O3 project™
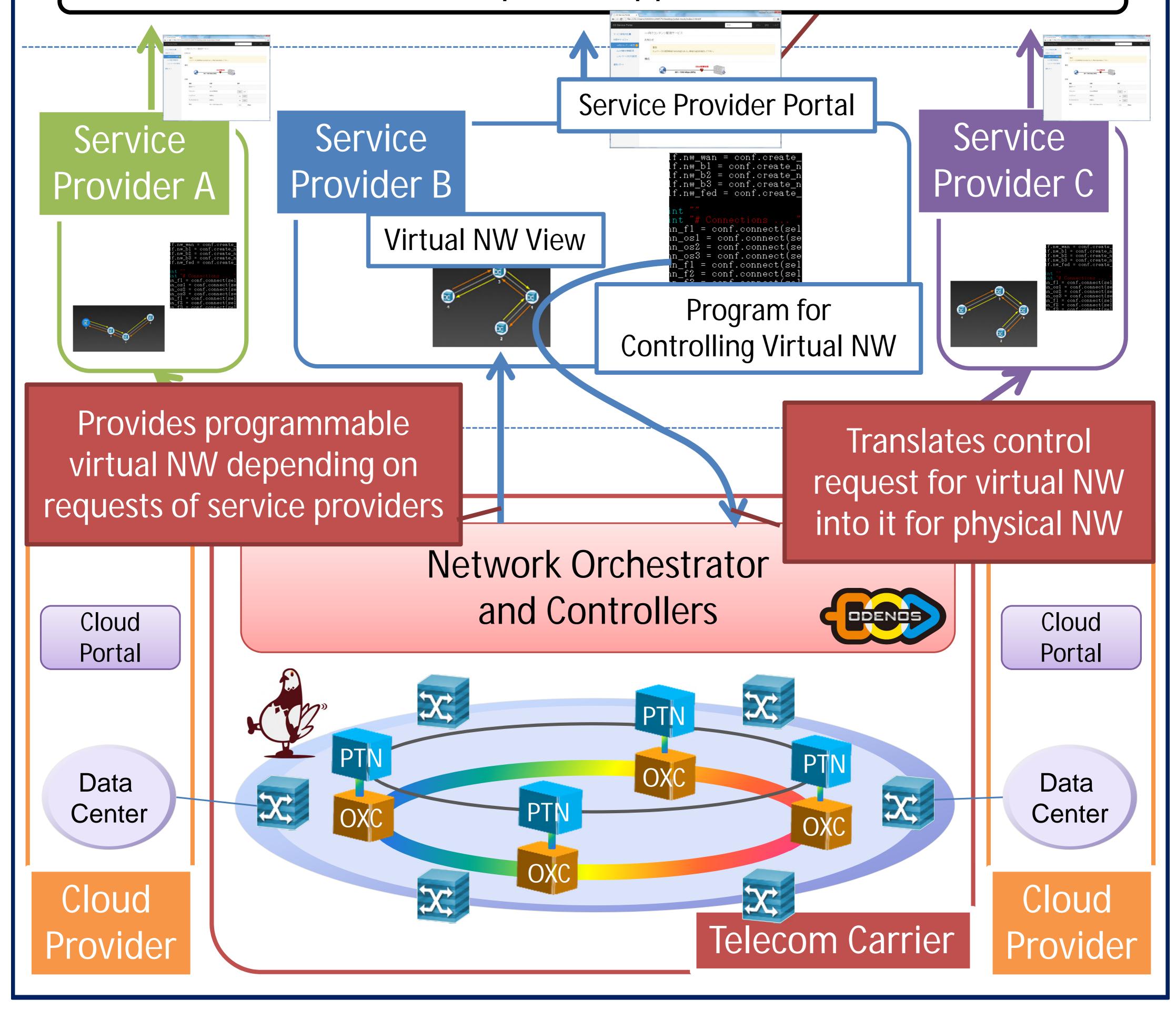
Network Orchestration for Enabling Collaboration between Telecom Carriers and Service Providers

Service providers without physical infrastructure can provide their original network services with additional value by their software controlling virtual network

Customers (Enterprises, Application Providers)

Service Provider Portal

Service Provider A

Service Provider B

Virtual NW View

```
f.nw_wan = conf.create_
f.nw_b1 = conf.create_n
f.nw_b2 = conf.create_n
f.nw_b3 = conf.create_n
f.nw_fed = conf.create_

nt ""
nt "# Connections
n_f1 = conf.connect(sel
n_os1 = conf.connect(se
n_os2 = conf.connect(se
n_os3 = conf.connect(se
n_f1 = conf.connect(sel
n_f2 = conf.connect(sel
```

Program for Controlling Virtual NW

Service Provider C

Provides programmable virtual NW depending on requests of service providers

Translates control request for virtual NW into it for physical NW

Network Orchestrator and Controllers

ODENOS

Cloud Portal

Data Center

Cloud Provider

PTN
PTN
PTN
PTN
OXC
OXC
OXC

Telecom Carrier

Cloud Portal

Data Center

Cloud Provider