

→ **Welcome to the DE-CIX March Newsletter!**

Among other topics, this issue covers the upcoming German IPv6 Congress, DE-CIX's first Balkan Roundtable meeting and dinner, and the Saint Petersburg regional peering forum which will be held on April 21st.

→ **IPv6 Congress in Frankfurt hosted by heise Netze, iX, and DE-CIX.**

Ever since it was invented more than 15 years ago, IPv6 has been deemed the network of the future. It solves most of the problems of IPv4 – large ones such as NAT and address scarcity as well as small ones such as inefficient routing and complex administration. A few ideas coming from the IPv6 environment are so good that they have been ported back to IPv4, where they have long been some of the day-to-day instruments of the networker – IPsec for example. All significant operating systems support IPv6, and so does professional network hardware; IPv6 is being offered by access providers, carriers and hosters. After several years, however, IPv6 still has not gotten off the ground.

Even the EU and the national governments are trying hard to promote its diffusion - for once they are at the forefront of a desirable development instead of lagging behind it. Who is at fault? Are the administrators shying away from introducing a new technology because they have learnt to mistrust promises that it's „all quite simple and technically mature“? Do those in charge of the budget not want to spend any money



Johannes Endres,
editor-in-chief, heise Netze

in times of crisis as long as IPv4 can still hobble along on crutches like NAT? Do the service providers prefer to coyly conceal the IPv6 offers instead of marketing them offensively? Or are the users floating way above OSI level 3? Ultimately,



the IT department will have to be the one to resolve the impasse and choose the migration path which is right for its network.

The IPv6 congress hosted by heise Netze, iX, and DE-CIX offers a presentation program which is independent of individual manufacturers and includes firsthand reports relevant for practical purposes instead of marketing blurb or general declarations of intent. The tutorials to be held on the second day will be really getting down to the nitty-gritty. However, it is equally important to compare notes with others – regardless of whether they are at the beginning of the journey or have already reached certain milestones along the way. Besides technicians and managers, the providers of products and services are also available for discussion. In times of social networking, this is known as ‚networking the networkers‘.

Johannes Endres, Editor-in-chief of heise Netze,
(networking channel)

Visit <http://www.ipv6-kongress.de> for more information
(The event is being held in German only).

→ **First DE-CIX Balkans Roundtable Meeting & Dinner**

DE-CIX first introduced the roundtable format in Moscow in November 2008 and already organized one the day before the most recent PLNOG meeting in Warsaw. For the very first time DE-CIX invited customers and prospects from the Balkans region to a Peering Roundtable meeting and dinner in Sofia on Thursday, March 26th, 2009.

Around 30 guests gathered at the UNO restaurant in the heart of Sofia to discuss regional peering topics of



Guests at the DE-CIX Balkan Roundtable meeting and dinner

interest. Among the guests were representatives from major Bulgarian carriers such as BTC, Neterra, ITD, SpectrumNet and others, plus representatives from other incumbent operators in the Balkan area incl. Romtelecom, Telekom Serbia, and Turk Telekom.

The meeting started at 19:30 and the last guests left at around midnight. "The meeting was highly beneficial, and the dinner very pleasant," said Veljko Kos from Telekom Serbia.

"DE-CIX serves around 300 customers from 30 countries. Bringing them together and have them talk to us and to each other is essential for us" said DE-CIX's CEO Harald Summa. He was joined by DE-CIX co-founder and CTO Arnold Nipper, Ivo Ivanov (DE-CIX legal counsel), and Frank Orłowski who is heading DE-CIX Business Development and Marketing. The DE-CIX team spent two days in Sofia and also met various customers and prospects in one on one meetings.

→ Meet DE-CIX at Capacity Balkans 2009

DE-CIX will exhibit at the upcoming Capacity Balkans event that will take place on April 27-28, 2009 in Bucharest, Romania. DE-CIX staff will be around to explain and discuss peering issues and to present the advantages of peering at DE-CIX in Frankfurt in general.

The event will take place at the Radisson SAS Hotel and a meeting area will provide the opportunity to conduct meetings and build new partnerships. With over 350 attendees from carriers and service providers across the Balkans and internationally, Capacity Balkans 2009 is a good forum to meet and do business with the decision-makers.

If you would like to schedule a meeting, please contact us at sales@de-cix.net. If you are interested in getting a free ticket, please contact carolin.geib@de-cix.net to get the last free ticket available (first come, first serve, if you don't hear back from us the tickets are already gone)



For more information about Capacity Balkans 2009, visit the following website:

<http://www.telcap.co.uk/images/products/download-1049.pdf>

→ Open Source Development at DE-CIX: jsFlow

jsFlow is a software library for sFlow. sFlow is an industry standard technology for monitoring high speed networks on a gigabit scale. sFlow utilizes packet sampling to be able to support networks with unlimited throughput. Packet sampling works in such a way that only a subset of all packets that flow through a network are selected for examination. However, the packets are selected in such a way that statistically significant results can be obtained.

At DE-CIX, sFlow is used to present information about traffic flows to customers. Among other information, this includes AS to AS traffic and traffic per application

protocol. These examples just demonstrate the possibilities that come with sFlow.

jsFlow is a software library that is the basis for the sFlow analyses at DE-CIX. jsFlow is implemented by using the modern programming language Java. The name jsFlow is derived from Java and sFlow. The jsFlow software library is available under the well-known open-source license: GNU Public License Version 2. This means everybody is free to download the source code of the jsFlow library and to modify it.

„At DE-CIX we believe in open-source, we use a lot of open-source software, and hence we want to give something back to the community. We hope that the jsFlow library will be used in network monitoring applications, network accounting tools, and hopefully in many other ways we couldn't dream of. Everybody is invited to use and contribute to our work,“ says Thomas King, the project manager responsible for the implementation of the jsFlow software library as DE-CIX puts it.

The project website for the jsFlow software library can be reached by <http://jsflow.sourceforge.net>

→ Saint Petersburg Regional Peering Forum

MSK-IX (Moscow Internet Exchange) and DE-CIX have joined forces to bring peers together for a half day regional peering forum and a social event in Saint Petersburg / Russia.

Saint Petersburg is located on the Neva River at the head of the Gulf of Finland on the Baltic Sea. It is often called just Petersburg and often described as the most Western city of Russia. Among cities of the world with over one million people, Saint Petersburg is the northernmost. A large number of foreign consulates, international corporations, banks and other businesses are located in Saint Petersburg.

This regional event provides a chance for attendees to improve their peering know-how and to negotiate and



close peering deals. Peering experts will give peering introduction talks and presentation on peering tools and how tos followed by a social event. Simultaneous interpretation (Russian<->English) will be provided. This forum is mainly designed for peering newbies.

“We are looking forward to the event in Saint Petersburg. We are excited to jointly host this regional event together with MSK-IX and to educate ISPs in the region about peering”, says DE-CIX's Frank Orłowski.

The event will take place at the Karelia Hotel (<http://www.karelia.spb.ru/english/>). In case you are an existing MSK-IX or SPB-IX customer, please check the MSK-IX website to register.

This is a customer only event. Customers of the host organizations MSK-IX and DE-CIX may register starting April 4th using the MSK-IX website (<http://www.msk-ix.ru>)

→ WebhostingDay 2009

For the very first time DE-CIX participated in the WebhostingDay event. The fifth WebhostingDay took place from March 18-20, 2009, at Phantasialand in Bruehl near Cologne, Germany. As in the previous years, top executives from the most important web hosting companies and many ISPs attended to share thoughts and industry insights true to the Webhosting Day's motto: Get connected!



→ Save the Date:
cnX3



cnX3 will be an event you don't want to miss. Senior executives from carriers, ISPs and operators will meet, showcase their latest products and services, do business and close deals. cnX3 will take place in Frankfurt on October 26-27, 2009. Mark the date in your calendar.

"The WebhostingDay was a great combination of conference content, business networking and social events. I'm relatively new to the industry and getting in touch with our customers and other market participants is a good experience", said DE-CIX's Fernando Lopez who is part of DE-CIX business development team.

If you are interested in cnX3 sponsorship opportunities, please contact us at info@cnx-frankfurt.com. Sponsorship packages incl. space for an exhibition booth start at EUR 5000.

For information about past cnX events please visit <http://www.cnx-frankfurt.com>

ASK DR. PEERING



Brought to you by www.drpeering.net and DE-CIX. Any question: send an email to askdrpeering@de-cix.net

Q Dear Dr. Peering,

Why should I care about Transit Price?
What should I keep in mind if I go out and build my network ?

John

→ Click here to read the full article:
http://www.drpeering.net/a/Peering_vs_Transit.html

A Thank you for your question John. The price of Internet Transit is relevant to the Peering Community since the alternative to peering is to simply send traffic to an upstream transit provider. So when doing the financial analysis of peering versus simply sending the traffic to an upstream ISP, Peering Coordinators do a side-by-side comparison between the two.

Ask Dr. Peering is brought to you by drpeering.net and DE-CIX, the exclusive IX sponsor of the Dr. Peering Internet peering knowledge center. If you have a peering

related question, email to askdrpeering@de-cix.net and your question might be answered in next month's release.

→ UPCOMING EVENTS:

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

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

Saint Petersburg Regional Peering Forum, April 21

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

UKNOF13, May 28, Sheffield/UK,
www.uknof.org

German IPv6 Conference,
May 28-29, Frankfurt
www.ipv6-kongress.de

USENIX 2009, June 14-19, San Diego,
www.usenix.org

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

Telx CBX, June 25, New York,
www.telx.com

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

SANOG14, July 15-23, Chennai,
www.sanog.org

IETF 75, July 26-31, Stockholm,
www.ietf.org

APNIC 28, August 24-28, Beijing,
www.apnic.net

EPF4, September 14-15, Copenhagen,
www.peering-forum.eu

Capacity Russia, October 5-6, Moscow,
www.telcap.co.uk

cnX3, October 26-27, Frankfurt,
www.cnx-frankfurt.com

RIPE59, October 5-9, Lisbon,
www.ripe.net

NANOG47, October 18-20, Dearborn,
MI, USA,
www.nanog.org

Check the listed websites for more information.

Listings in red are hosted or sponsored by DE-CIX.

→ NEW DE-CIX PARTICIPANTS

DE-CIX welcomes its most recent customers:

- nLayer, USA
- Edgecast, USA
- Prime Line, Russia

Soon to be connected:

- Starnet, Moldova
- VRNetze, Germany
- Filoo, Germany
- UPL/Interfiber, Czech Republic

Upgraded customers:

(since February 1st, 2009)

- domainfactory GmbH (AS34011)
- root eSolutions (AS44042)
- Evolva Telecom (AS30890)
- Spectrum Net (AS8717)
- LeaseWeb BV (AS16265)
- TEO (AS8764)
- IT Systems Internet (AS13249)
- Telekom Austria (AS8447)
- HanseNet (AS13184)
- Multimedia Polska S.A (AS21021)
- First Colo (AS44066)
- Init Seven (AS13030)
- Artfiles New Media (AS8893)
- Globalways (AS6666)
- Turk Telekom (AS9121)
- Kabel Baden-Wuerttemberg (AS29562)

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