



Achieved! First company joins NIX.CZ with 400GE technology



O2 Czech Republic announced that it has connected to the NIX.CZ node using 400GE technology. This connection was realised by using two 400GE ports.

The total internet traffic of O2 Czech Republic has been growing significantly. At the beginning of this year, this prominent Czech ISP has experienced a record in data transmission, during which the limit of 1 Tbps was exceeded. This also caused a notable increase in data transmission into NIX.CZ via the new 400 GE Ethernet technology. So far, O2 Czech Republic has been connected to the national peering node by five 100 GE ports on two paths. The traffic has newly been increased to 800 Gbps with the two times 400 GE connections.

"It is much appreciated that together with O2 we were the first in the Czech Republic

to successfully test and deploy this technology. We believe that in the near future there will be more Internet companies that will benefit from this technology," said Adam Golecký, director NIX.CZ. *"The 400 GE technology is another generation leap. Our goal is to finalize an upgrade of the second link to reach a total of 2x 800 Gbps connectivity."*

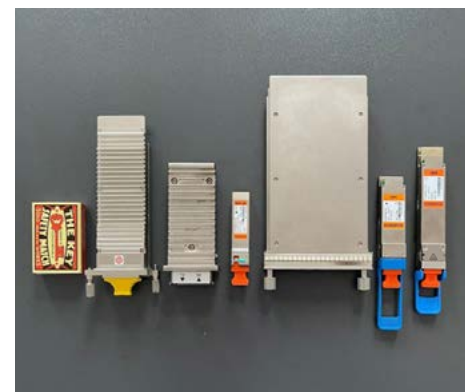
For O2 Czech Republic, one of the main goals of this technological improvement is to create a reserve for peak hours, which are brought about by significant use of home connections for working from home, online teaching and entertainment.

Technological changes in NIX.SK

In terms of technology, a generational change has been carried out in NIX.SK (operated by NIX.CZ) recently. The original Nexus 7000 switches have been replaced by Nexus 9300 switches — thanks to the use of EVPN / VxLAN technology, these models allow for greater scalability and better traffic control.

"Currently there is no need for 400 GE ports in NIX.SK just yet, hence we opted for the models that have thirty-six 100 GE ports. There will be forty-eight 25 GE ports and twelve 100 GE available for clients. With the increasing number of connections, new access elements will be added to enable connection into the heart of the network," commented Marian Rychtecký, Technical Director of NIX.CZ, on the changes in NIX.SK.

In direct connection with changes in the Slovak network, new backbone switches were deployed at Prague nodes too, these are now interconnected by 400 Gbps technology.



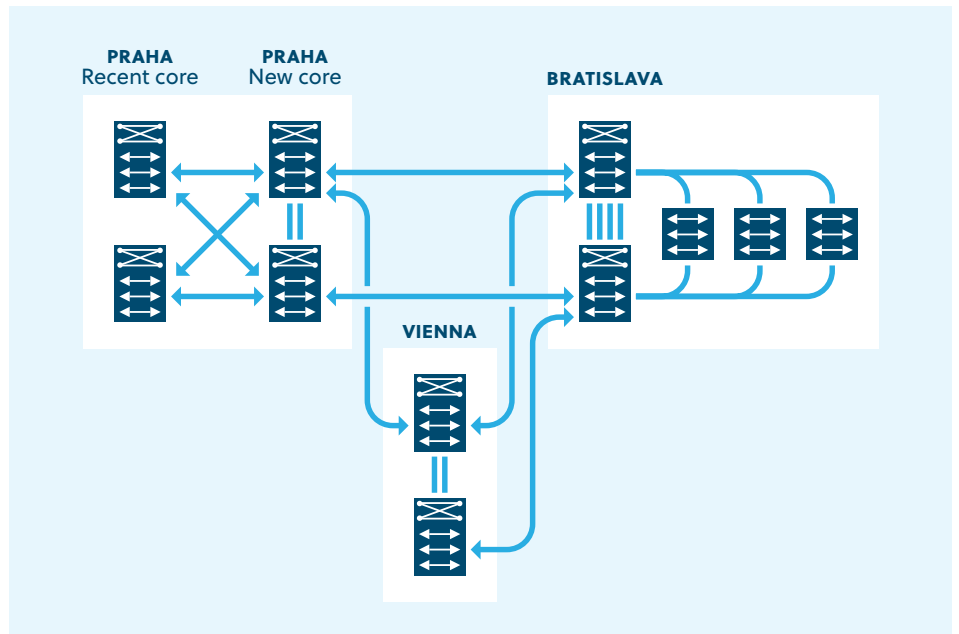
10 | 10 | 10 | 100 | 100 | 400. This is not a cipher entry from a lost diary. This is as the time went by backbone switches. Which ones do you remember?

NIX.CZ gains a new point of presence in Vienna

The Czech neutral peering node is expanding to a new country, to Austria. This step is related to the fact that one of the links from Prague to Bratislava runs through the Austrian capital. Logically, this offered the option of disconnecting the circuit and creating two separate paths (to Prague and Bratislava).

This setup was initially suggested by representatives of networks connected from Vienna, who were interested in joining NIX.SK in Bratislava. Typically, these were content providers who already had a big hub in Vienna and saw it futile to build out a new point of presence just a few dozens of kilometres away.

"NIX.CZ was also approached by the representatives of the Vienna data centre, suggesting that the Czech peering node builds a presence in Vienna. As the new network elements are affordable and one link has already led through Vienna, we decided to set up a new point of presence there. Our goal is for the Prague-Bratislava-Vienna circuit to have a capacity of two times 100GE," added Marian Rychtecký.



Jaroslav Střeščík, a long-term member of the Board of Directors of the NIX.CZ, has passed away

Jaroslav Střeščík, a long-term member of the Board of Directors of the NIX.CZ and a prominent figure in the Czech networking community, succumbed to health complications associated with COVID-19 in mid-March. Jaroslav Střeščík has been a member of NIX.CZ and served as a member of the Board of Directors for more than eight years. He tirelessly participated in numerous projects and activities, it is therefore a great credit to him that NIX.CZ is one of the most significant organizations in its field worldwide.

Peering Days postponed to 2022! See you next March

It has become a lovely tradition that the peering community would meet every March at our Peering Days event. Sadly, it seems that the COVID-19 pandemic has changed our plans once again. As it is still very difficult to predict the course of the pandemic, the speed of vaccination or rules for international travel this summer, after careful consideration, the organisers have decided to postpone the conference into 2022. We hope to be able to bring you a fantastic event next year. In the meantime, stay safe and healthy!