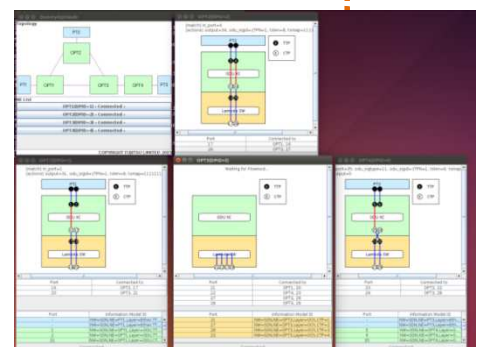
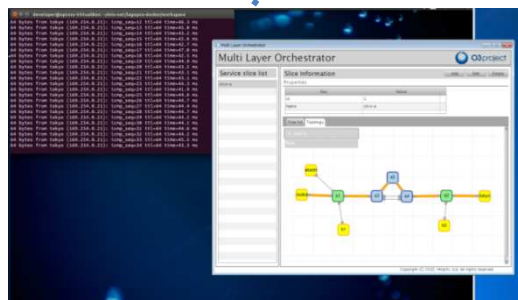
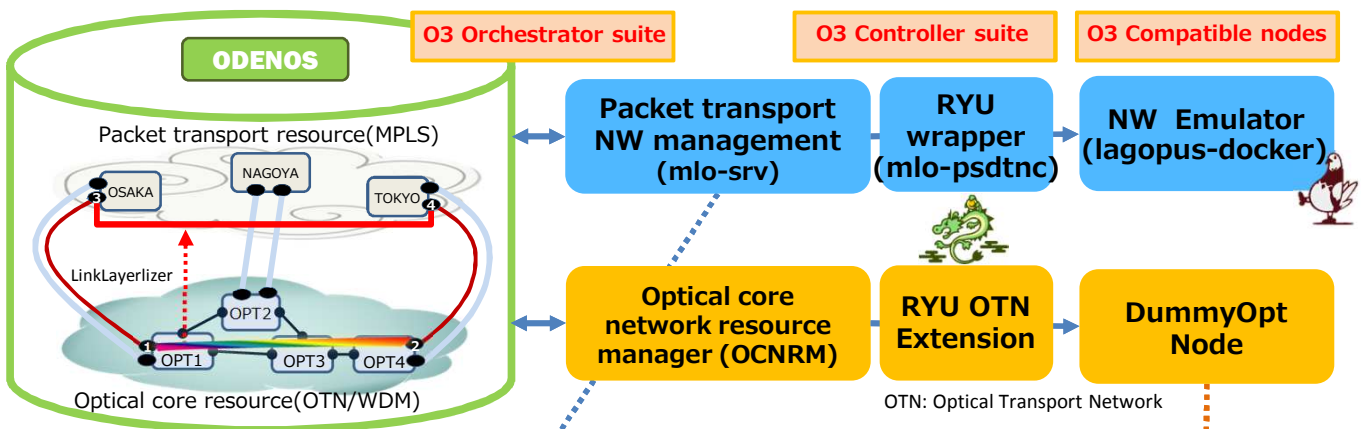


Open Source Software for SDN Transport Networks

- **Effects of SDN based integrated management and control for packet transport and optical core networks**
 - Realize automatic and efficient network operations by the multilayer integrated management
 - Enable control of underlying network layers by operating only a user's service layer
- **PKT-Transport of O3 Orchestrator & Controller suite & Compatible nodes (Hitachi, Ltd.)**
 - Multi-layer orchestrator which automatically configures virtual path to fulfil service requirements (bandwidth, delay)
 - Network emulator which enables simplified configuration by using "lagopus" software switch
 - Network control server which simulates NBI of SDN controller for packet transport (aka. SDTN-C)
- **OPT-Transport Apps of O3 Orchestrator & Controller Suite (Fujitsu, Ltd.)**
 - The optical core network resource manager (OCNRM) that virtualizes the multilayer network including the optical core network and cooperates with ODENOS which orchestrates the other layers
 - The optical core network driver and the OpenFlow protocol extension that enable to control the optical core node which has OTN/WDM cross-connect function
 - The DummyOptNode which imitates the optical core node and visualizes the cross-connect status
- **Effect of OSS**
 - Enables the experience of SDN management mechanism of packet and optical network integration by using this open source software
- **Download site**
 - <http://www.o3project.org/en/>



 **Explanation page**

- <http://www.o3project.org/en/fujitsu/>

Visit at "www.o3project.org/en."

This research is executed under a part of a "Research and Development of Network Virtualization Technology" program commissioned by the Ministry of Internal Affairs and Communications.



©O3 project 2015