X-pand into the Future

e u r e x *circular 009/13*

Date: 14 January 2013
Recipients: All Trading Participants of Eurex Deutschland and Eurex Zürich, all Clearing Members of Eurex Clearing AG and Vendors
Authorized by: Jürg Spillmann

Action required

Eurex FIX Gateway: Optimised failover mechanism

Contact: Technical Account Manager via VIP number or Eurex Customer Technical Support, T +49-69-211-1 12 00, cts@deutsche-boerse.com

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

Summary:

Eurex has optimised the failover mechanism for the Eurex FIX Gateway. Activation of the optimised Eurex FIX Gateway software is scheduled for **16 January 2013** in simulation and **28 January 2013** in production.

Description of the new failover mechanism:
A FIX session may be initiated by the participant via all available connections. Both participant ports on the primary and the secondary FIX Gateway are open simultaneously. Each FIX session may only be logged in once via one of the connections. Per default only the primary FIX Gateway is connected to the market back-end.

Further details of the FIX Gateway Failover Mechanism are contained in the updated documentation “Eurex FIX Gateway - FIX 4.2 Manual” or “Eurex FIX Gateway - FIX 4.4 Manual”, chapter 4.3, which can be downloaded from the Eurex website www.eurexchange.com under the following path:

Technology > New trading architecture > System Documentation > Trading Interfaces > Eurex FIX Gateway

Participants are asked to test a **Network Failover** on their side at any point in time in simulation starting 16 January 2013.

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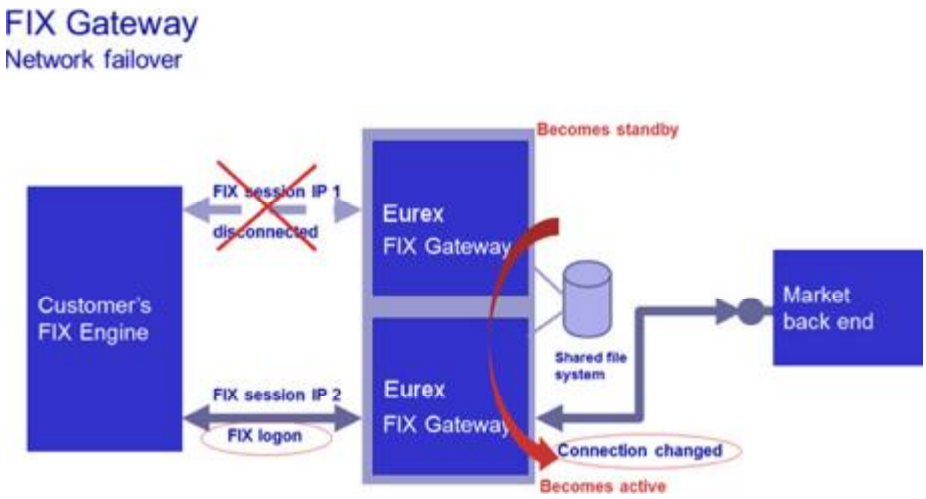
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Eurex FIX Gateway: Optimised failover mechanism

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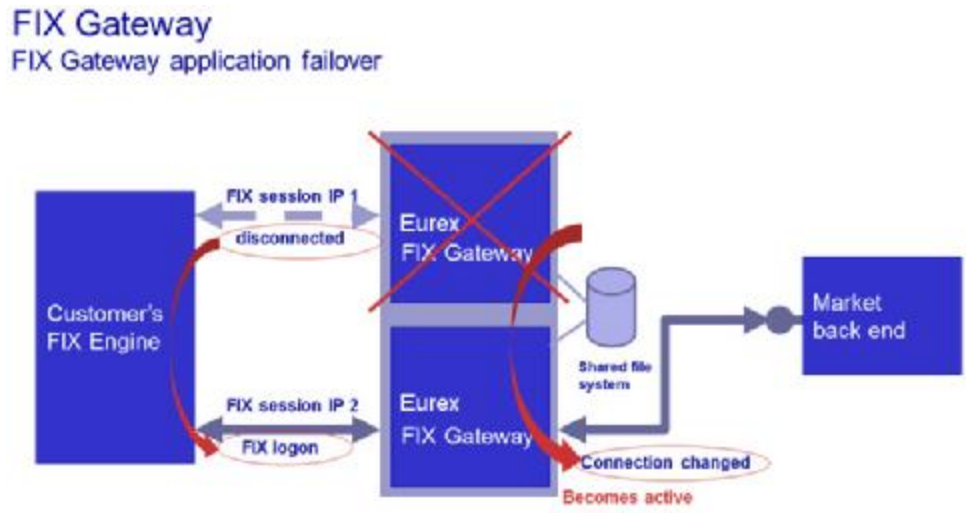
Description of the new failover mechanism:
A FIX session may be initiated by the participant via all available connections. Both participant ports on the primary and on the secondary FIX Gateway are open simultaneously. Each FIX session may only be logged in once via one of the connections. Per default only the primary FIX Gateway is connected to the market back end.

Participants are asked to test a **Network Failover** on their side at any point in time in simulation starting from 16 January 2013.



A network failover may be tested by stopping the connection to the primary gateway and activating the connection to the secondary gateway. The first FIX session logon to the secondary FIX Gateway may take some seconds therefore if a connection or a session logon fails or is not responded to immediately, a second attempt should only be made after a few seconds (30 seconds recommended). After a successful FIX logon to the secondary FIX Gateway, the port of the primary FIX Gateway connection will remain open but any further logon attempts to the primary FIX Gateway connection will lead to a disconnection of this session.

In case of a FIX Gateway **Application Failover**, all FIX sessions connected to this gateway will be disconnected and the corresponding port will be closed.



Participants should then activate the connection to the secondary gateway. The first FIX session logon to the secondary FIX Gateway may take some seconds, so if a connection or a session logon fails or is not responded to immediately, a second attempt should only be made after a few seconds (30 seconds recommended).

Further details of the FIX Gateway Failover Mechanism are contained in the updated documentation “Eurex FIX Gateway - FIX 4.2 Manual” or “Eurex FIX Gateway - FIX 4.4 Manual”, chapter 4.3, which can be downloaded from the Eurex website www.eurexchange.com under the following path:

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If you have any questions or require further information, please contact your Technical Account Manager using your VIP number or via e-mail: cts@deutsche-boerse.com.

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