

Optical Core Node Technologies for SDN

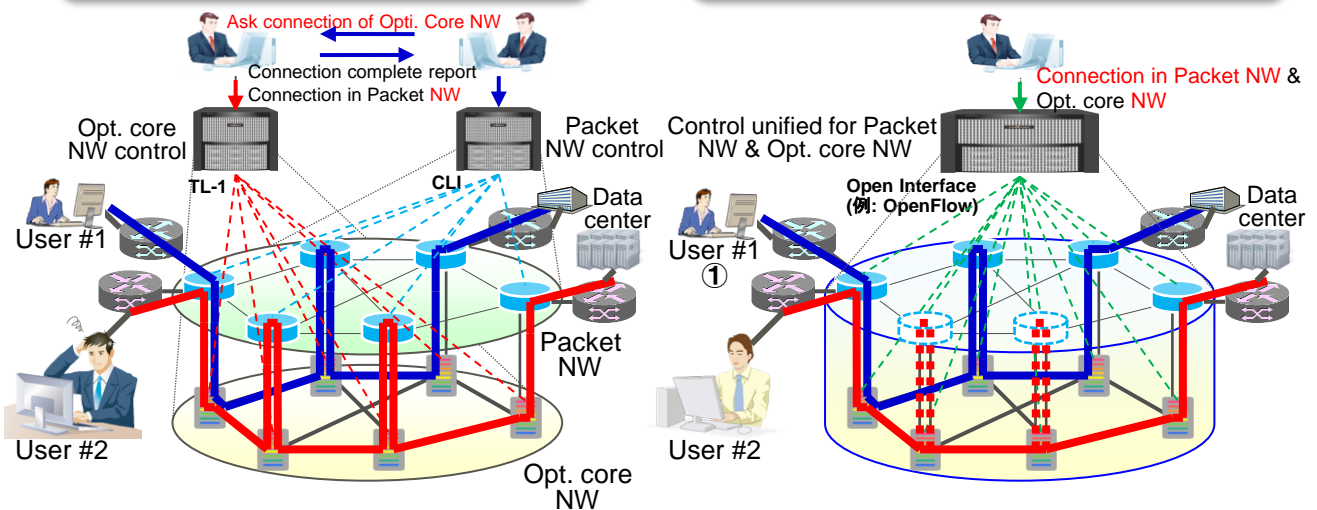
- Flexible, Agile Network Services for Dynamic Traffic Demands -

Background / Our Target

- Background: in order to satisfy different demands of increasing services, multi-layer node technology and its control technology to provide users better quality are needed.
- Our target:
 - For a variety of service quality, technology to flexibly aggregate user packet signals over high-capacity, low delay, reliable optical core network
 - Like a cloud service, technology to rapidly on-demand use multilayer network which consists of packet network and optical core network

Existing: layer-by-layer control

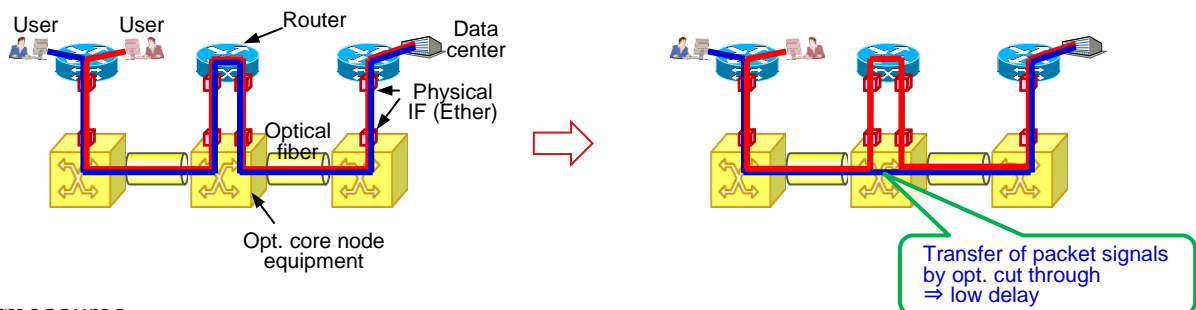
Our target: flexible, agile control with multilayer network integration



Demonstration

Purposes:

- To transfer packet signals through optical core network only
- To improve users' satisfaction by low delay of signal traffic



Countermeasures

- To be able to reduce delay time of packet signal by optical cut through
- To improve throughput performance of network services with TPC protocol by low delay
 - Time reduction for a huge data transfer between Data centers
 - Better quality of experience for remote desktop and 3D CAD application, etc.