

# OpenFlow-enabled transport network

\*Programmable-  
Packet Transport Node

Highly resilient, managed paths by MPLS-TP

Dynamic provisioning of MPLS-TP LSPs and Pseudowires by OpenFlow

- Resource-optimized, automated, and real-time control

MPLS-TP: Next generation packet transport technology

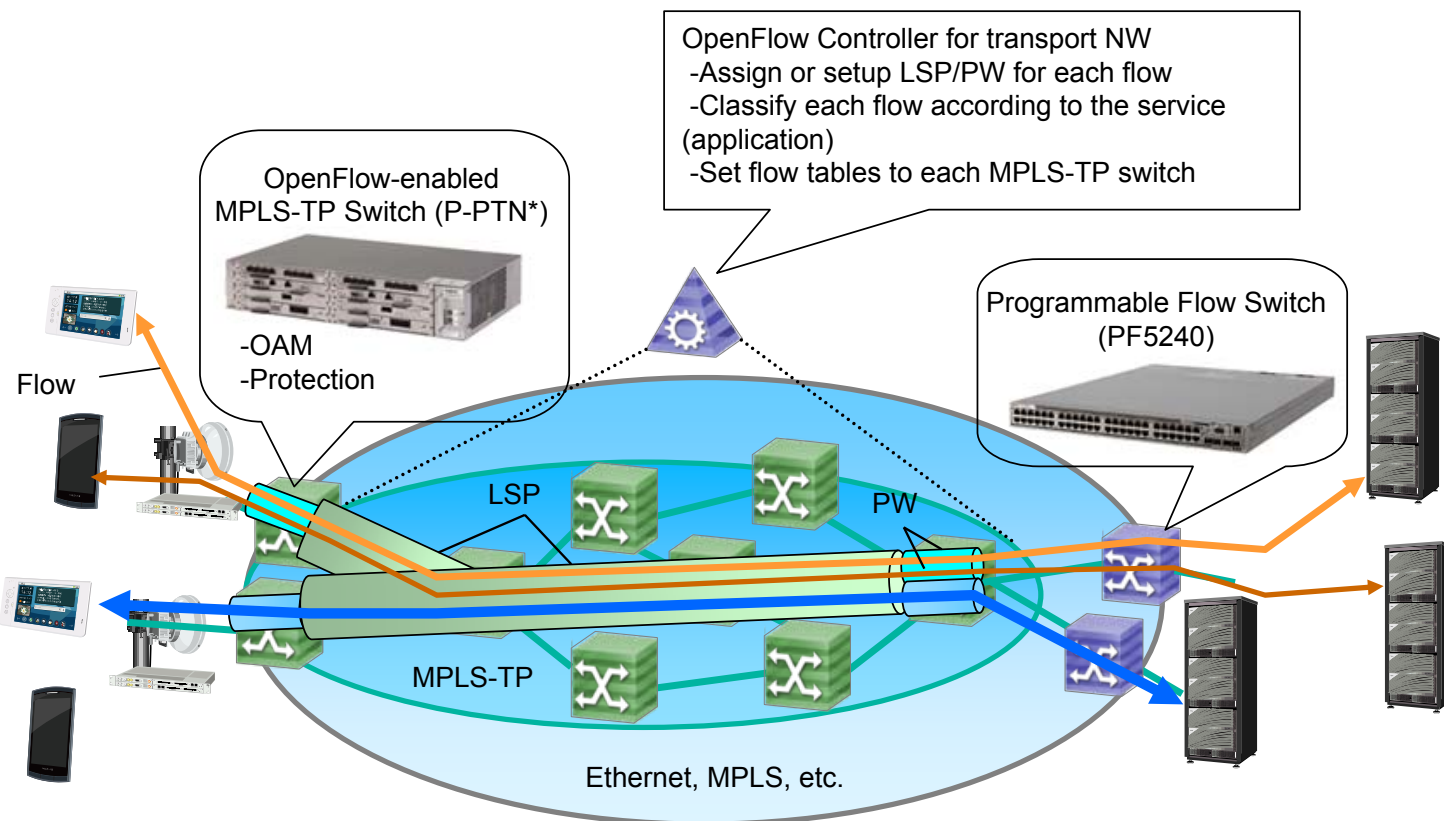
- High resiliency
- Rich OAM function
- IP-independent control plane

Control plane for MPLS-TP

- Dynamic provisioning
  - MPLS-TP LSPs
  - Pseudowires (PW)
- Requirements
  - Optimization
  - Automation
  - Real-time control

OpenFlow as MPLS-TP control plane

Requirement	OpenFlow
Optimization	Resource optimization by centralized control
Automation	Well specified automatic flow control
Real-time control	First packet of flow triggers flow-setup control



# OpenFlow-enabled Virtual Network Infrastructure for the Cloud



# NEC