

SDN IN DT's TERASTREAM

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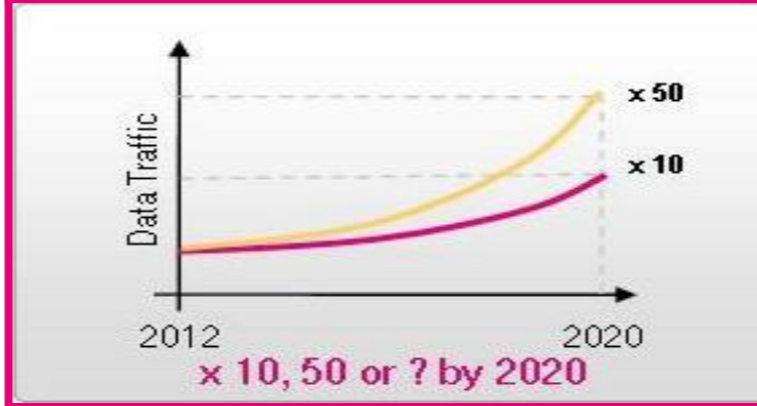


OPERATOR CHALLENGES

Competitive Pressure



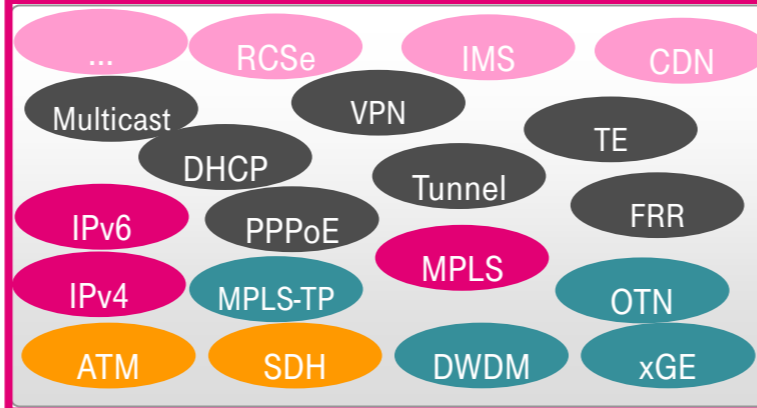
Traffic Growth



Time to Market



Cost & Complexity

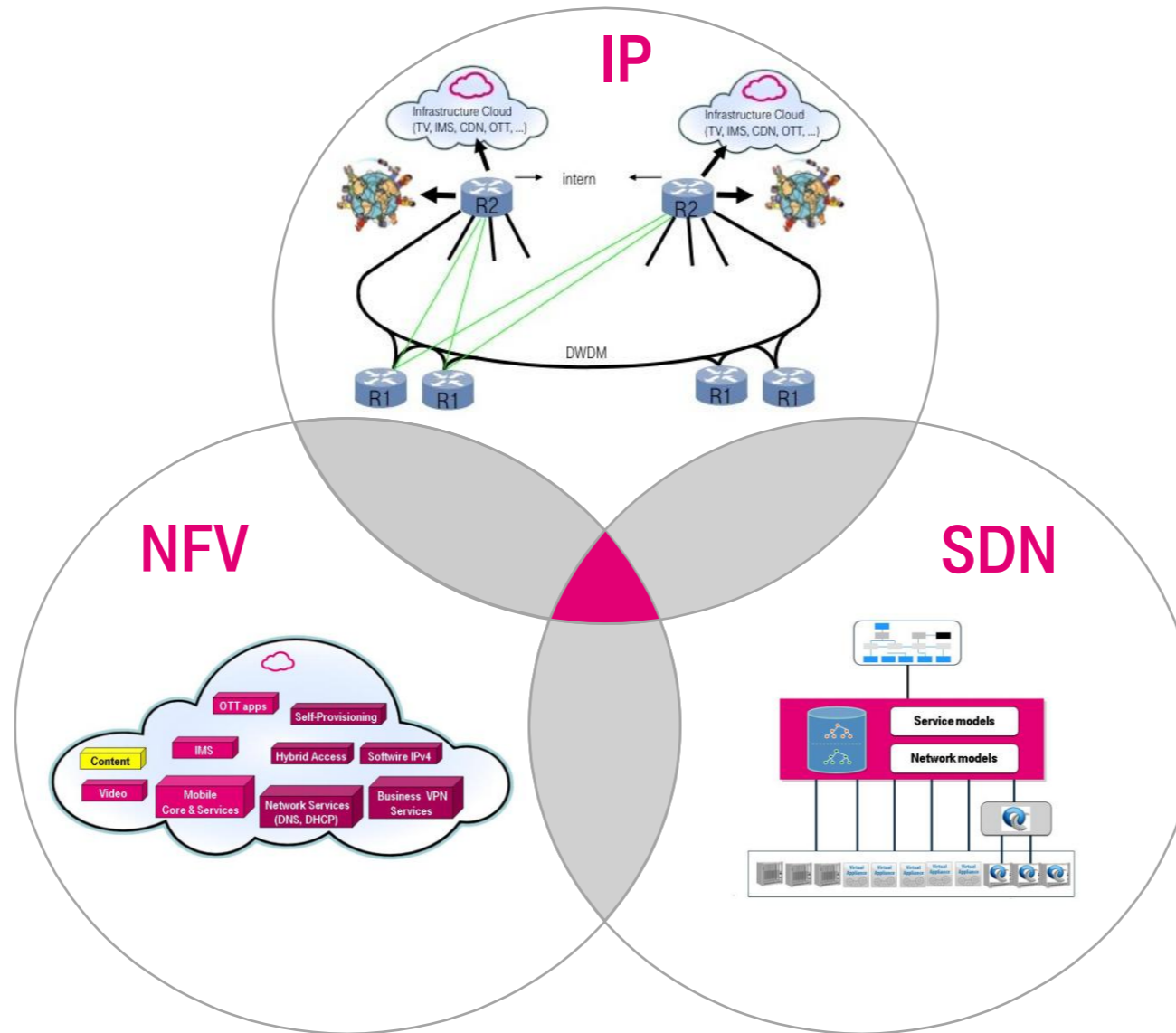


IP NETWORK INNOVATION + SDN + NFV

A WINNING FORMULA FOR TERASTREAM

NFV

- Faster time to market
- Elasticity
- Redundancy
- Independence from hardware



IP Network Innovation

- Drastic Simplification
- Native IPv6
- IPv4 as a Service
- IP and Optical Integration

SDN

- Faster time to market
- Central Control
- Service and Network abstraction

TERASTREAM PILOT SUCCESSFULLY LAUNCHED @ HRVATSKI TELEKOM, ZAGREB ON DEC 10, 2012



100 Gb/s network using IP and
Optical integration

Infrastructure Cloud /
Network Function Virtualization

Native IPv6 network delivering
consumer service

- ▶ Built in a record time - decision in September, launch on Dec 10th
- ▶ 500 customers with up to Gigabit access speeds
- ▶ Agile execution – small cross-functional teams (DT, HT, Cisco, Combis, tail-f)

A Software Defined Network using a new Realtime OSS approach



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TERASTREAM REALTIME OSS & SDN GOAL

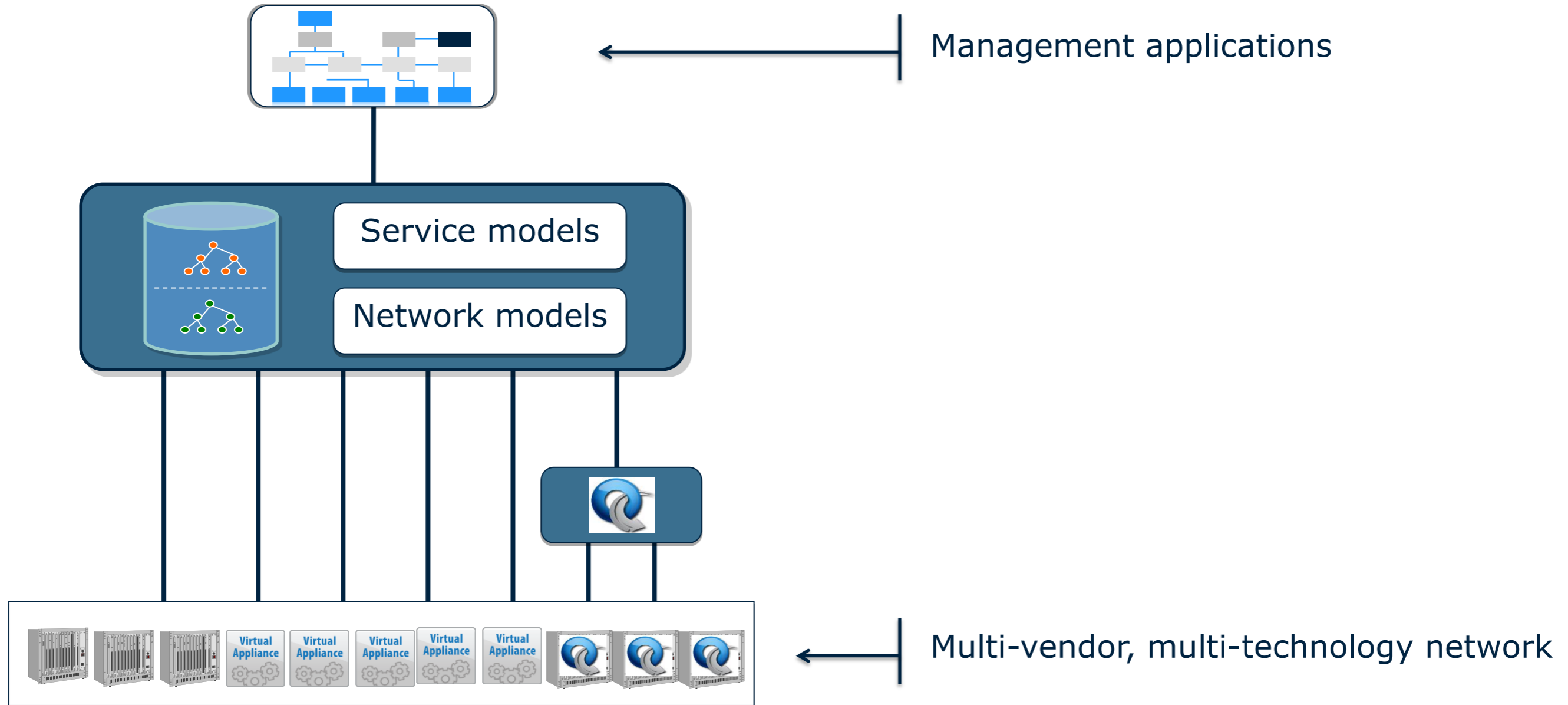
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Program services instead of re-architecting the network and the management system for every new service.

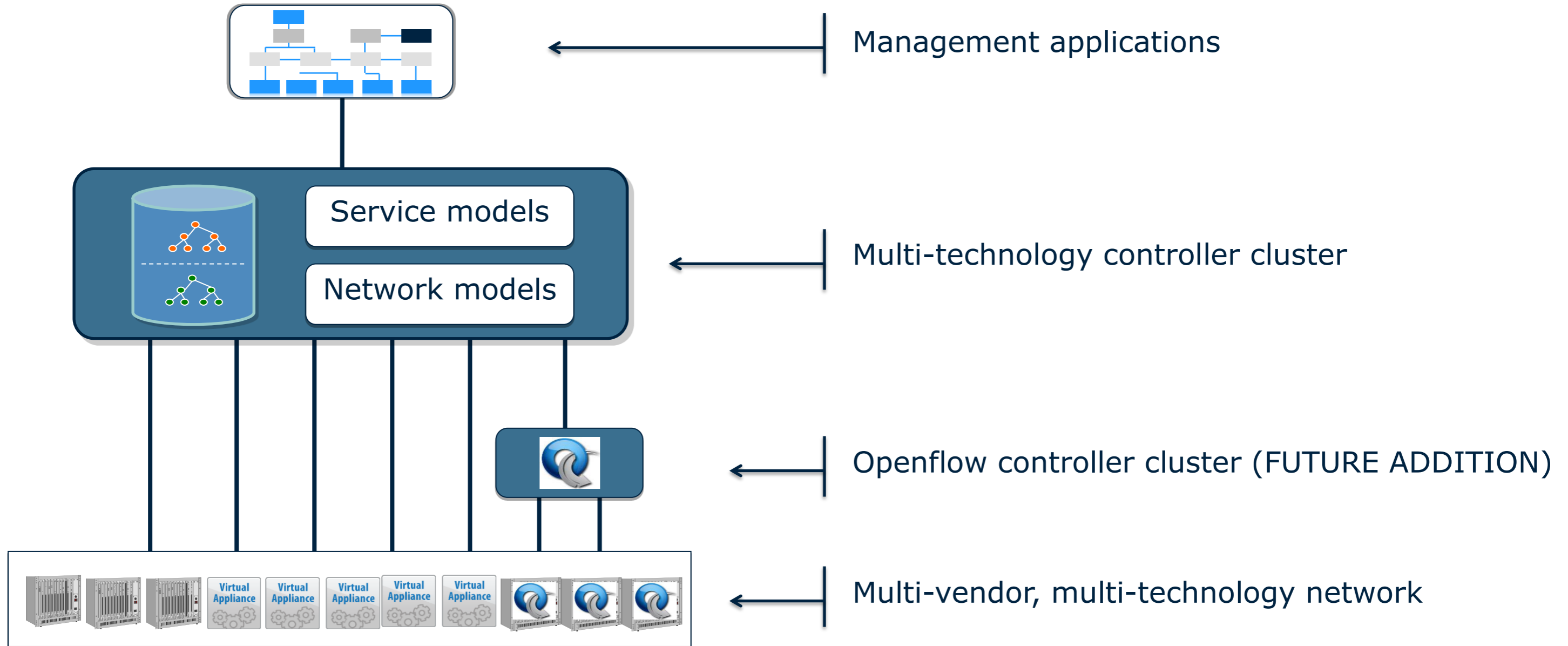
Peter Lothberg, Internet Legend

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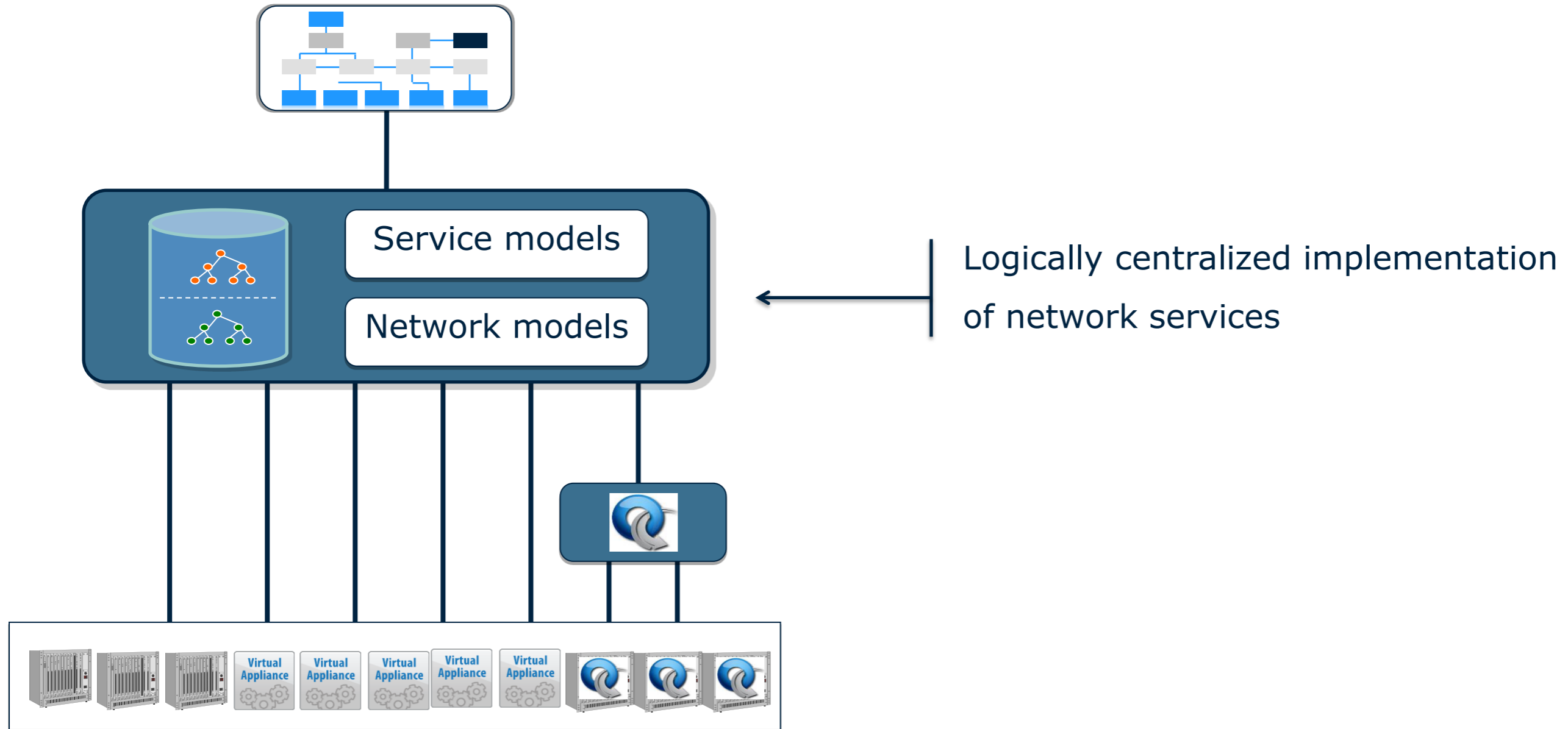
TeraStream SDN: System Stack



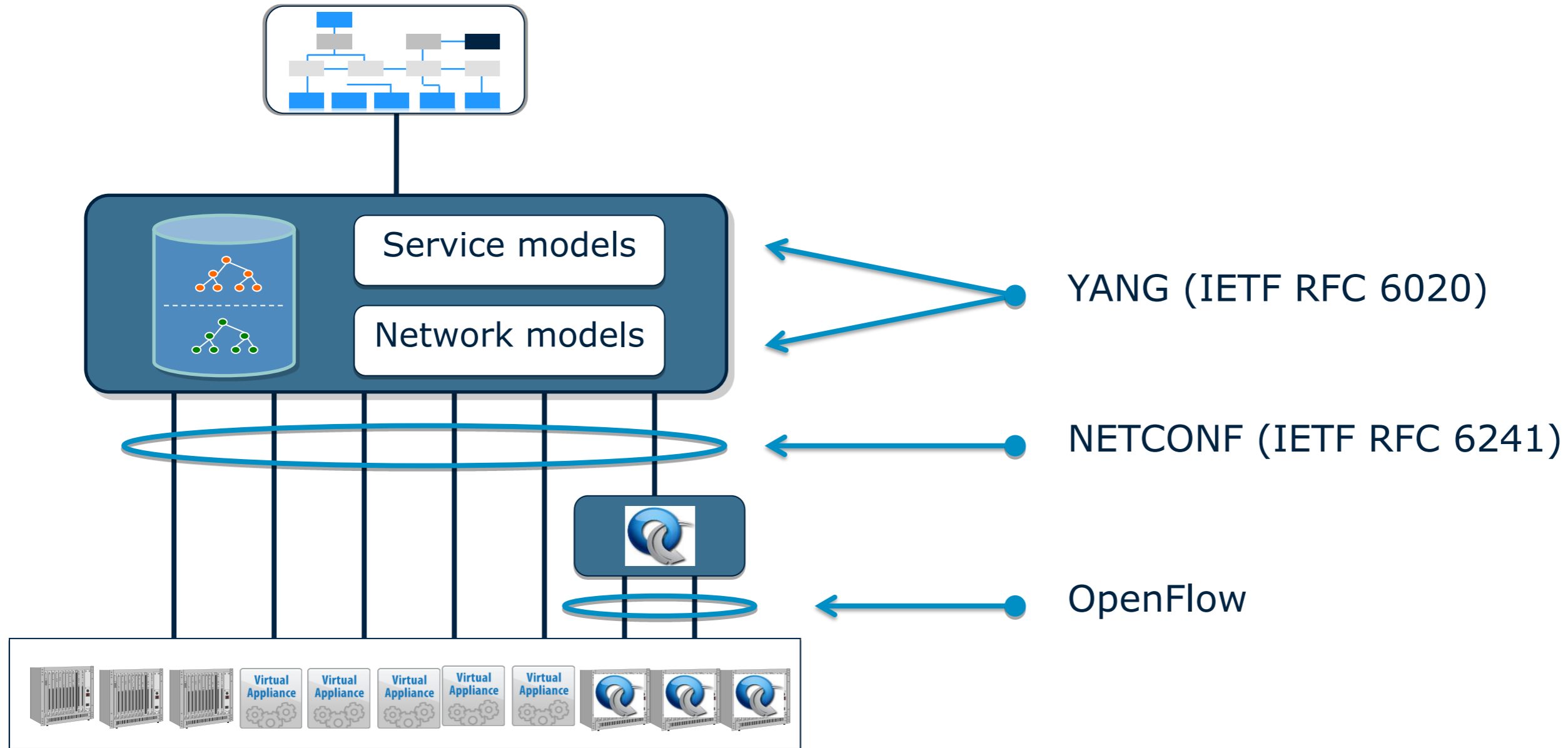
TeraStream SDN: System Stack



TeraStream SDN: System Stack



TeraStream SDN: Open Standards



THANK YOU!



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