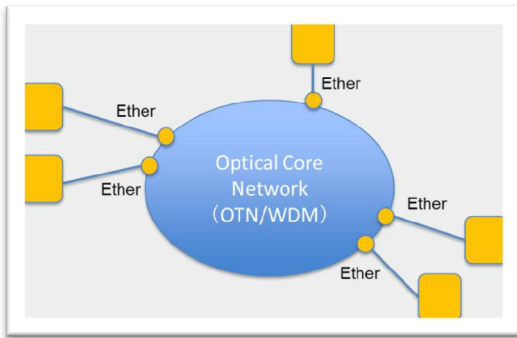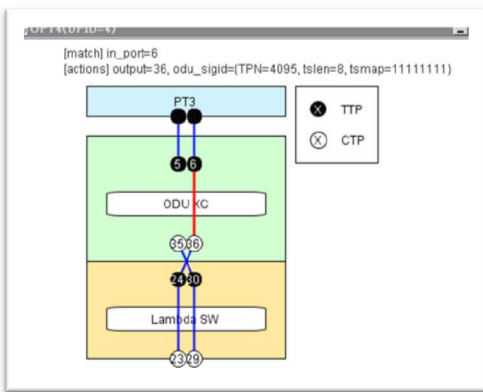# OPTICAL CORE NETWORK SDN SOFTWARE
OPT-TRANSPORT APPS OF O3 ORCHESTRATOR & CONTROLLER SUITE
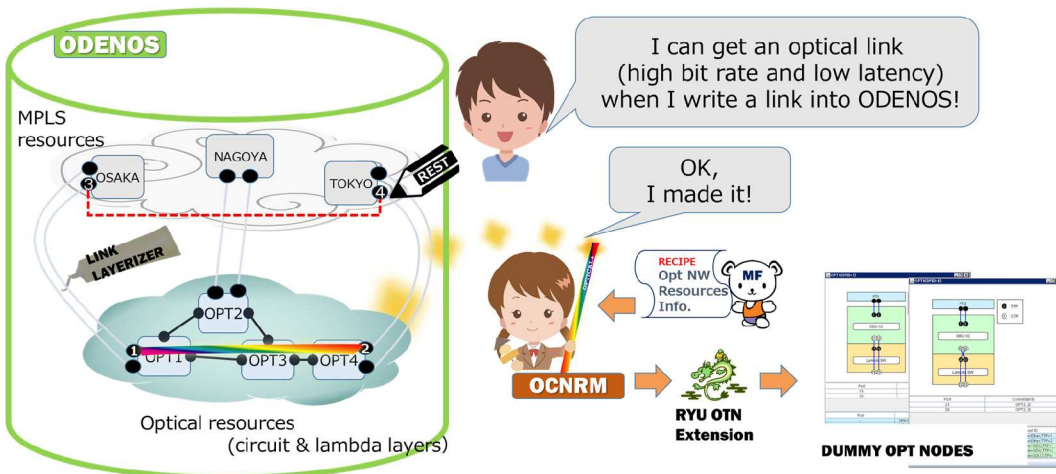

Target Network

Visualize ODU XC
(DummyOptNode GUI)

HTTPS://GITHUB.COM/O3PROJECT/

- **Manage & control the optical core network that provides a high-speed Ethernet transfer.**

  "DummyOptNode" application is also provided.

- **On-demand optical resource control**

  OpenFlow OTN extension [EXT-445] is implemented in RYU and openflowj-otn which is used by DummyOptNode to dynamically set up ODU XC in order to provide the on-demand Ethernet connection service.

- **Work with ODENOS v1.0.0**

  ➢ Multilayer virtualization by abstracting a lower layer path as a upper layer link (Link Layerizer)

  ➢ Resource can be requested and controlled through ODENOS REST I/F

[SOFTWARE]

1) **ocnrm**
2) **pseudoMF**
3) **dummyOptNode**
4) **ryu-oe**
5) **openflowj-otn**

oe: OTN Extension

MF: Management Functions

Explanation web page http://www.o3project.org/en/fujitsu/