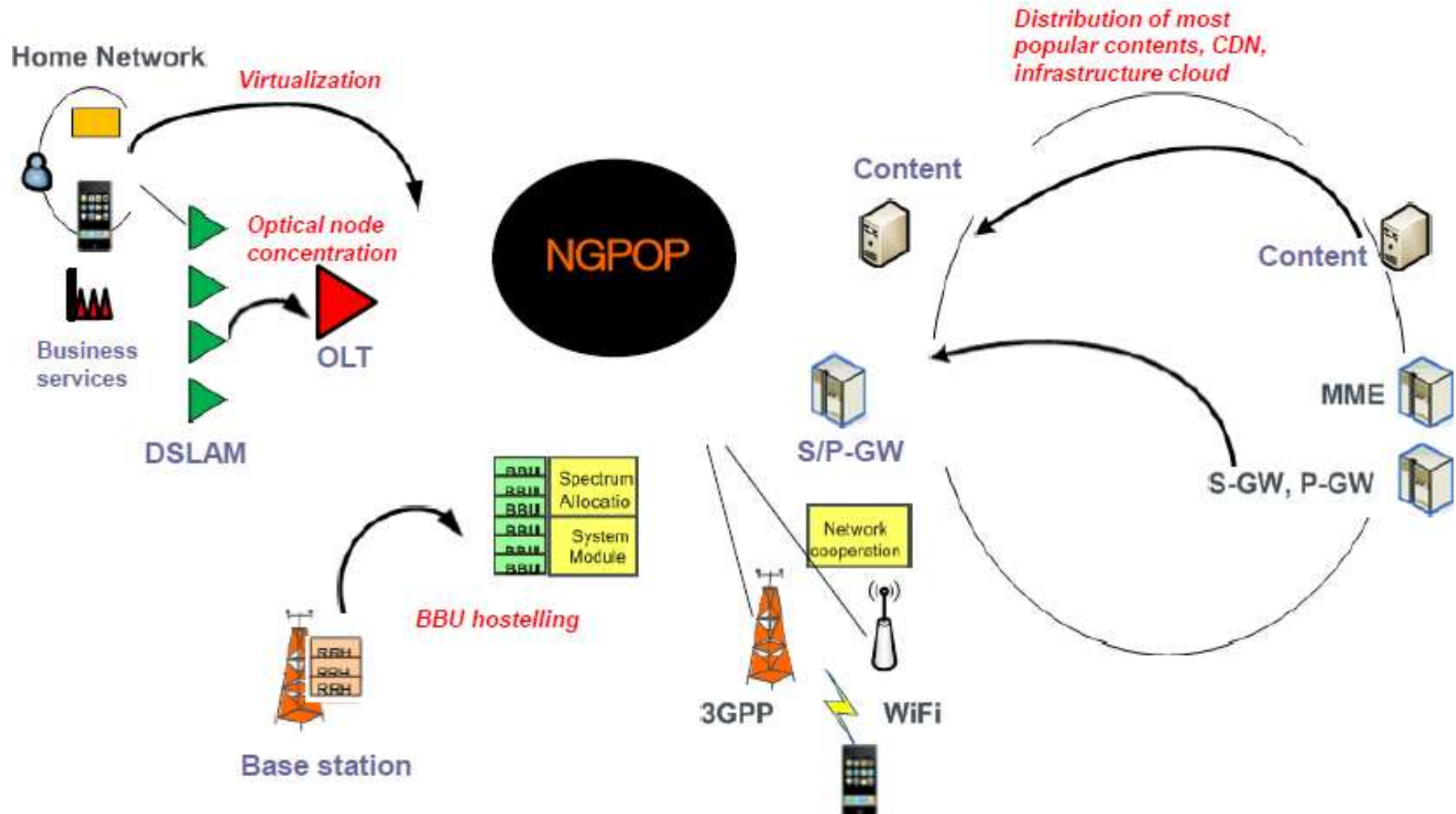


- An Operating System to Control and Manage Resources (Network + Cloud + Device) for Programming and Automation

Next Generation Point of Presence

Multi-Access Gateway ←

→ Network applications framework



Thanks

