



pOLTA Pluggable OLT Abstraction

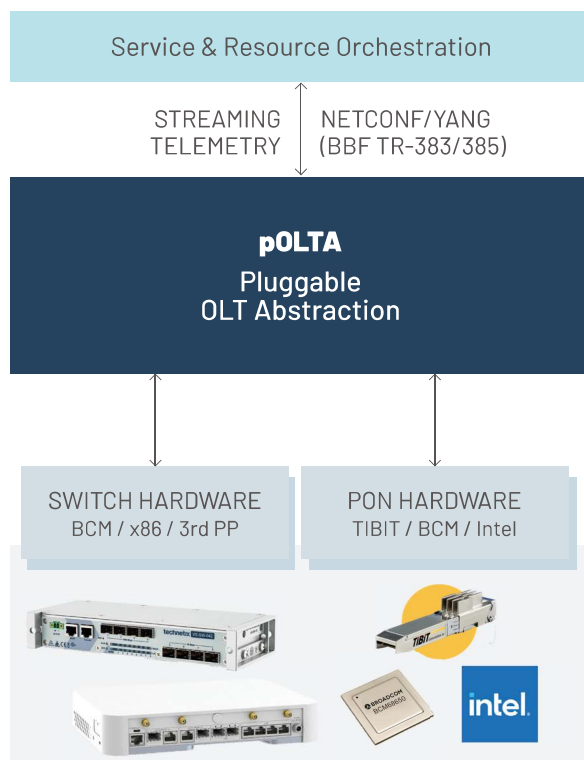
pOLTA is a **cloud-based provisioning tool** for **FTTH** services developed by BISDN. pOLTA simplifies the integration of both PON and switch hardware components from **different vendors** to be abstracted and exposed as an OLT device to avoid vendor lock-in.

pOLTA provides a standardized interface to service and access network orchestrators based on **BBF TR-383/TR-385**. The disaggregation is a key design principle to release the innovation and competitiveness in

the access network market. pOLTA enables software and hardware **disaggregation** providing whitebox OLT devices as well as a cloud-native control plane to build disaggregated architectures.

pOLTA provides a wide range of OLT deployment locations, from remote OLT to central office, thus enabling **cost efficient scaling** and easy transition from copper to fiber networks.

TRANSFORM YOUR HARDWARE INTO A MANAGEABLE OLT



- BISDN pOLTA is a **software solution** for easy and convenient management and scaling of such OLTs.

- Combines **different PON and switch hardware options** to create a tailor-made disaggregated OLT to reach your target market.

- **Reduces time to market** to build your customized FTTH solution.

PLUGGABLE OLT ABSTRACTION

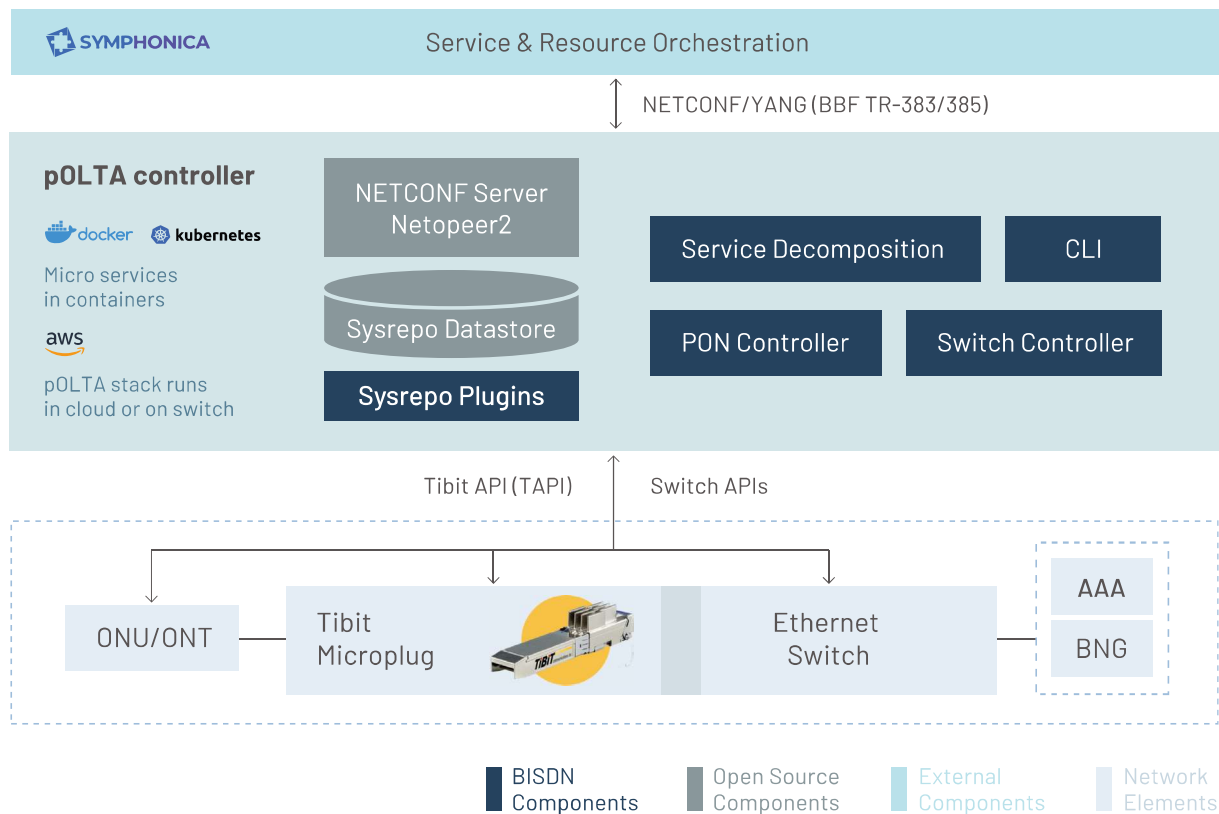
- Provides a single **BBF standardized** interface to assure compatibility.

- Hides the complexity of managing multiple hardware components by creating an **OLT abstraction**.

- **Multi-vendor** support by integrating a variety of PON and switch hardware of your choice.

- Solution **customizable** to your needs.

STANDARDIZED PROVISIONING SOLUTION FOR DISAGGREGATED XGS-PON OLTs



MULTI-VENDOR AUTOMATION

- Zero Touch Provisioning (ZTP)
- Infrastructure provisioning
- Service provisioning and activation
- Service profiles management
- ONU Inventory
- Streaming telemetry & alerts handling

pOLTA is the ideal software solution for a variety of TiBiT Microplug based OLTs, including remote OLTs, modular OLTs and high-density OLTs.

ABOUT US

BISDN was founded in 2012 in Berlin, Germany, and set out to develop the software needed in the rapidly changing world of software defined networking. Based on long-standing experience in the area of telecommunication as well as data center networking, BISDN focusses on high-performance whitebox switching and open network software solutions. With BISDN Linux at the core of

most of their products, it covers end-to-end components for fiber access networks, from whitebox XGSPON solutions to vBNG.

In 2023, we co-founded BISDN S.L. in Bilbao, Spain. The Spanish team will concentrate on product development for our pOLTA product, and provide sales and support for the Spanish-speaking markets.

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