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Andrey Gazizov, CTO at RETN Ltd.

Success Story

Successful RETN-DE-CIX Cooperation on 200G Level

Connecting the World's Largest Telecommunication Nodes

RETN develops and operates its own fiber optic network ensuring data and IP traffic transmission between the world's largest telecommunications nodes. They serve different kinds of customers demanding reliable connectivity: carriers, ISPs, large enterprises, CDNs, financial and governmental organizations, hosting and Cloud providers.

180+ on-net PoPs, Bandwidth Speeds of up to 100 GE

Founded in 2002, RETN provides international IP transit, Ethernet VPN services, capacity, remote peering, colocation and other infrastructure services. Its network exceeds 32 000 km of lit fiber routes and connects 28 countries throughout Europe, Asia and North America, and has a heavy presence in Eastern Europe and Russia. The network infrastructure is based on Infinera 500 G Super-Channels and the total network capacity reaches 5 Tbps.

Network Connectivity Demands Escalating

More than 600 international and local providers and 500 corporate clients rely on RETN's network to transmit data across the globe. With the use of video, mobile devices, social networking platforms and cloud computing skyrocketing, RETN's network connectivity is in high demand. The company continues to expand its service offerings and international presence to broaden its reach and serve what has quickly become a global customer base.

Peering on a Global Scale

To best serve the connectivity demands of RETN's customers, DE-CIX's carrier- and data center-neutral Internet exchange platforms in Frankfurt and New York are the perfect partner. They allow RETN to interconnect with hundreds of global networks. Being a member of the DE-CIX Partner Program, RETN offers remote peering services to these Internet exchanges for all its clients via any RETN PoP.

Ranked as the top Internet traffic hub in Europe by TeleGeography, DE-CIX's carrier-neutral exchange in Frankfurt offers hundreds of networks and peering partners. And DE-CIX's New York exchange, where RETN is also present, enables its members to access the wholesale market of another continent.

The high density of network traffic offers RETN the ideal location to interconnect with a long list of carriers, which includes the largest carriers in the world. The combination of high availability, cost-effective pricing and impressive network "gravity" make DE-CIX an ideal interconnection partner.

"We are glad to be present at DE-CIX because it provides a gateway to a wide range of distant providers," explained Andrey Gazizov, CTO at RETN Ltd. "With its central location in Western Europe, DE-CIX Frankfurt offers access to hundreds of global and regional ASNs, while DE-CIX New York focuses on the North American market, providing possibilities for peering with more than 100 networks there. With DE-CIX, RETN improves its own network and enables its customers to connect remotely to one of the leading Internet exchange platforms in the world."

Advanced Technology for Best Service

The award-winning DE-CIX Apollon technology platform offers advanced Ethernet-based interconnection services over redundant Layer 2 networks across numerous locations in Frankfurt and New York. The high-capacity platform delivers security and reliability for RETN and all its customers.

200 GE and Growing to Respond to the Demand

DE-CIX's exchanges offer access speeds up to multiple 100 GE ports. Due to growing transport volumes with its more than 2,000 global ISP partners, RETN was one of the first members to upgrade its multiple 10 GE ports at DE-CIX Frankfurt to 100 GE in 2014. The recent upgrade to 200 GE addresses the ongoing demand for reliable and secure connectivity across all its peering relationships. RETN can fully respond to the demands of a larger number of clients by delivering top-notch and reliable remote peering services via the DE-CIX Internet exchanges.

"RETN is the first DE-CIX reselling partner which can offer its customers DE-CIX services based on a 200 GE peering port. This provides their customers maximum flexibility in terms of sizing their peering services," explains Melanie Kempf, Global Partner Manager at DE-CIX. "RETN was one of our top 3 reselling partners in 2015, and we look forward to seeing more networks connected via RETN."

About RETN

- » International network service provider, offering a range of telecommunications services: IP transit, Ethernet VPN, capacity, remote peering, colocation and other infrastructure services
- » Develops and operates its own fiber optic backbone of more than 32 000 km stretching across 28 countries and 3 continents
- » Constantly upgrades its network and increases the number of PoPs around the world which at the moment exceeds 180 on-net PoPs
- » RETN's network maintains a considerable volume of the international traffic exchange in Russia and other CIS countries
- » One stop shop with single point of contact and contract through RETN's international offices
- » More than 600 local and international providers and 500 corporate customers use RETN's network services
- » Significant total network capacity of more than 5 Tbps on the four main routes between Europe and Asia