

→ Welcome to the first DE-CIX Newsletter of 2009!

Among other topics, this issue covers DE-CIX's most recent and upcoming activities in Russia, the new DE-CIX one time installation pricing, and the replacement of the DE-CIX core switches.

→ 2008 wrap-up

As already reported in the Nov/Dec 2008 newsletter, 2008 has been a great year for DE-CIX and our customers. The fourth quarter of the year was busier than expected. Even before Christmas, on Christmas, and right after Christmas DE-CIX received multiple last minute orders for upgrades and new customers wanted to connect to the exchange. As a result, engineering and support had a busy Christmas season fulfilling each and every request.

In 2008, DE-CIX connected over 60 new customers and saw a peak traffic increase to 600Gbps. This includes leading operators from Eastern Europe, Asia and the Middle East including Telekom Malaysia, Rostelecom from Russia and Qatar Telecom.

→ Focus on Russia:

- DE-CIX round table meeting Moscow
- MSK-IX Peering Forum 2008
- St. Petersburg Peering Forum

For the very first time, DE-CIX invited both customers and prospects to a roundtable meeting & dinner in Moscow. The meeting was designed to talk about peering topics of regional interest and about international network expansion and related peering topics. 20 attendees gathered on the evening of December 2nd at the Peter 1 Hotel in downtown Moscow for peering talk and dinner. The attendee list did include representatives from major ISPs such as Comstar Direct, Rostelecom, Transtelecom and Yandex.



Guests of the DE-CIX Roundtable meeting and Dinner in Moscow



DE-CIX' Frank Orłowski gave the „European Peering Landscape“ presentation at the Moscow Peering Forum



Konstantin Tschoumachenko (MSK-IX), Ivo Ivanov (DE-CIX), Elena Voronina (MSK-IX), Frank P. Orłowski (DE-CIX) at the Moscow Peering Forum

“This evening was a great success and certainly did help not only to improve the communication between DE-CIX and its customers but supported the social networking among the participants” says Ivo Ivanov, legal counsel for DE-CIX.

On the day after the DE-CIX roundtable meeting and dinner, the Moscow Peering Forum organized by MSK-IX took place. Once again, MSK-IX did a great

job hosting this forum. MSK-IX does not only operate an exchange in Moscow but in various other Russian cities including those in St. Petersburg, Samara, Novosibirsk and Vladivostok.

For the second time, Frank Orlowski gave a presentation at the forum. "European Peering Landscape" was the title of his presentation. The presentation gave the Russian audience in depth information about the European Exchange environment and traffic developments. Over 100 attendees joined the forum which turned out to be a great success.

On December 4th, 2009 Elena Voronina, Kostantin Tschoumachenko (both MSK-IX) and DE-CIX's Ivo Ivanov and Frank Orlowski met to discuss joint activities between MSK-IX and DE-CIX.

As a first result, an engineering staff exchange will be organized and both parties agreed on jointly hosting a peering forum in St. Petersburg in May 2009.

"This was one of the most successful business trips in 2008. DE-CIX is now clearly the number 1 exchange when it comes to serving Russian providers outside of their home market. The roundtable meeting & dinner was a great success, so was the Moscow Peering Forum. And we are excited to team up with our friends at MSK-IX to produce a peering forum in St. Petersburg which is the second largest IP market in Russia," says Frank Orlowski.

→ Russian incumbent operator Rostelecom connects to DE-CIX

Rostelecom is Russia's national telecommunications operator, providing wide range of products and services. The company owns and operates the country's most extensive nationwide fiber-optic backbone network (about 150,000 route km) which enables Rostelecom to provide voice, data, and IP services to business and residential customers across the entire Russian Federation and to domestic and international operators.



Ivo Ivanov (Lawyer, DE-CIX), Frank P. Orlowski (Director Business Development, DE-CIX), Liudmila Mukhina (Head of International IP and Data, Rostelecom), Svetlana Smirnova (Deputy Head of International IP and Data, Rostelecom)

DE-CIX is proud to announce that Rostelecom has chosen DE-CIX to enhance its IP backbone connectivity and capacity. In December 2008 the contract was signed at the DE-CIX headquarters in Frankfurt.

The DE-CIX connection will give Rostelecom access to up to 300 networks from 30+ countries.

→ DE-CIX pricing: Setup fees waived for GE ports

As of January 1st, 2009, DE-CIX is waiving the setup fee for Gigabit-Ethernet ("GE") ports and its 100Mbps service (which also uses a GE interface for the connection). At the same time the setup fee for 10 Gigabit-Ethernet ports ("10GE") is being reduced by 50% to 2500 EUR. This means that the promotional pricing that was in place for approximately one year has now been transferred to the regular price list.

→ DE-CIX to replace core switching infrastructure

Currently, DE-CIX operates 9 TeraScale E1200 Ethernet switches from Californian high-end switch maker Force 10 Networks. 7 switches act as edge switches that support 1GE and 10GE customer connections and 2 switches are used for the redundant core infrastructure.



Foundry MLX32 switch, 128 line rate 10GE port capacity, two of them will replace the existing Force10 switches in the DE-CIX core

DE-CIX uses DWDM technology and fiber protection devices to interconnect edge and core switches. This setup supports 160Gbps connections between every edge and the core switch using just one fiber pair. In case of a fiber break or an outage of one of the core switches, an automated failover that takes less than 10 milliseconds will occur.

This platform has proven to be rock solid and made DE-CIX one of the most stable exchanges in the world.

Currently DE-CIX operates over 300 10 Gigabit-Ethernet (“10GE”) ports in total and expects a growing demand for 2009. To further support the growth in customer ports and traffic, DE-CIX decided to replace the current core switches with new gear from San Jose based Foundry Networks. Two new MLX-32 switches have already been ordered and will provide protected 128 line rate 10GE ports for core switching. The expected RFS (ready-for-service) date is February 20th, 2009. The existing two Force10 Terascale E1200 switches will be moved from the core to the edge and will provide additional 10 GE edge capacity.

“The new switches are a vital part of our 100 Gigabit strategy – these new boxes will be sufficient until the end of 2009. We can then easily add additional core switches which could take us to 40 Terabits/sec

throughput. Long before we reach this point we will have 100G available” says DE-CIX founder and CTO/COO Arnold Nipper.

→ DE-CIX to support German Webhostingday 2009

The WebhostingDay, which first started in 2004 as a relatively small industry gathering, has grown over the last few years into what it is today: the largest web hosting event in Europe. More than 1,000 visitors registered to participate in the event in 2008.

The fifth WebhostingDay will take place from March 17 to 20, 2009 at Phantasialand in Bruehl near Cologne, Germany. As in the previous years, the top executives from the most important web hosting companies will be in attendance. Seize this opportunity to mingle with industry colleagues, to make new contacts, and to network.

DE-CIX operates a vital part of today’s Internet infrastructure and serves webhosting companies from all over Europe. DE-CIX is proud to be one of the sponsors of the upcoming WebhostingDay and is giving away 50 free tickets. Please contact carolin.geib@de-cix.net to obtain your promotional code for the online registration.

→ DE-CIX Roundtable Meetings in Hamburg

DE-CIX invites both customers and prospects to its upcoming roundtable meeting & dinner in Hamburg. The meetings is designed to talk about peering topics of regional interest and about the ISP requirements in the Hamburg market.

The Hamburg meeting will take place on February 12th. If you would like to attend please contact carolin.geib@de-cix.net or give us a call on +49 69 1730 902 - 0.

→ UPCOMING EVENTS:

If you would like to attend any of these events,
please register:

**DE-CIX Peering Roundtable & Dinner,
February 12, Hamburg**

APRICOT 2009, February 18-27, Manila
www.apricot.net

ICANN Meeting, March 1-6, Mexico
public.icann.org

**Webhosting Days, March 17-20,
Phantasialand/Brühl**
www.webhostingday.de

Google IPv6 Conference, March 19-20,
Mountain View
sites.google.com/site/ipv6implementors

IETF74, March 22-27, San Francisco
www.ietf.org

MENOG4, April 5-9, Manama/Bahrain
www.menog.net

Capacity Balkans, April 27-28, Bukarest
www.telcap.co.uk

RIPE58, May 4-8, Amsterdam
www.ripe.net

AFNOG2009, May 10-22, Cairo
www.afnog.org

**German IPv6 Conference, May 28-29,
Frankfurt**

**St. Petersburg Peering Forum,
May, St. Petersburg/Russia**

NANOG46, June 14-17, Philadelphia
www.nanog.org

Capacity CEE, June 29-30, Prague
www.telcap.co.uk

EPF4, September 14-15, Copenhagen

Check the listed websites for more information.
Listings in **red** are hosted or sponsored by DE-CIX.

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→ NEW DE-CIX PARTICIPANTS

**DE-CIX welcomes its most recent
customers:**

- Telekom Malaysia
- DNS:NET, Germany
- Global Access, Germany
- UARNet, Ukraine
- TRC FIORD, Russia
- Interactive Network, Germany
- Telia, Latvia
- TOP NET CJSC, Ukraine
- Abovenet, UK
- it & tel, Austria
- PLANinterNET, Germany

Soon to be connected:

- China Telecom, China
- Rostelecom, Russia
- QTEL Qatar Telecom, Qatar
- Starnet, Moldova
- Filoo, Germany
- ISC, USA
- VRNetze, Germany

Upgraded customers:

(since October 1st, 2008)

- Elion (AS3249)
- Kabel Baden-Wuerttemberg (AS29562)
- Cogent Communications (AS174)
- Neterra (AS34224)
- Eurotranstelecom (AS35320)
- Kabel Deutschland (AS31334)
- Limelight Networks (AS22822)
- BelWue (AS553)
- UARNet (AS3255)
- ROMTELECOM (AS9050)
- ITD Network (AS9070)
- NTT Communications (AS2914)
- Emirates Telecommunications (AS8966)
- Link11 (AS34309)
- PT Comunicacoes (AS8657)
- Unitymedia (AS20825)
- First Colo (AS44066)
- NetAssist (AS29632)