

TeraFlow

TeraFlow: Utilizing Optical Network Slicing to Connect Clouds for Autonomic 5G and Beyond Services

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Examples of 5G Application and Services

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Sensitivity: Internal

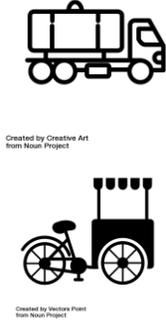


Automotive will create unprecedented demands

With 5G and B5G Networks, massive SDN flows will be needed.

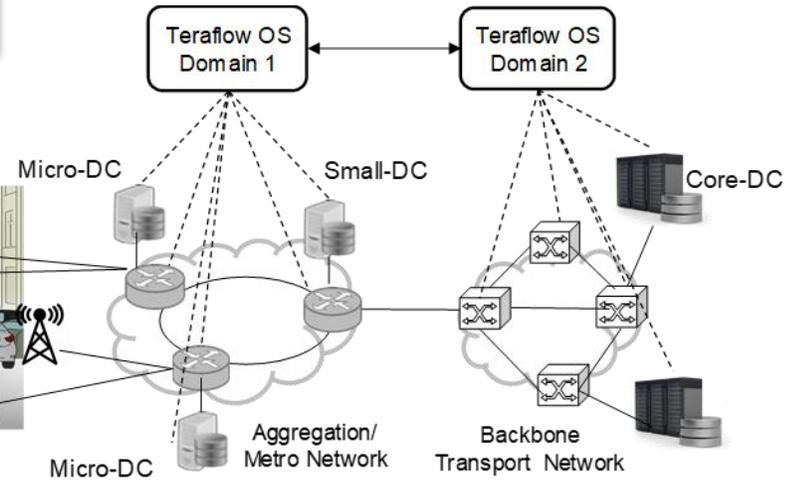


<https://www.globaltimes.cn/>



Created by Creative Art from Noun Project

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Diversity of applications, use cases and geographies

- Massive increase in volume and variability of end-points and connections
 - Logical Private Network
 - As an on-demand Service
 - Over multiple Public Infrastructures

- Highly varying demands
 - Time of day/week/year
 - Location
 - Roaming



Smart Port; Industry Park



5G PPP

5 SOLUTIONS

<https://5gsolutionsproject.eu/living-labs/>

Mixed environments

- Non-Public Networks
- Public Networks and Infrastructure
- Security & Safety



- **Radical shift of demands**

Smart and dynamic topologies
across different geographies

- Local and regional
- Country
- International

- **New generation of automation, flexibility and adaptation**

Smart and dynamic topologies
supporting mappings between

- Customer facing
- Resource facing

SDN based Automation

- Driven by Quality of Experience in real-time

- **New Service Concepts are needed**

Logical Private Network as an on-demand Service
on top-of and across
Interconnected Private and Public Infrastructure and Networks

