

Price List, January 1, 2021

Elasticia Access and Technical Services

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 Information on the Fees

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

	Installation	Monthly, active	Monthly, inactive/cold backup
Plain Internet¹ Primary/Secondary Up to 15 mbps	4,000	2,500	750
Internet/VPN Primary/Secondary Up to 15 mbps	8,000	3,700	1,300
Dedicated network Any bandwidth	6,700	1,250	1,250
Cross-connect in data center	23,000 ²	4,700	N/A

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

² Installation fee covers test network installation as well.

TEST NETWORK

	Installation	Monthly
Plain Internet	3,800	1,700
Internet/VPN	7,500	2,600
Dedicated network	6,700	850
Cross-connect in data center	0 ³	3,100

³ Included in installation fee for production

Trading Access

Access to trading in Elastica is available through:

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

Trade/Quote Account, protocol access

For communication with the Elastica Trading System, the Elastica FIX Protocol is used. Participants can develop their own access to Elastica, or they can utilize products from independent software providers. All systems that are to access the Elastica 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

	Installation	Monthly
Trade Account⁴	12,900	
<= 100 ops		6,200
per additional 100 ops		+3,000
Trade Account	12,900	
Inactive Backup		1,350

TRADE ACCOUNT, TEST

	Installation	Monthly
Trade Account	1,100	1,350

⁴ Trading Account – The account consist of one Private Service plus one Public Service (Market Data) access.

QUOTE ACCOUNT, PRODUCTION

	Installation	Monthly
Quote Account⁵	15,500	
<= 50 qps		7,000
<= 250 qps		9,300
<= 500 qps		12,400
per additional 500 qps		+4,150
Quote Account	15,500	1,350
Inactive Backup		

QUOTE ACCOUNT, TEST

	Installation	Monthly
Quote Account	1,100	1,350

⁵ 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.

ELASTICIA TRADING CLIENT, PRODUCTION

	Installation	Monthly
Trading Client Active	3,400	2,000
Trading Client Inactive (Backup)	3,200	500
Trading Client Viewer	3,200	1,000

ELASTICIA TRADING CLIENT, TEST

	Installation	Monthly
Trading Client	1,100	200

Elasticia Trading Client Order Management (TCOMS)

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

TCOMS ACCOUNT, PRODUCTION

	Installation	Monthly
TCOMS Active	5,500	7,700
TCOMS Inactive (Backup)	5,500	500
TCOMS Viewer	5,500	1,000

TCOMS ACCOUNT, TEST

	Installation	Monthly
TCOMS	1,100	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.

MARKET DATA ACCOUNTS, PRODUCTION

	Installation	Monthly
Market Data⁶ Active	12,900	4,700
Market Data⁴ Inactive Backup	12,900	1,150

MARKET DATA ACCOUNTS, TEST

	Installation	Monthly
Market Data	1,100	1,350

⁶ The Market Data account consists of one Public Service access.

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.

BACK OFFICE DATA ACCOUNT, PRODUCTION

	Installation	Monthly
Back Office Data	12,900	1,900
Back Office Data Inactive Backup	12,900	1,150

BACK OFFICE DATA ACCOUNT, TEST

	Installation	Monthly
Back Office Data	1,100	1,350

HTTP Market Data API Access (MDAPI)

MDAPI 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.

MDAPI, PRODUCTION

	Installation	Monthly
Per Standard Service	3,800	3,800
Ticker Service for Listed Companies⁷	1,100	1,100
Custom Service	Evaluated upon request	Evaluated upon request

MDAPI, TEST

	Installation	Monthly
Per Standard Service	1,100	1,350
Custom Service	Evaluated upon request	Evaluated upon request

⁷ 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	2,600 SEK /commenced hour

Unless the service commences immediately after normal support hours, the minimum charge for off hours support is 2 hours (5,200 SEK).

Contact Information

NGM Support

+46 (0)8 566 390 60

support@ngm.se