

# Elasticia Access and Technical Services

Price List, January 2, 2018

## Products and Services

The Elasticia Technical Services offered by NGM are:

- Connectivity, network
- Trading Access
- Market Data Access
- Back Office Access
- HTTP Market Data API Access
- Proximity
- Special services

## General Pricing Information

All prices listed in this document are in SEK, excluding VAT.

## Connectivity, network

Please refer to the document *Network Connectivity in Elasticia* for information on bandwidth requirements and the different network connectivity options. Please note that for “Dedicated network” you must consult your network provider(s) for the cost and for ”Cross-connect in data center” you must consult the colocation provider(s) for the cost. The costs for “Dedicated network” and “Cross-connect in data center” given below are the costs that NGM will charge, separately from the network provider and the colocation provider.

PRODUCTION NETWORK			
Network	Installation	Monthly, active	Monthly, inactive/cold backup
Plain Internet <sup>1</sup> Primary/Secondary Up to 15 mbps	3500	2200	600
Internet/VPN Primary/Secondary Up to 15 mbps	6000	3000	1000
Dedicated network Any bandwidth	6000	1000	1000
Cross-connect in data center	20000 <sup>2</sup>	4000	N/A

TEST NETWORK		
Network	Installation	Monthly
Plain Internet	3500	1600
Internet/VPN	6000	2300
Dedicated network	6000	700
Cross-connect in data center	0	3000

<sup>1</sup> In the production environment, plain internet is only available for Elasticia Trading Client accounts.

<sup>2</sup> Installation fee covers test network installation as well.

## Trading Access

Access to trading in Elasticia is available through:

- Trade Account, protocol access
- Quote Account, protocol access
- Extra Private and Public Service accesses
- Elasticia Trading Client

### Trade/Quote Account, protocol access

For communication with the Elasticia Trading System, the Elasticia FIX Protocol is used. Participants can develop their own access to Elasticia, or they can utilize products from independent software providers. All systems that are to access the Elasticia Trading System must first have been tested for conformity and approved by NGM.

Full market data is included for Trade and Quote accounts.

Trading Accounts are differentiated depending on the client type. Client types:

- Trading clients – Trade Account
- Market Makers – Quote Account

### Trade Account

PRODUCTION		
Account	Installation	Monthly
Trade Account <sup>3</sup>	11500	
<= 100 ops		5000
per additional 100 ops		+2500
Trade Protocol Account Inactive Backup	11200	1200
TEST		
Account	Installation	Monthly
Trade Account	1000	1200

<sup>3</sup> Trading Account – The account consist of one Private Service plus one Public Service (Market Data) access.

**Quote Account**

<b>PRODUCTION</b>		
<b>Account</b>	<b>Installation</b>	<b>Monthly</b>
Quote Account <sup>4</sup>	14000	
<= 50 qps		6000
<= 250 qps		8100
<= 500 qps		10800
per additional 500 qps		+3600
Quote Account Inactive Backup	12000	1200
<b>TEST</b>		
<b>Account</b>	<b>Installation</b>	<b>Monthly</b>
Quote Account	1000	1200

---

<sup>4</sup> Quote Account - Account for Market Makers with the possibility to use the Quote Validation Functionality. The account consist of one Private Service plus one Public Service access.

### Elasticia Trading Client

The Elasticia Trading Client is product developed by NGM in order to facilitate for easy and cheap access for participants with a limited amount of trading in the market. The trading client offers basic trading functionality.

PRODUCTION		
Account	Installation	Monthly
Trading Client Active	3000	2000
Trading Client Inactive (Backup)	3000	500
Trading Client Viewer	3000	1000
TEST		
Account	Installation	Monthly
Trading Client	1000	200

### Elasticia Trading Client Order Management (TCOMS)

TCOMS is the Elasticia Trading Client with additional features to enable automatic quoting and order management.

PRODUCTION		
Account	Installation	Monthly
TCOMS Active	3000	7500
TCOMS Inactive (Backup)	3000	500
TCOMS Viewer	3000	1000
TEST		
Account	Installation	Monthly
TCOMS	1000	200

## Market Data Access

Market Data is the public data provided by the Elastica Trading System. This includes orders for all levels of the orderbooks as well as instrument data and corporate actions. The same data that is provided to the Market Data account is included in the Trading and Quoting accounts.

PRODUCTION		
Account	Installation	Monthly
Market Data <sup>5</sup> Active	12000	4000
Market Data <sup>4</sup> Inactive Backup	12000	1000
TEST		
Account	Installation	Monthly
Market Feed	1000	1200

## Back Office Data Access

A Back Office Data provider connects to the trader groups of its customers. Included in the Back Office Data are the trader groups' private orders and trades. If public data is needed, please see **Market Data Access** for pricing of market data.

PRODUCTION		
Account	Installation	Monthly
Back Office Data	12000	1500
Back Office Data Inactive Backup	12000	1000
TEST		
Account	Installation	Monthly
Back Office Data	1000	1200

<sup>5</sup> The Market Data account consists of one Public Service access.

## HTTP Market Data API Access

HTTP Market Data API is a HTTP interface for fetching of data from Elasticia:

- Instrument detail data
- Level 1 market data
- Closing prices
- Trades
- Customized data provisioning

Support for special (not standard) formats of the data provisioned is evaluated on request. Development of custom service is evaluated upon request.

<b>PRODUCTION</b>		
<b>Account</b>	<b>Installation</b>	<b>Monthly</b>
Per Standard Service	3500	3500
Ticker Service for Listed Companies*	1000	1000
Custom Service	Evaluated upon request	Evaluated upon request
<b>TEST</b>		
<b>Account</b>	<b>Installation</b>	<b>Monthly</b>
Per Standard Service	1000	1200
Custom Service	Evaluated upon request	Evaluated upon request

\*The ticker service is limited to the listed company's own securities and has a maximum polling rate of 5 updates per minute.



## Proximity Hosting

NGM offers the possibility to host equipment in the same collocations as NGM. Clients can contact the collocation providers themselves and arrange for proximity or NGM can host client equipment, including basic maintenance (power cycling of equipment) and connectivity to NGM market servers. Contact NGM Support if you are interested in this option.

## Special Services

NGM can help clients with special requests, such as setting up special solutions for provisioning of data. You are welcome to contact us with your requests, and we will see if we are able to provide you with a solution.

## Off hours support rates

Basic support during the NGM market opening hours is included in the rates specified for the different services above. NGM can also assist customers outside of business hours, including weekends, but then an hourly fee is charged. Off hours support should always be booked in advance with the NGM Support.

Service	Rate
Support service, off hours	2000 SEK /commenced hour

Unless the service commence immediately after normal support hours, the minimum charge for off hours support is 2 hours/3800 SEK.

## Contact Information

NGM Support  
+46 (0)8 566 390 60  
[support@ngm.se](mailto:support@ngm.se)