

SOFTWARE APPS / NEXT GEN TELCO

18th January 2023, Honolulu 0900-1000







Panel description

• One of the key identifications of a "Next Gen Telco" is the continuous shift from hardware to software (sometimes referred to as softwarization). In this new world, almost everything has become "as a Service" and is accessed mostly via an App. Open source is supposed to avoid vendor-lockin. Internet has become the universal connectivity. Is the Internet resilient enough to deliver and support evolving WAN services such as SD-WAN and SASE? What are the challenges and how can we solve them? Let's discuss.





Wednesday, 18 January 2023 09:00–10:00 MPCC, South Pacific 1

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Avoiding vendor-lock-in in Telco Softwarization

18th January 2023, Honolulu

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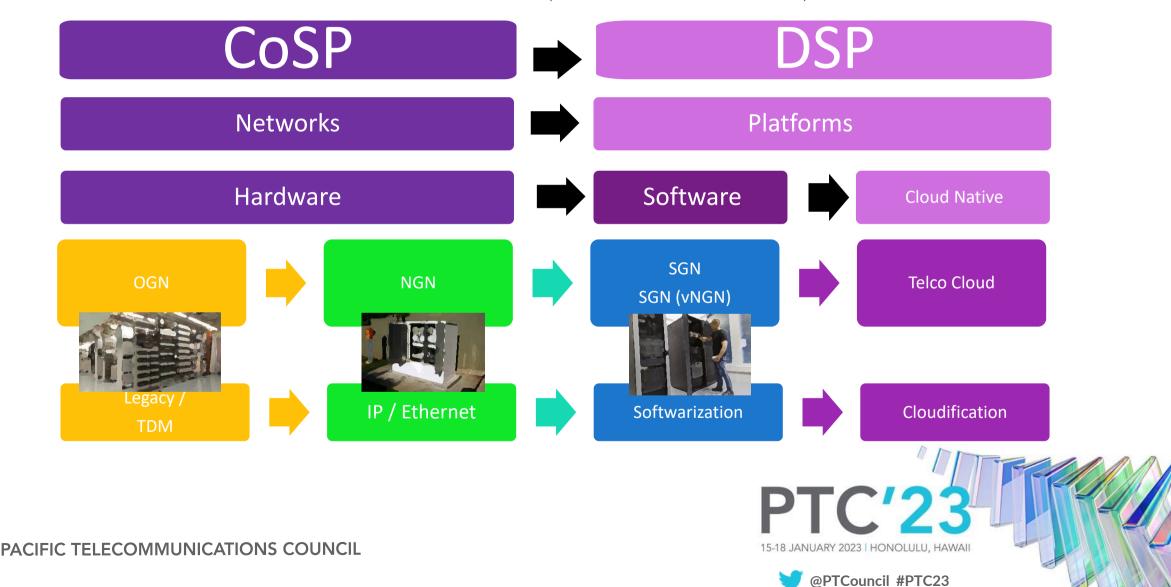
• Avoiding vendor-lock-in in Telco Softwarization

- Telco Digital Transformation and Telco Softwarization (SDN., NFV, and Cloud) are not new. Although the classical/conventional ideas of SDN and NFV have changed over the years (now we talk about IBN, automation, lean NFV, etc.), the key ideas of openness, modularity, and disaggregation together with virtualization, automation, DevOps (now devsecops/devsecnetops), flexibility and agility have helped Telcos their transformation from CSP to DSPs or Telcos to Techcos.
- The highly disaggregated network environments/platforms with different components and functionalities supplied by different vendors require complex interoperability requirements both at hardware and software levels. These include, but are not limited to, cross-domain SDN controllers (aka Network Orchestrators), Service Orchestrators, open APIs, etc.
- While the cost (capex, opex and TCO) benefits and flexibility/agility for service/product innovation are highly dependent on the
 openness, modularity, and disaggregation, where the operator has the flexibility of using the best (and cost-effective)
 components/functionalities from different vendors, due to the operator's lack of required skills, education and knowledge for the
 required integration work, some vendors try to make use of the opportunity to push vendor-lock-in solutions.
- Operators need to avoid these situations, but it's not easy, especially for the operators in developing economies due to the skills and cost concerns. Different operators follow different strategies to tackle the situation.
- In my talk/presentation (or in a relevant panel), I would like to share our experience so far and how we are addressing some of these challenges

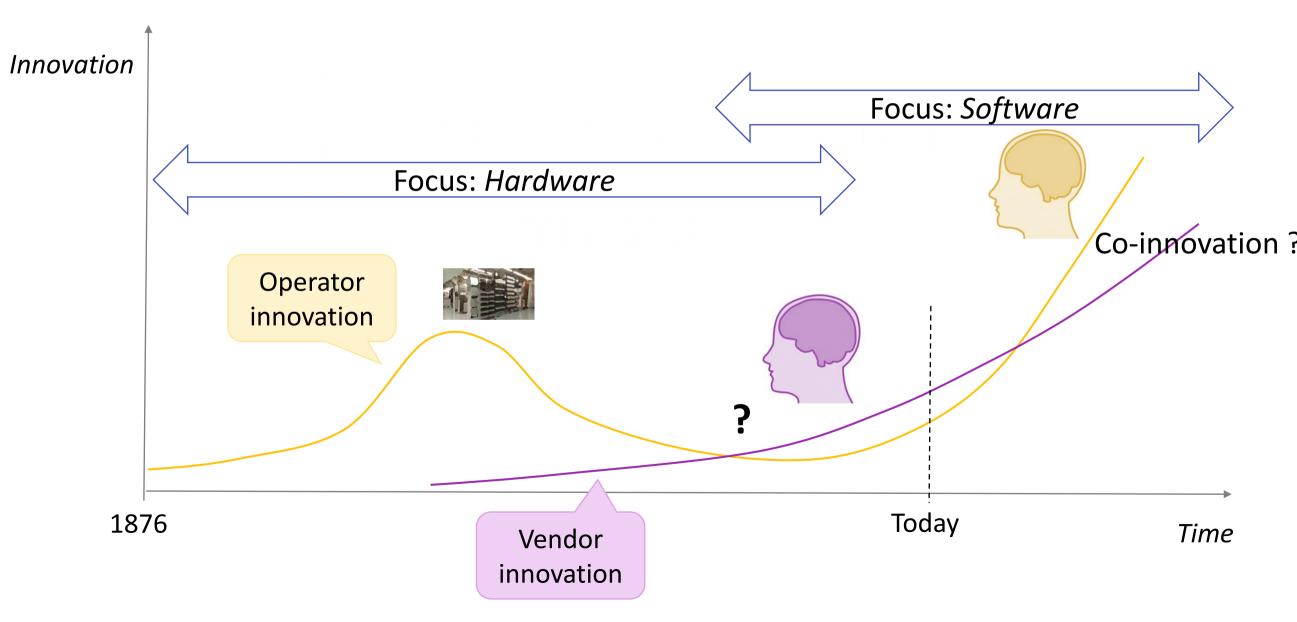


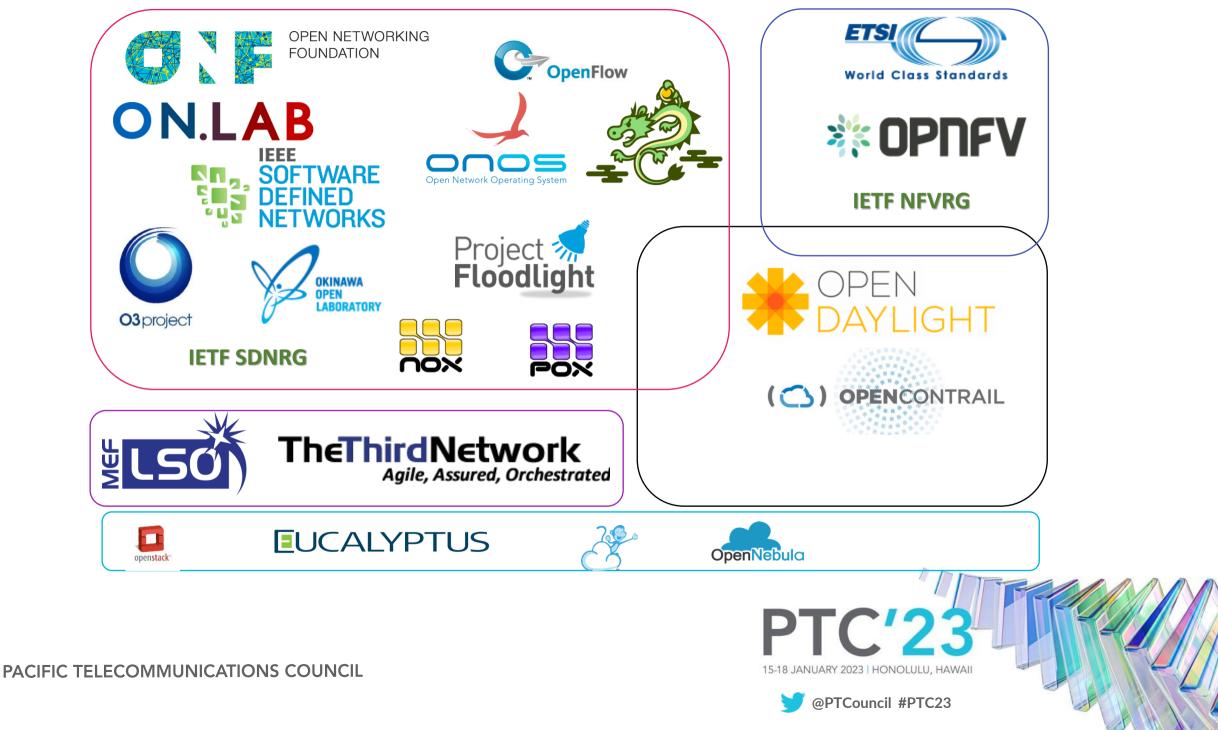


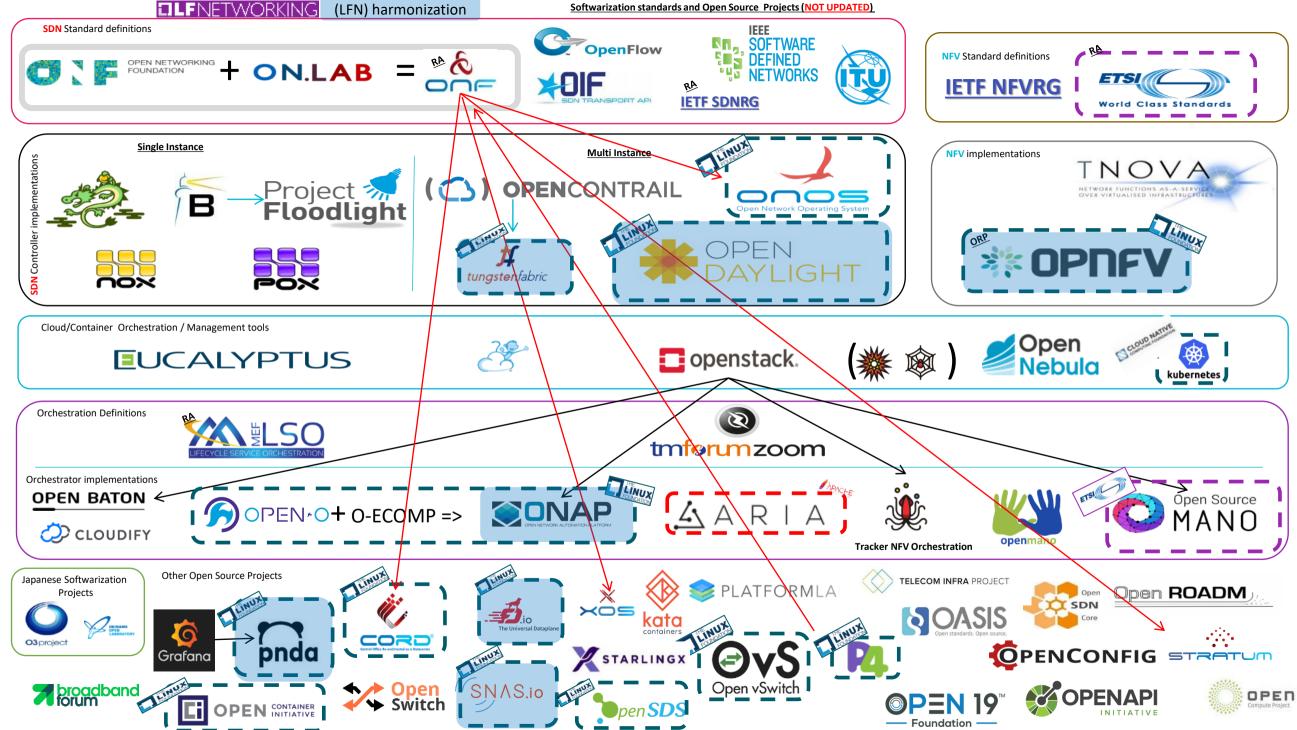
Telco Softwarization (Telco X.0)



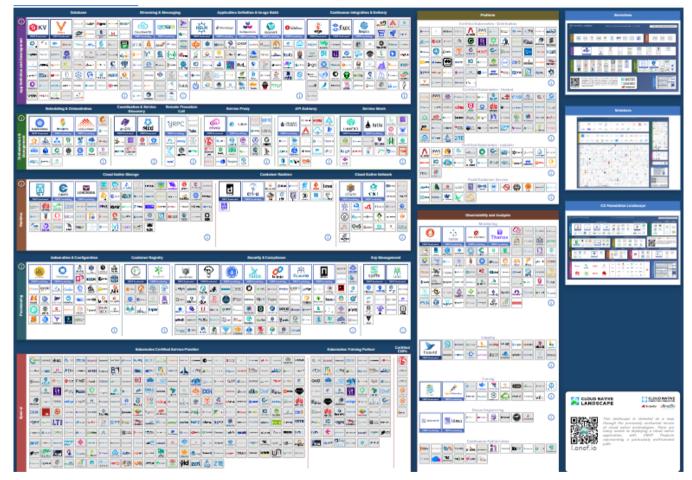
Getting into innovation again







\$20.3T market cap & \$56.5B funding



Source: https://landscape.cncf.io/



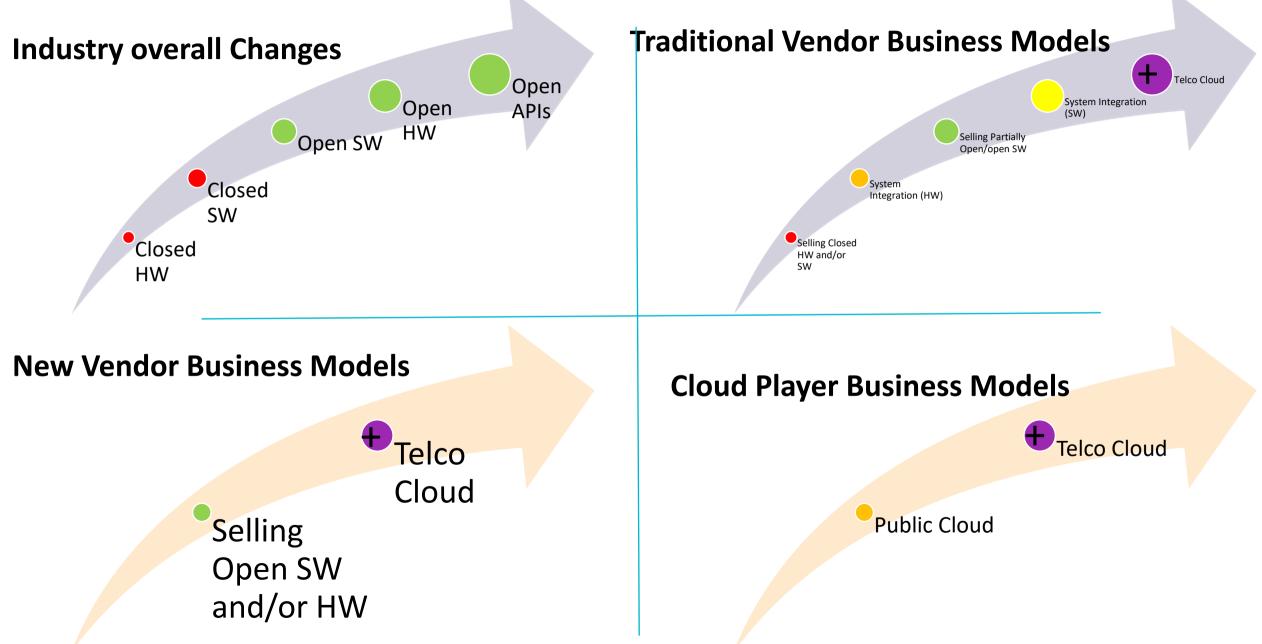
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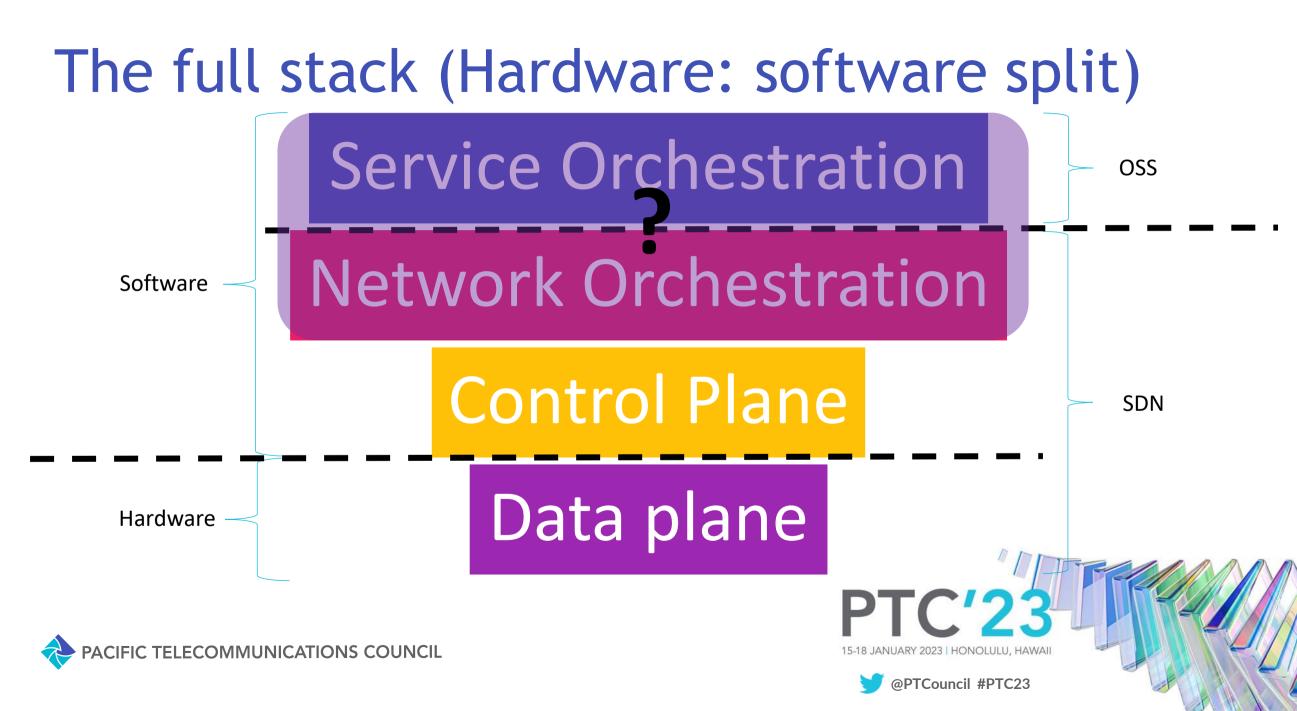
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Change of vendor business models





An approach for financially constrained economies and for uncertain times

- Bottom up
 - Build the forwarding plane (i.e Network infrastructure : capacity and foot print) with essential control
 - Follow open architecture, open APIs
 - Add capabilities (additional control, orchestration, automation, AI/ML,...) as and when required

