X-pand into the Future

eurex circular 086/11

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Recipients: All Trading Members of Eurex Deutschland and Eurex Zürich and Vendors
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Enhanced Transaction Solution: Upgrade of Gateway Infrastructure

Related Eurex Circulars: 143/09, 053/10, 094/10

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Content may be most important for:	**Attachments:**
➲ All departments	none

Summary:

In order to provide latency-sensitive applications with the fastest possible connection to the Eurex® trading system and to further reduce network latency for Enhanced Transaction Solution connections, Eurex will introduce new Enhanced Transaction Solution gateway hardware for proximity clients.

The new state-of-the-art hardware will be based in the Equinix data centre in Frankfurt and will significantly improve gateway processing times of Enhanced Transaction Solution transactions for proximity users thereby reducing overall latencies.

Provision of the new optimized infrastructure will be made available at no further cost.

The availability of the new infrastructure in the production environment is scheduled for Monday **June 20, 2011**.

Whilst the change will be transparent to customers trading out of the Colt Proximity data center or out of remote locations, customers trading out of the Equinix data center will have to connect their Enhanced Transaction Solution sessions to these new gateways.

The new gateways will reside in a new subnet with IP address range (90.18.253.0/24). Customers using the Enhanced Transaction Solution out of the Equinix data center are required to amend their routing tables accordingly by adding the new subnet (90.18.253.0/24).

For assignment of the new individual gateway IP addresses to Enhanced Transaction Solution sessions Eurex will make use of the feature “Automatic Notification of Session ID to gateway Assignments” announced with Eurex circular 053/10 and introduced with Eurex Release 13.0 in November 2010.

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Enhanced Transaction Solution: Upgrade of Gateway Infrastructure

New gateway hardware in Equinix: Introduction Plan

Step one

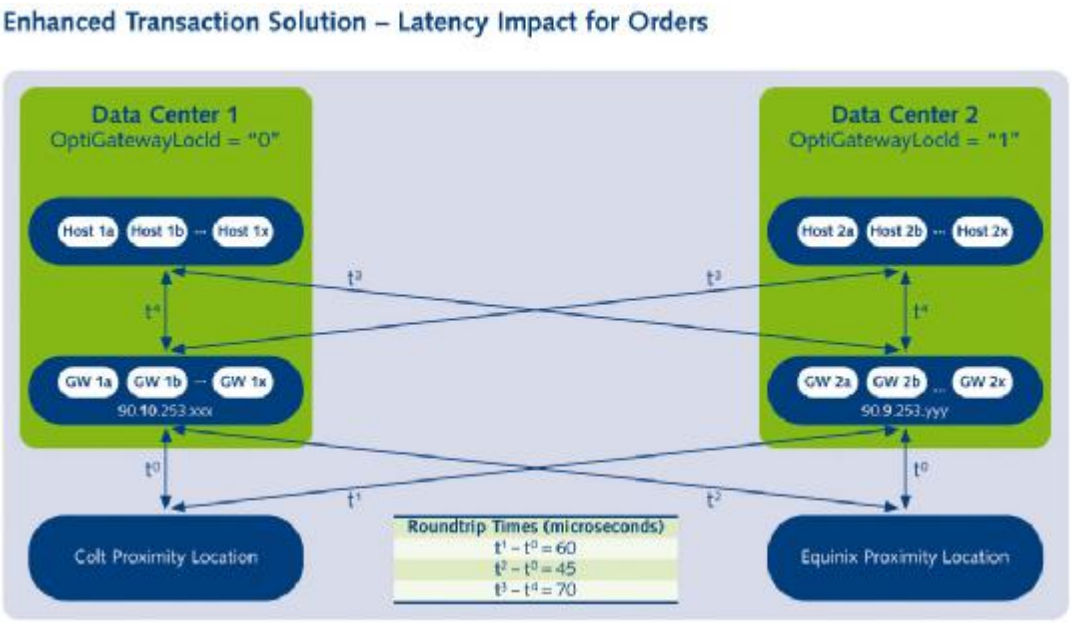
In the first step, Eurex will upgrade and move half of the gateways, namely those with a subnet 90.9.253.0/24, which are used by proximity Members to the Equinix data centre, over the weekend beginning June 4, 2011. This first half will replace the existing gateways re-using existing subnets and gateway IP addresses. Customers trading out of the Equinix and Colt Proximity data centres will both benefit equally and without any changes being necessary on customer side after this initial step.

Step two

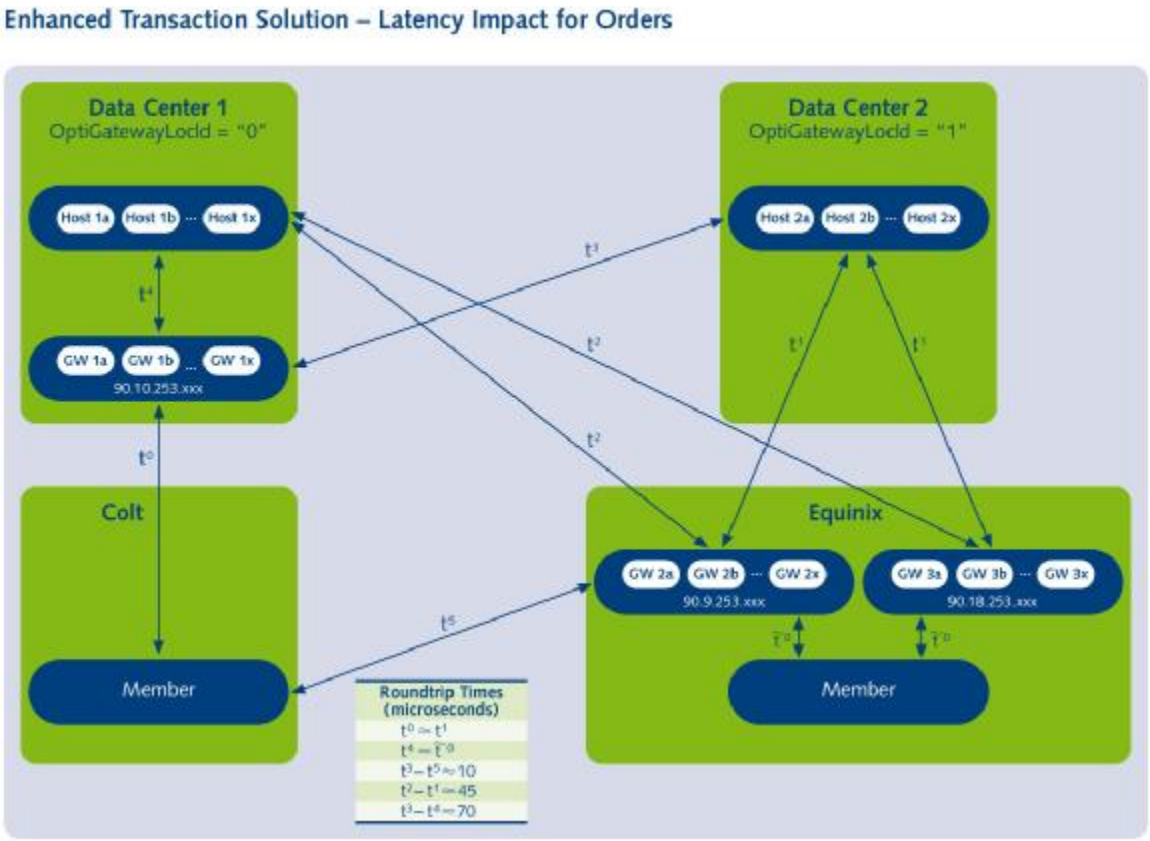
In the second step, Eurex will introduce a new group of gateways in Equinix over the weekend of June 18, 2011. For Members located in Equinix, these gateways will replace the existing gateways with subnet 90.10.253.0/24. As this group of new gateways resides in a completely new subnet 90.18.253.0/24, all customers trading out of Equinix data centre are required to amend their routing tables to be able to reach this subnet. Each Enhanced Transaction Solution session trading out of the Equinix data centre will be assigned additionally to these new gateways. Please note that customers located in Colt will continue to be able to use the old 90.10.253.0/24 gateway for the time being.

To provide customers with the ability to verify their technical connectivity following the changes and to facilitate a smooth migration to the new gateway infrastructure prior to the start of production on Monday, June 20, 2011, a connection test will be provided. The connection test is scheduled for June 18, 2011 between 17:00 CEST and 18:30 CEST. During this time Eurex Customer Technical Support staff will be available. The connection test will not be mandatory, however Members using the new gateway infrastructure are strongly recommended to participate. The new gateway infrastructure will also be available after the official connection test. However, no support will be provided.

Enhanced Transaction Solution: up to June 4, 2011



Enhanced Transaction Solution: from June 18, 2011 onwards



For further information on the Eurex® trading system, please refer to the document “Eurex Exchange's Trading System” available under the following link:

http://www.eurexchange.com/documents/publications

If you have any questions or require further information regarding this circular, please contact your Technical Account Manager using your VIP number, the Eurex Customer Technical Support at tel. +49-69-211-1 12 00 or via e-mail: cts@deutsche-boerse.com.

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