

100GE @ NIX.CZ

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NIX.CZ 100GE EFT

- **2 years ago NIX.CZ joined 100GE EFT Cisco Nexus 7000 group**
- **EFT = Early Field Test / Trial**
- **NIX.CZ was one of the first 100GE N7K HW testers this May**
- **HW interoperability tests, not performance tests**
- **Cheap LAB solution = small with borrowed test equipment**
- **Tests with test partner Telefónica O2 Czech Republic**
- **European IX pioneer together with AMS-IX and LINX**

NIX.CZ 100GE EFT HW PLATFORM

CISCO NEXUS 7000 2-Port 100 Gigabit Ethernet Module



N7K-M202CF-22L

Price MSRP: 70.000 USD

CISCO CFP transceiver module
supports a link length of 10 kilometers
on standard single-mode fiber

Price MSRP.: 56.000USD

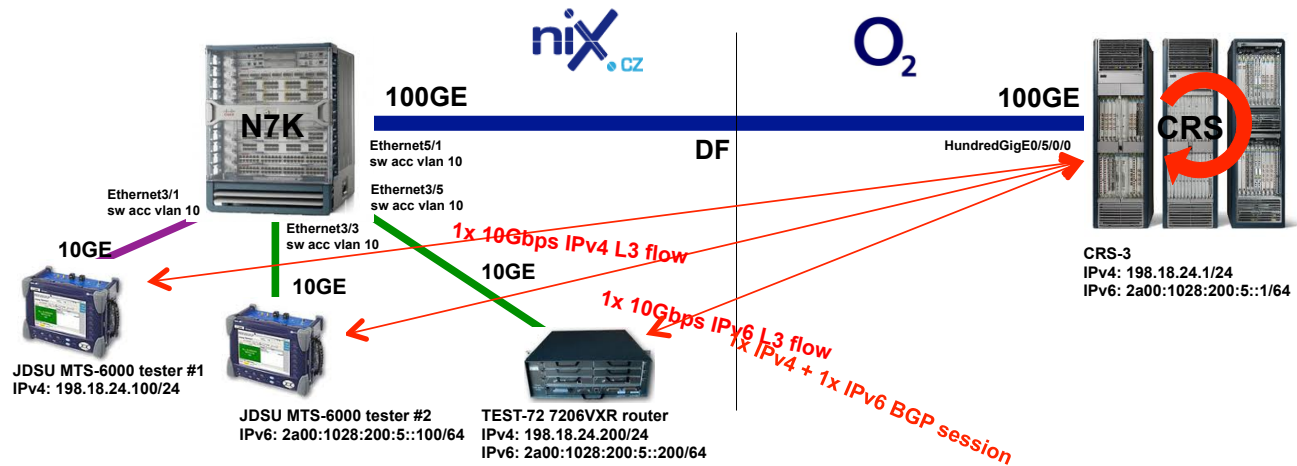


CFP-100G-LR4

100GE EFT 02 – NIX.CZ

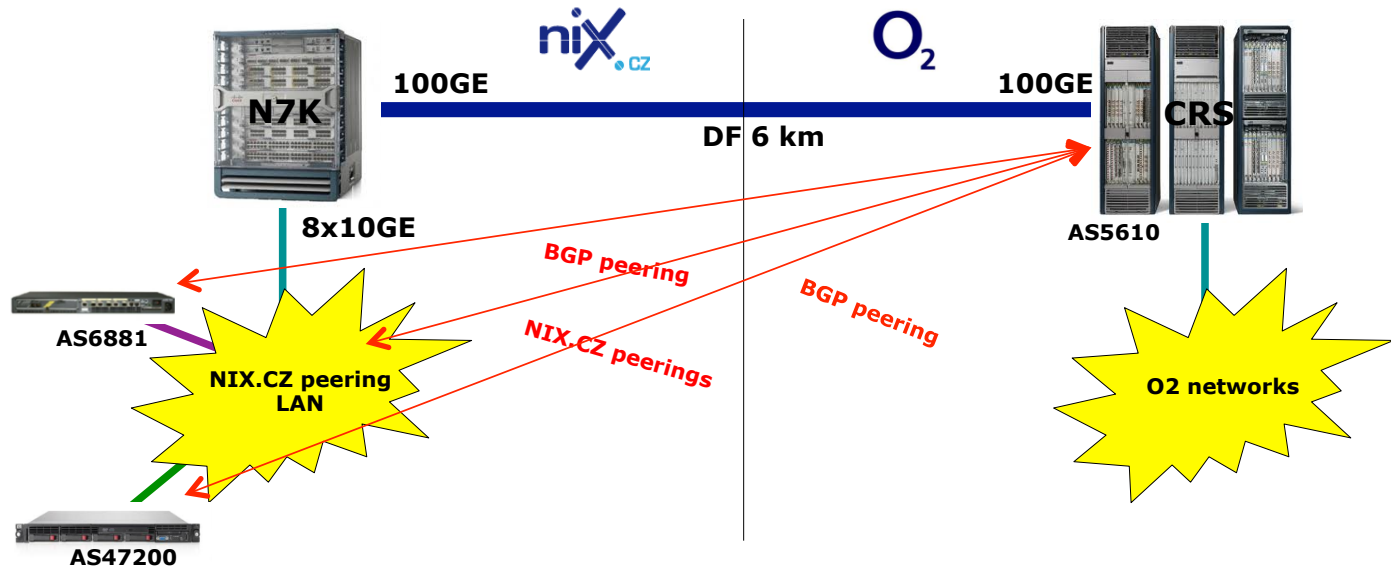
3 steps within 3 days

1. Tests without interconnection
2. Tests with interconnection and artificial generated traffic
3. Tests with interconnection, artificial generated traffic and BGP test sessions



100GE EFT 02 – NIX.CZ

4. One-week LIVE test with interconnection to NIX.CZ peering LAN



Results and conclusions

- **Cisco 100GE hardware is ready for deployment in NIX.CZ**
- **Cisco CRS-3 users are ready for 100GE peering**

- **The NIX.CZs first 100GE production connection for O2 was set up on 1.11.2012 at 06:30 CET in PoP NIX4**
- **The price for 100GE port is cca. 5.000EUR/month**
- **The second O2 100GE production connection has be set up in PoP NIX1**
- **Getting ready to test 100GE on Juniper platform**

EFP – Early field pictures

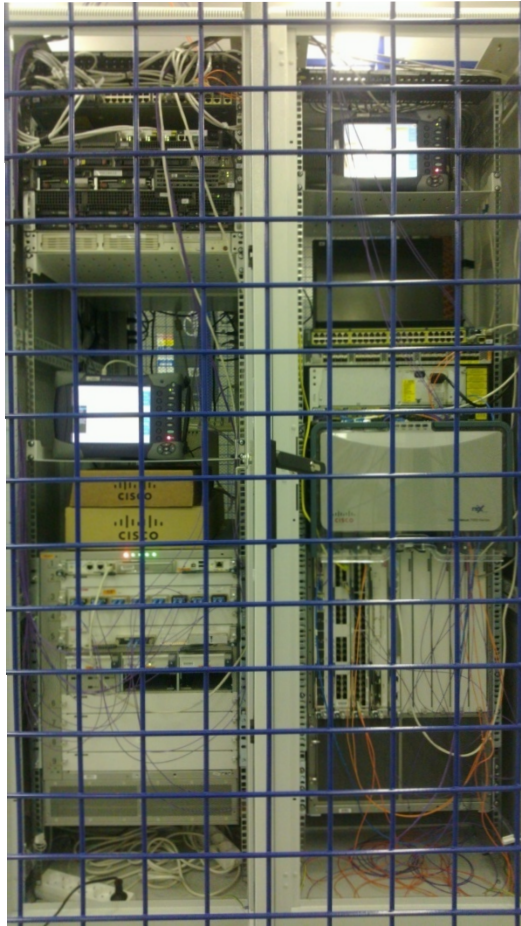


P. Jiran (NIX.CZ) & CRS-3 (O2) & V. Kordula (O2)



P. Jiran (NIX.CZ) & Nexus 7009 & O. Beran (NIX.CZ)

EFP – Early field pictures



NIX.CZ test lab



IXIA 100GE tester



100GE in production

Future

400 GE

1000 GE

? GE

? Questions ?



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