Basebox

**BASEBOXD**

*Baseboxd* is a controller daemon integrating whitebox switches into Linux. Based on OpenFlow Data Path Abstraction (OF-DPA), it translates Linux netlink into switch rules and vice versa. Our solution can be easily managed and flawlessly integrated in any existing Linux environment. It can be combined with *CAWR* for scaling switch capacity.

**CAWR**

*CAWR* – which stands for Capability AWare Routing – is a supplemental shim OpenFlow controller that creates a giant switch abstraction from a set of whitebox switches. This giant switch smoothly integrates with *Baseboxd* and lets you scale your effective switch capacity. It implements multi-path routing and supports multichassis link aggregation. *CAWR* combines a scalable data center switching solution with high availability.

**OPNFV-READY CLOUD INTEGRATION**

We provide a Neutron ML2 plugin as well as customized solutions that can be combined with *Baseboxd* for seamless integration with OpenStack and other cloud computing environments.

**BISDN LINUX**

We also offer *BISDN Linux*, a custom Linux-based operating system for selected whitebox switches. This lightweight distribution supports *Baseboxd* as well as most native Linux networking tools.
OUR OTHER SOLUTIONS

BUSINESS CLOUD GATEWAY

*We work towards the personalization of networks.*

The cloud gateway allows our small and medium business customers to connect their internal infrastructure to a cloud of their choice. They can roll out any service on the gateway itself, turning the appliance into a NFV service delivery platform.

BISDN also offers cloud backend services at a data center in Berlin.

MANAGED WI-FI

*The next big thing in whiteboxing is Wi-Fi.*

With an SDN-based, open, cross-vendor system, we address the challenges of smaller cells and the increased complexity of frequency management, handover, and flow steering. We apply and extend future-proof, cloud-based provisioning solutions for Hotspot 2.0 access points.

Our software runs on Broadcom™ and Qualcomm™ platforms for 802.11 ac wireless access points. We also customize our solution to other platforms.

Software for the whitebox transformation

We offer core components for the SDN integration into whitebox hardware. Our high-performance solutions for network virtualization pave the way towards open infrastructures. For our customers, hardware vendors and network operators, we develop new network designs and prototypes that facilitate the migration of traditional networks towards SDN and NFV.

**CONSULTING**
We assess existing solutions and develop architectures for data and control plane to find the best solution for our customers’ needs.

**LICENSING**
Our carrier-grade solutions are built in close collaboration with large carriers and vendors, making sure that their requirements are met.

**PROTOTYPES**
We build modular systems tailored towards solving specific problems.

**OPEN SOURCE**
OpenFlow compliant data path element xDPd.

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