

One gateway. All
networks. All clouds.

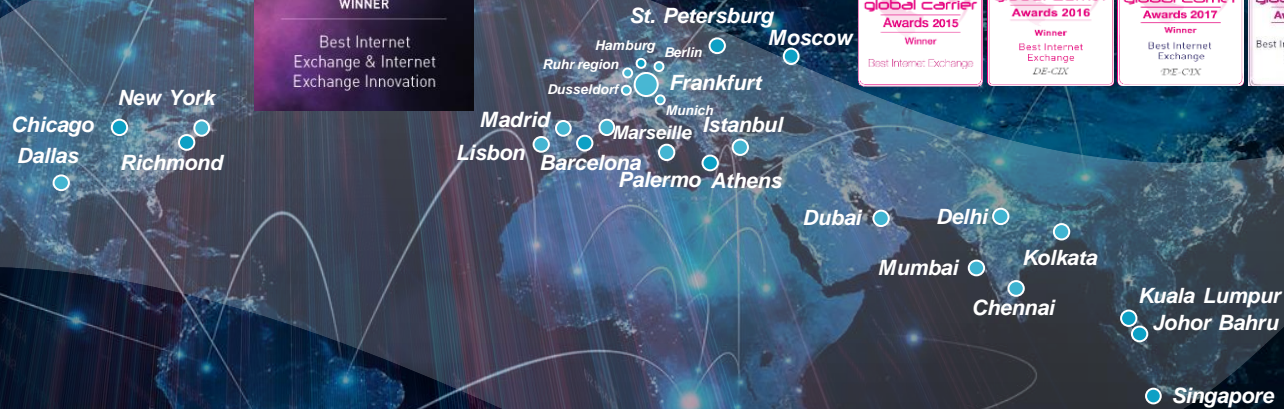
DE-CIX

Maxim Pozdnyakov

Markus Zechner



DE-CIX global reach and performance



2,100+
ASNs
Connected networks

27 IXs
16 Interconnected
NYC, LIS, MAD, BAR, MRS,
DXB, FRA, DUS, HAM, MUC,
IST, PMO, CHI,

500+
Access
Points

100+
Countries

66+
TB
Connected
Capacity

14+ Tbps
Peak Traffic

DE-CIX Nordics an ecosystem of 6 locations in 3 Nordic countries representing 62% of regional population and 64% of GDP

Within Nordics

A Hybrid setup of interconnection platform

- Local interconnection as well as distributed interconnection ecosystem of DE-CIX Nordics
- Integration of 3 Nordic capitals as a single local low latency network (<15ms.)
- Serving 62% of the population and 64% of GDP of the region
- Covering locally the 16% of all Nordic trade, and 15% of the German trade

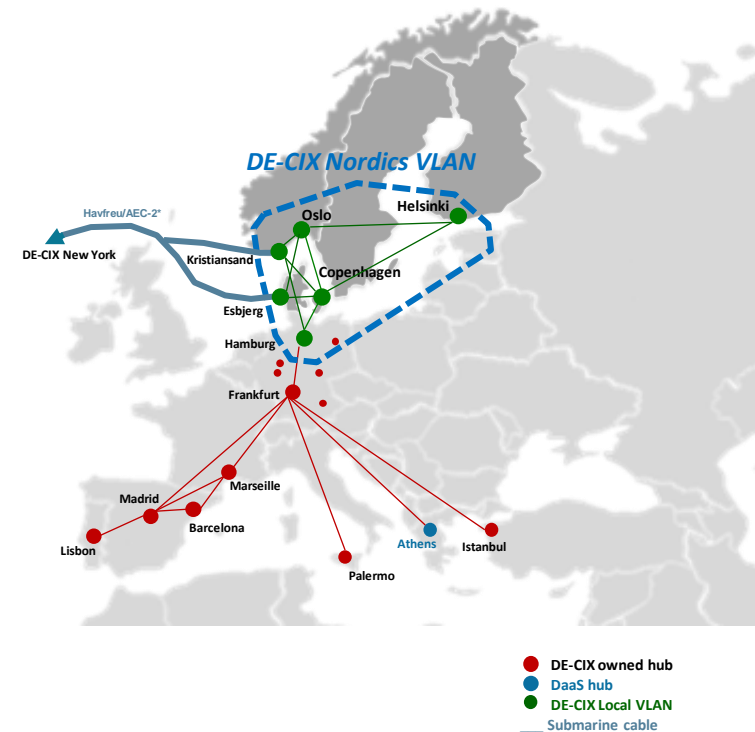
One-Stop Shop in each of the 3 Nordic capitals, bringing a local interconnection of all Nordic networks (GlobePEER Nordics & Cloud Connectivity Nordics)

- 6 IXPs operated by DE-CIX fully integrated as a single local network, facilitating the connection, upgrading & operation of networks (Stand alone local peering: Nordic Peering)
- Consolidating local Nordic content & (Cloud) applications directly to the region

Outside Nordics

The Nordics uniquely connected to the world's largest neutral interconnection ecosystem

- Direct terrestrial access through Hamburg to the largest Internet Exchange in Europe (DE-CIX Frankfurt)
- Direct access to the largest Cloud Hub for EMEA (Marseille) becoming an alternative / complement to UK & Sweden
- Direct submarine access to the DE-CIX ecosystem in North America via NY



Enterprise Connectivity but WHY?

- Requirements are getting higher
- Cloud solutions became business critical
- Need for „Security and Compliance“
- Cloud is becoming the new default

„Slow is the new broken!“

The data flow needs to be



Secure



Fast



Efficient



Compliant

DE-CIX Service Portfolio








Consulting

1. Interconnection-Consulting
2. Implementation-Support
3. Training and DE-CIX Academy



SERVICES

Access

-  **GlobePEER**
-  **DirectCLOUD**
-  **VirtualPNI**
-  **Microsoft MAPS**
-  **CUG Membership**
- ...

DirectCLOUD – Access to Cloud

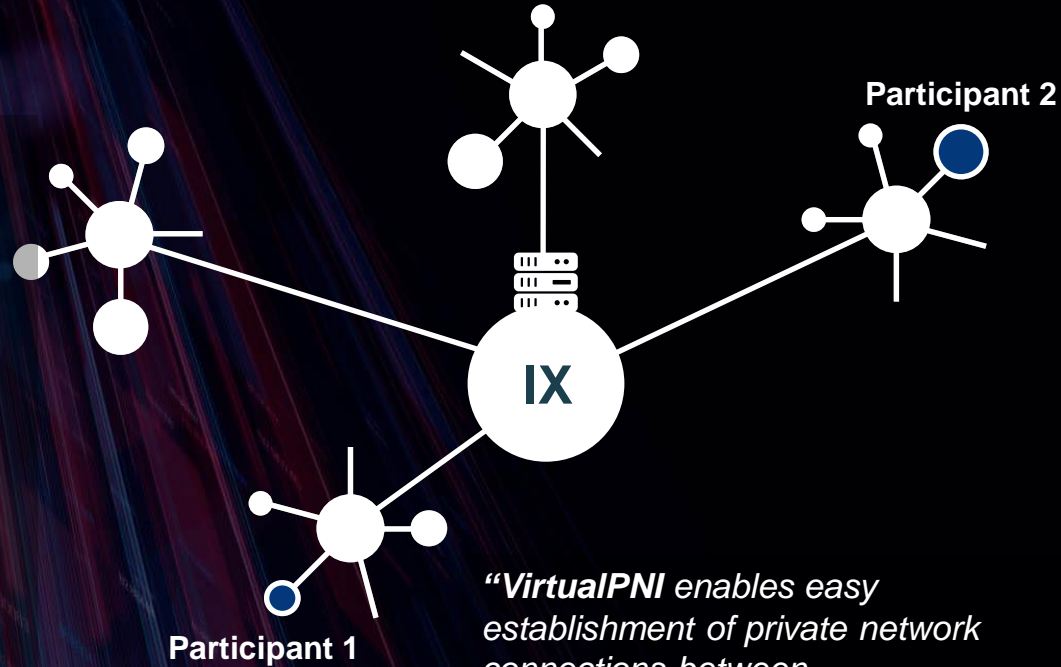
- **Private access** to over 50 certified cloud services
- large international providers such as **AWS, Azure, Google, Oracle or IBM**
- various **regional / local special** providers
- **High performance** and **low latency**
- **Security** because of private connection



“DirectCloud is a dedicated connection between your infrastructure and your preferred cloud provider”

VirtualPNI

- Flexible use for **MPLS connections**, **company networks**, **paid peering**,...
- Saves **CAPEX** and **OPEX** as of no hardware is required
- **Flexible Bandwidth** between 10 Mbps and 100 Gbps
- Available in **all DE-CIX IXPs** except **Dubai, Moscow**, and the IXs in **India**
- **Adjustable MTU size (9000 bytes maximum)**



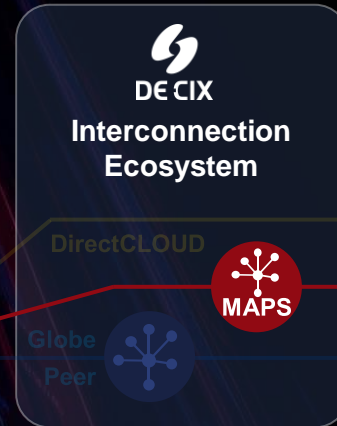
Microsoft MAPS

- **DDoS-safe** connectivity to Microsoft
- **Separated** from the public Internet
- **Dedicated** connection to Microsoft with **SLA-based** routing
- **Low latency** and **Traffic analysis** with Microsoft's **telemetry package**
- **IPv4 only**
- **More specifics (up to /32)** are allowed
- **No additional costs** on Microsoft side

Enterprise



Transit



Microsoft supported

Microsoft

Azure

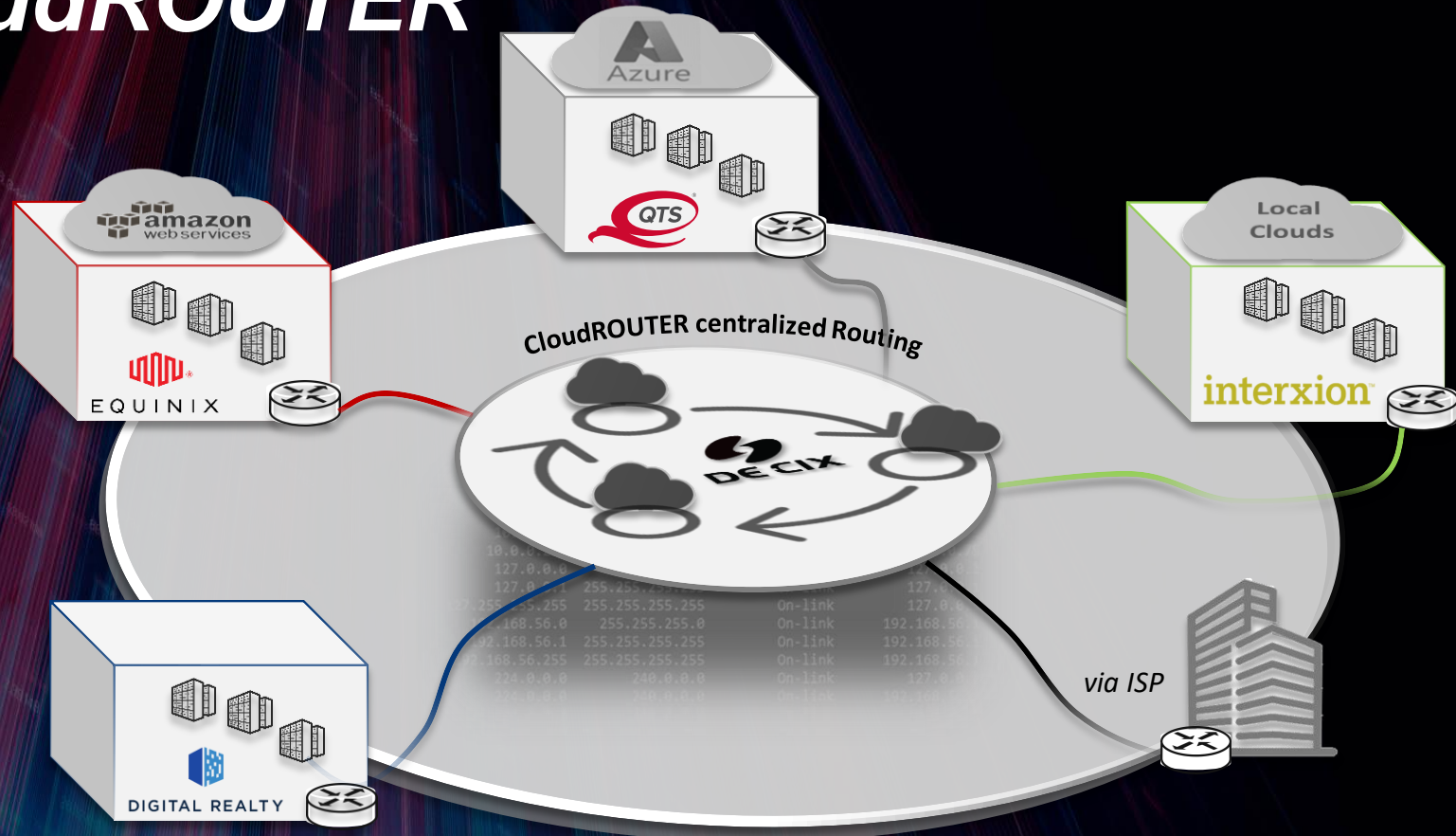
Office 365

AS8075 Carrier Peering

IP Transit Carrier

"Microsoft MAPS is your insurance to secure the connectivity towards Microsoft 365"

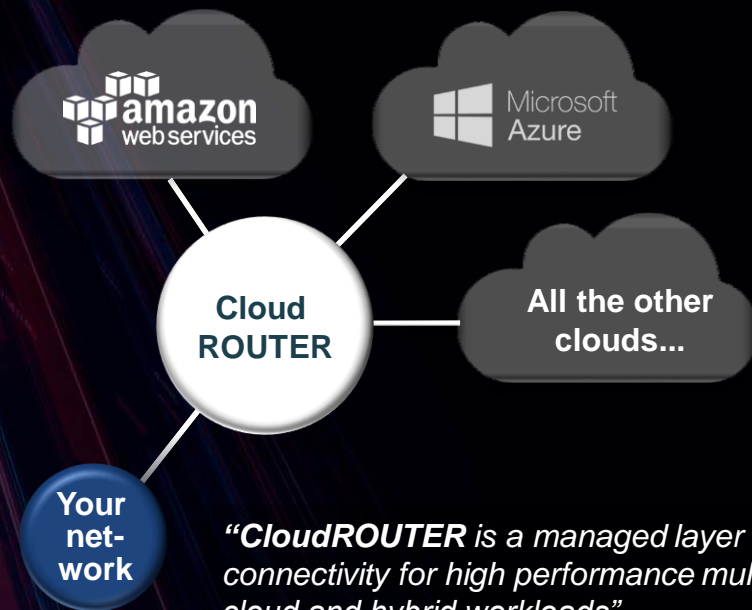
CloudROUTER



CloudROUTER – private Multi-Cloud routing



- **Cloud-to-Cloud** and/or **Hybrid-Cloud** connectivity
 - Cloud to Cloud needs **no** hardware, access ports or datacenter presence
- **100GE capable**, carrier grade routing equipment, **no software router**
- **API** and **portal** integration
- **Redundancy** by design
- **High performance** and **low latency**



"CloudROUTER is a managed layer 3 connectivity for high performance multi-cloud and hybrid workloads"

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DE-CIX Consulting

– Expert knowledge of the Champions-League



**Interconnection-
Consulting**



**Implementation-
support**



**Training and
DE-CIX Academy**