

Technical definition of BIX point to point 10Gbps service

The purpose of the service is: to offer connection of two Layer3 routers through 10Gbps connection between two different BIX sites; using BIX network devices and the data transmission capacity of BIX.

Technical requirements for using the BIX point to point services:

1. The service is not intended to link Layer2 switches between two different sites.
2. Regulations for a point to point 10Gbps service
 - a. Only Ethernet based data transfer is supported.
 - b. The available Ethernet interfaces types are:
 - i. On the Victor Hugo utca site: 10Gbase-LR or 10Gbase-SR
 - ii. On the Dataplex site: 10Gbase-LR
 - iii. on the Dataneum site: 10Gbase-LR
 - c. Optionally it is possible to connect multiple 10Gbps ports with LACP LAG (Link Aggregation Group)
 - d. The point to point 10Gbps service is not transparent for Layer2 protocols. LACP, CDP, LLDP, STP and other Layer2 protocols are terminated by BIX devices.
 - e. The 802.1q VLAN trunking and QoS settings are not supported on the interfaces.
 - f. The use of the Spanning Tree protocol (STP) is not supported. The STP protocol must be disabled on the interfaces of the customer's side.
 - g. Maximum 10-10 MAC addresses can be used on both sides. If the MAC address limit is exceeded, the interface will be automatically disconnected by the BIX devices.
 - h. Only 1 500 bytes Layer2 payload is supported for data transfer. (IP MTU).