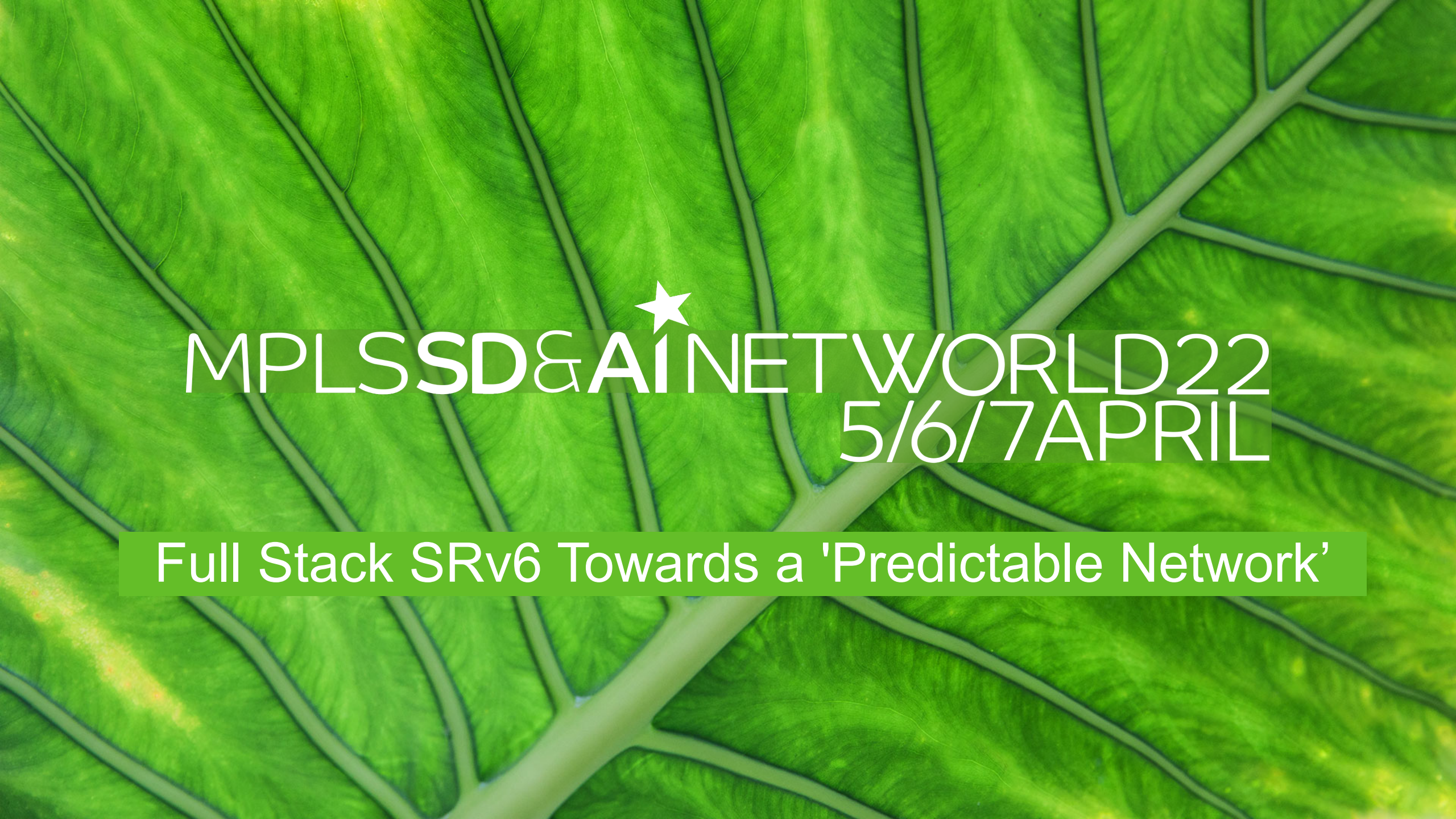
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Full Stack SRv6 Towards a 'Predictable Network’

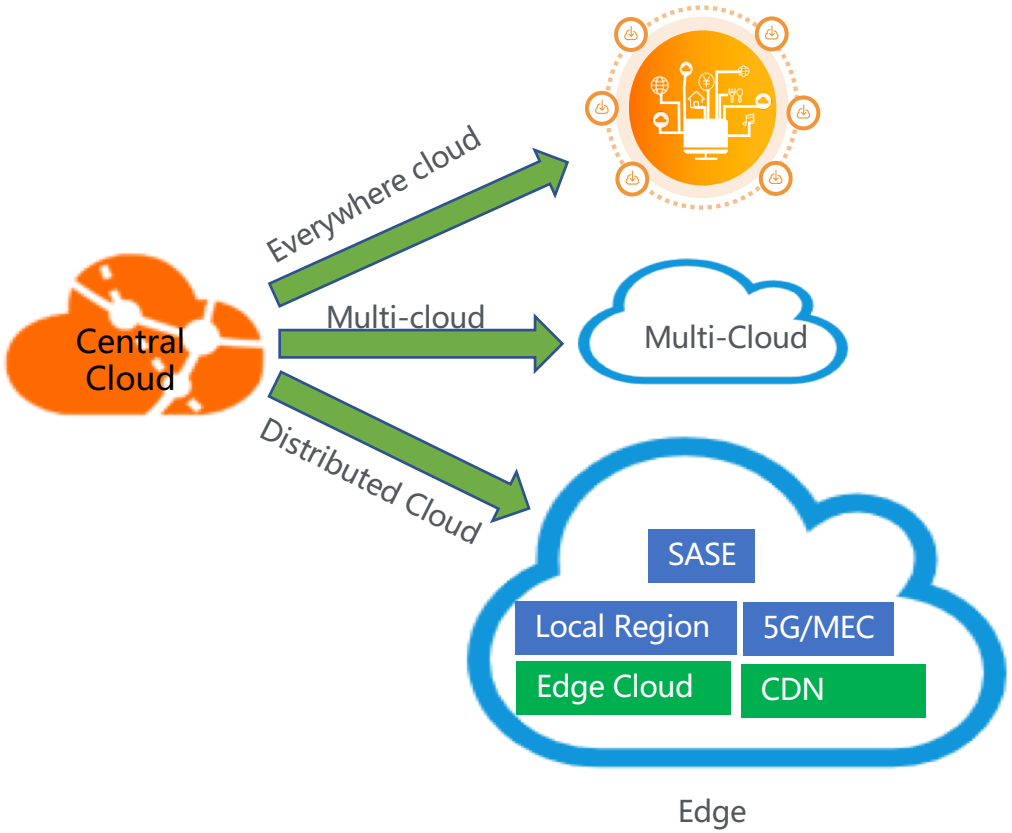
Yuanchao Su

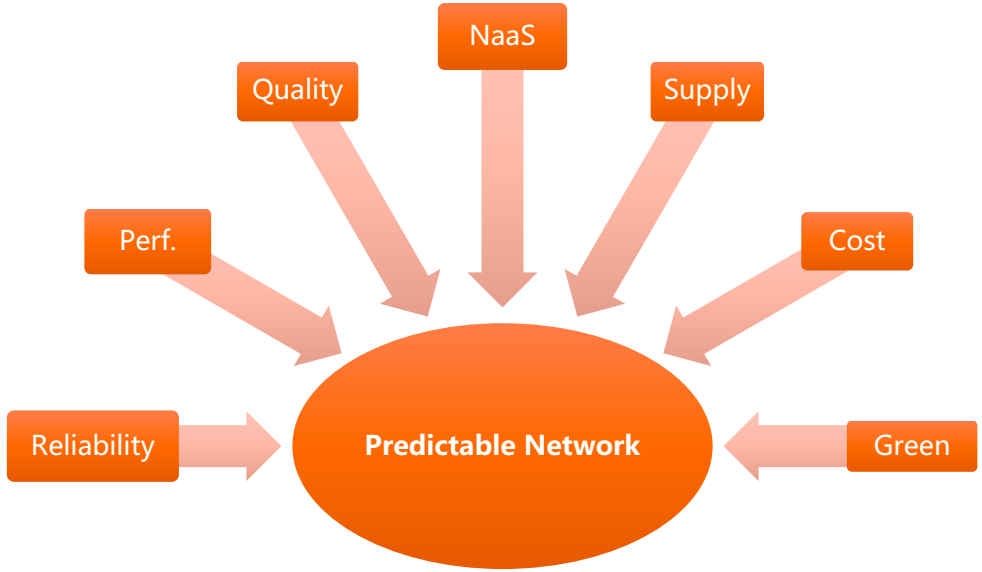
Director / Network Architecture

Alibaba Cloud

MPLS SD&AI NETWORLD 22
5/6/7 APRIL

App & Internet-scale Driving Network Evolution





Alibaba Cloud’s Predictable Global Network Architecture

Network Service Center

Network Service：QoS、TE、Cost、Slicing
Network Quality：Accurate Measurement, Fast Failure Detection/Recover

Global Networking

- Coverage
- M2U/M2M TE
- Reliability

Building Blocks

SRv6/SRv6-Lite 、 Service Anchors
In-house Developed Routers: eSR、ePF

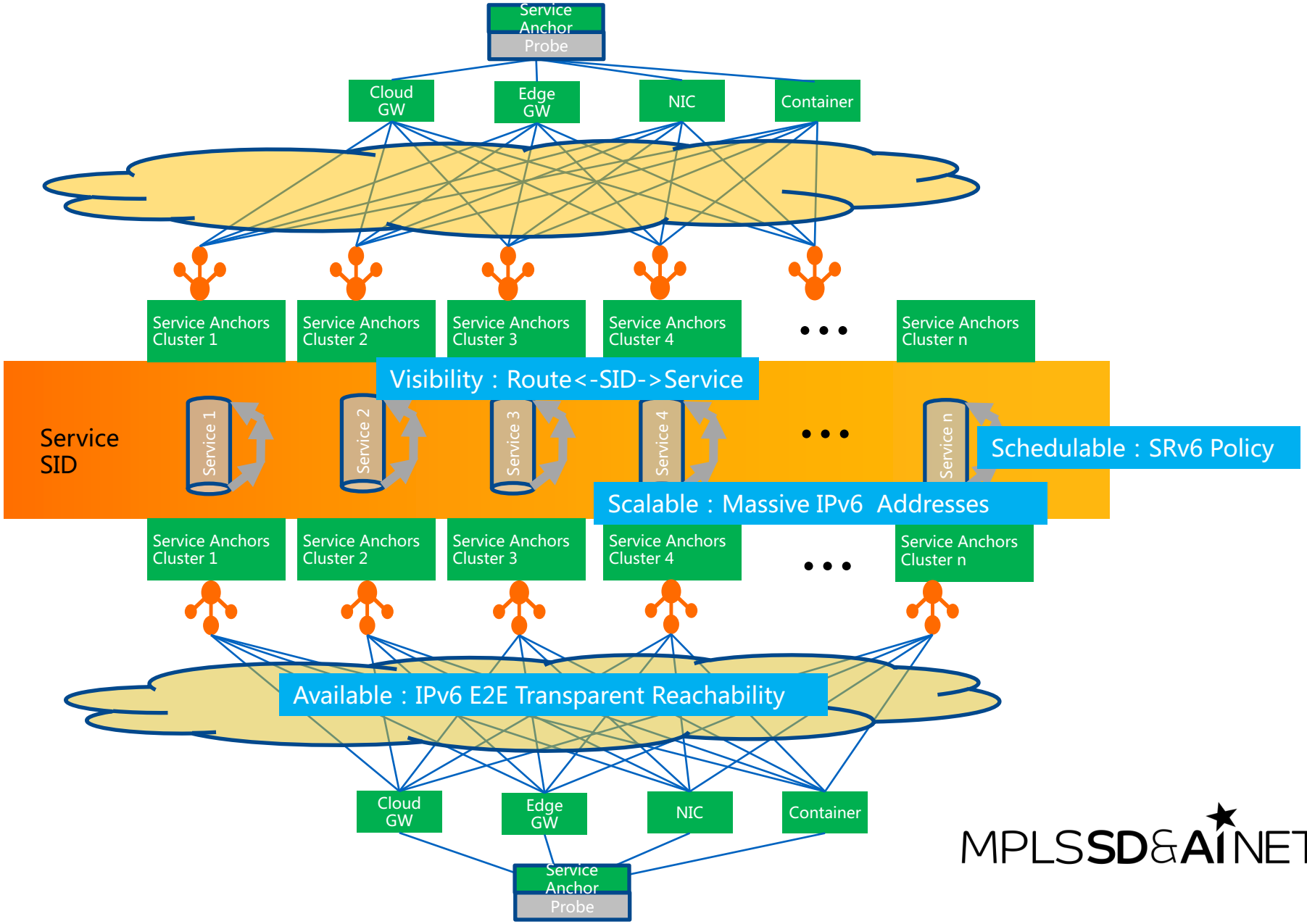
Measurement

- Big Data Analytics
- App/Network Probes

Algorithm

TE/Topology/Noise Removal

Key Concept: Service Anchors



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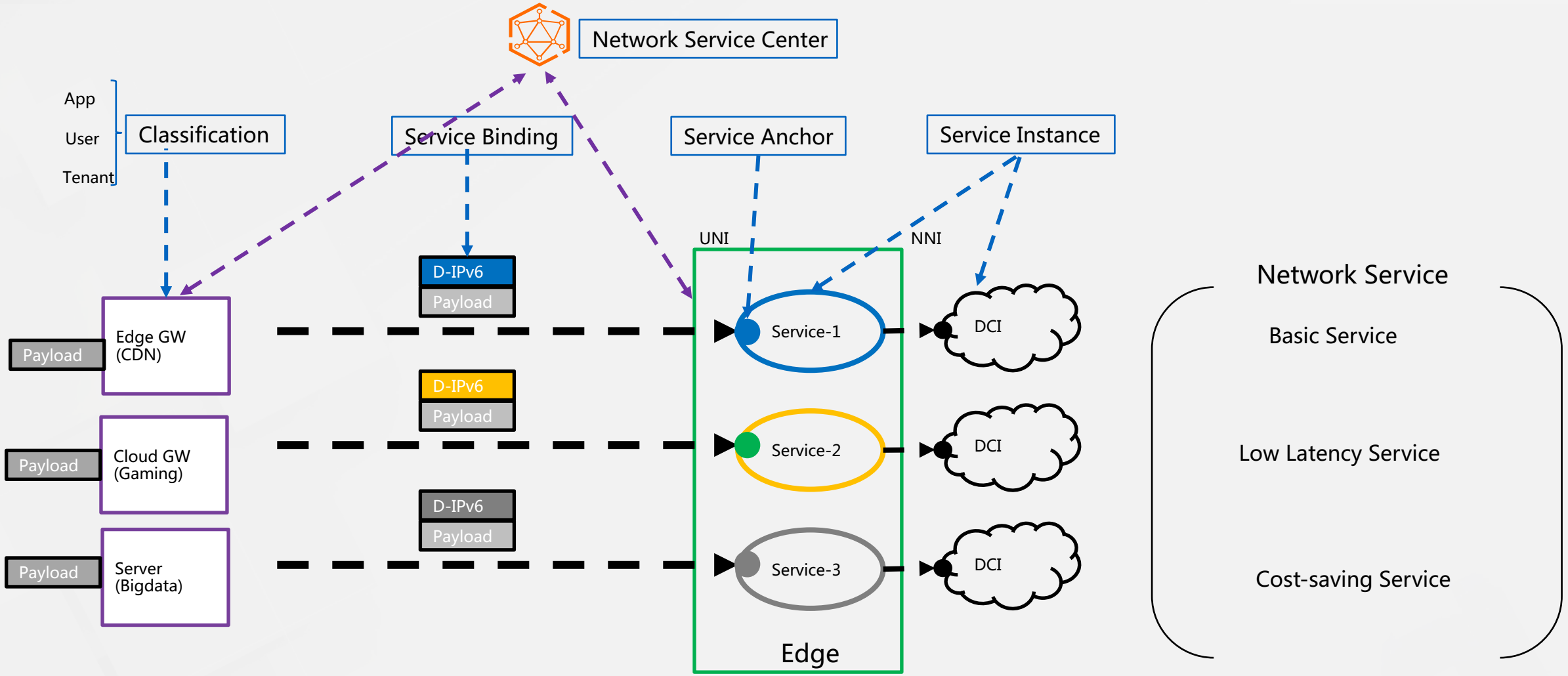
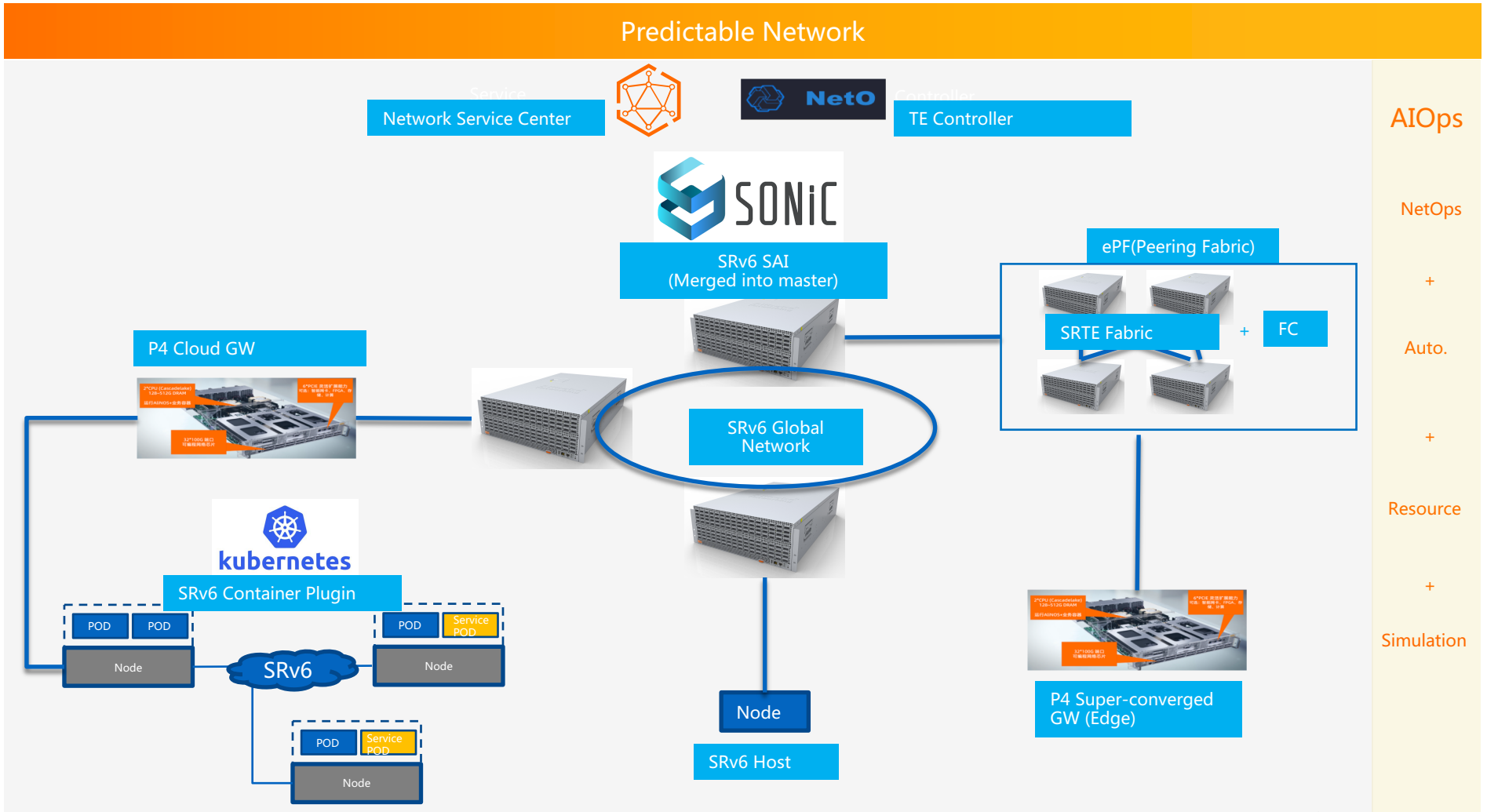
Example: Per-App M2M TE



Full Stack SRv6 Towards a 'Predictable Network'

Most are in Production!



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