

IT 62/12

IT - Genium INET

Introduction of new Premium and Premium Plus users, and higher number of transactions per second for existing users

This IT Notice is aimed at all users of the Genium INET platform for Derivatives, Fixed Income and Commodities

As of 17 September 2012, NASDAQ OMX will make changes related to the maximum number of transactions per second (tps) per user session in Genium INET.

The changes will be available in external test systems from 3 September and will apply for Derivatives, Fixed Income and Commodities user sessions.

Changed tps rate for all current user sessions (Derivatives, Fixed Income and Commodities):

The tps rate for current OMnet user sessions will be increased to 30 transactions per second, and the order delete transactions MO4 and MO388 will be classified into group C1, the same group as order transactions, allowing the trading participant to send as many order delete transactions per second and user as order transactions.

The changes for current OMnet users ("Standard users") are shown in the table:

Current tps rate OMnet users	New tps rate OMnet users
Max 28 transactions/s of which:	Max 30 transactions/s of which:
Max 20 orders or replace or quotes (MO96)	Max 30 orders or order delete (MO4, MO388) or replace or quotes (MO96)
Max 8 order delete (MO4, MO388) or queries or quotes (MO36, MO37)	Max 8 queries or quotes (MO36/MO37)

OMnet users will after the change have a tps rate equivalent to that of FIX ports, which will have an unchanged tps rate.

As of the above mentioned date, NASDAQ OMX will apply these changes to all current users. Members do not have to actively instruct NASDAQ OMX to make the changes.

The monthly fee for Standard Production Access (ten standard OMnet users) and Standard FIX ports for Derivatives and Fixed Income members will remain unchanged.

Premium users and Premium FIX ports (for Derivatives and Fixed Income)

As of the above mentioned date, Premium users and Premium FIX ports with 60 tps will be

available in Genium INET for Fixed Income members and Derivatives members. The tps rate for Premium users and Premium FIX ports is shown in the table:

Transactions per second - Premium OMnet users and Premium FIX ports
Max 60 transactions/s of which:
Max 60 orders or order delete (MO4, MO388) or replace or quotes (MO96)
Max 8 queries or quotes (MO36/MO37)

A monthly fee will be charged for Premium users and Premium FIX ports. For information on the price list and how to order Premium users or Premium FIX ports, see below.

Premium Plus production users and ports on dedicated gateways (for Derivatives and Fixed Income)

As of the above mentioned date, Premium Plus users and ports on dedicated gateways will be available for both OMnet and FIX in Genium INET for Fixed Income members and Derivatives members.

For OMnet customers, users can be configured to Premium Plus users with a tps rate of 1000 transactions per second. Premium Plus users will only be allowed on the customer's dedicated gateway, not on shared gateways, and will be limited to a maximum of 25 users per port on the gateway (2 ports per gateway).

For FIX customers, ports can be configured to Premium Plus FIX ports with a tps rate of 1000 transactions per second.

The tps rate for Premium Plus users and Premium Plus FIX ports is shown in the table:

Transactions per second - Premium Plus users and ports
Max 1000 transactions/s of which:
Max 1000 orders or order delete (MO4, MO388) or replace or quotes (MO96)
Max 8 queries or quotes (MO36/MO37)

Dedicated gateway customers are currently guaranteed a possible throughput of 1500 transactions (single) per second on each port on the OMnet dedicated gateway, and for optimal performances it is recommended that one port is dedicated to inbound traffic (orders and quotes) and one port for the outbound traffic (market data). The guaranteed tps rate on a FIX dedicated gateway is 1500 per gateway.

A monthly fee will be charged for Premium Plus on dedicated gateways. For information on the price list and how to order Premium Plus production users or ports, see below.

How to order new users or an upgrade of current users

To order new Premium and Premium Plus users or FIX ports, or to order an upgrade of current users, members are welcome to use the Request for Access form found on the link below, and send it to Member Services memberservices@nasdaqomx.com.

Request for access form on Member Extranet:

http://nordic.nasdaqomxtrader.com/memberextranet/genium_inet/authorizationanduserids/

Members interested in more information regarding dedicated gateways are welcome to contact NASDAQ OMX representatives listed below.

Price list

The monthly fee applicable to Derivatives and Fixed Income members for Standard Production Access, which is based on the member's number of Standard users, and Standard FIX ports, will remain unchanged.

Members ordering Premium users will be charged a monthly fee for Premium Production Access, where each Premium Production Access equals up to ten Premium users. Premium FIX ports will be charged separately from Standard FIX ports, and will be charged for in blocks of ten ports.

Members ordering Premium Plus users or Premium Plus FIX ports on a dedicated gateway will be charged a monthly fixed fee for the Premium Plus users or ports.

A detailed price list can be found on the Member Extranet on the following link:

<http://nordic.nasdaqomxtrader.com/memberextranet/pricelists/>

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