



Zero Touch Provisioning Solution for Fiber-To-The-Home (FTTH) Developed By Intraway and BISDN

Intraway, a leading global provider of Operations Support Systems (OSS) no-code cloud-native provisioning solutions, and BISDN, an information services company focused on network virtualisation and SDN integration into whitebox hardware, have successfully collaborated on a XGS-PON Zero Touch Provisioning (ZTP) solution for FTTH. This solution is built upon their respective Symphonica and pOLTA products. Operators can seamlessly leverage ZTP to reduce the cost and complexity of commissioning and provisioning of new high-speed data services to their customers.

Multi-vendor automation is supported by the orchestration capabilities of Symphonica and the standards-based interface exposed by pOLTA. With Intraway's core software, Symphonica, operators can easily define new workflows in a fully graphical user interface ("no-code").

Essential service provisioning and activation has now been implemented in collaboration between the two companies. This comprises activate, suspend, resume, bandwidth modify, and delete functions. Both companies also join forces in integration of Symphonica into existing OSS/BSS systems and hardware environments.

pOLTA (pluggable OLT abstraction) is a cloud-based provisioning tool for fiber-to-the-home (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 northbound interface (NBI) to access network and service orchestrators based on BBF TR-383/TR-385. In order to release the innovation and competitiveness in the access network market, the disaggregation is a key design principle. 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.

Over the past year both companies have invested into a joint effort to unleash innovation in the fiber-based access network ecosystem and provide fast, reliable and cost-effective connectivity services to end users. "BISDN is one of our earliest and most innovative partners we are aligned with, and their support of the Symphonica solution as part of their portfolio validates our approach to the market and the flexibility and extensibility of the platform", says Mark Abolafia, SVP, Global Channel Program at Intraway. "We look forward to many other areas of collaboration in the future".

The integration of Symphonica and pOLTA to assemble the ZTP workflow reveals a huge impact for the service provisioning and activation process, while demonstrating the ease of creating



such advanced solutions. Moreover, pOLTA becomes the first NETCONF/YANG interface supported by Symphonica. Dr. Hagen Woesner, BISDN Managing Director adds, "We both have invested effort over the last few months, and now those efforts have begun to bear fruit! We have expanded our portfolio across many more digital service providers. Leveraging our NetConf technology, this solution enables operators to introduce new services faster, ultimately facilitating and improving effective business operations while reducing operational costs."

Both companies will be together at the upcoming telecommunications conference [ANGA.COM](https://www.anga.com) in Cologne, Germany from May 23- 25 2023. To discuss the partnership further and see the technology in real-time, schedule time [here](#) to meet with both teams at once.

About BISDN

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, BISDN aims to build the free and open SDN solutions needed for the future world of networking. It covers end-to-end components for fiber access networks, ranging from whitebox XGSPON solutions to vBNG.

BISDN is a member of TIP and BBF, and actively collaborates with hardware vendors and carriers.

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About Intraway

With over 40 million subscribers successfully served in more than 20 countries over three continents, [Intraway](#) specializes in driving fixed line and wireless operators' Digital Transformation projects with a 100% success rate. Supported by a staff that clients claim is a natural extension of their team, Intraway supports Telco Cloud initiatives for operators looking to reduce OpEx and migrate BSS/OSS functions to the Cloud.

Our globally deployed, award-winning Business Process and Service Orchestration platform, [Symphonica](#), is a no-code, cloud-native, telco-grade orchestration and service activation platform for automating the entire life cycle of services orchestrated across multiple networks and technology domains. Whether Communications Service Providers (CSPs) want to increase agility through automation, modernize operations or embrace digital transformation, Symphonica has you covered.

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