

Nordic Growth Market

Boerse Stuttgart Group

Release Plan – BX Swiss

Elasticia upgrade 6-9 October, 2023



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RELEASE PLAN

System version upgrade for BX Swiss

A new version of the Elasticia trading system will be rolled out for BX Swiss. The roll out will take place during the weekend 6-9 October, 2023. The first trading day in the new version will be Monday 9 October, 2023.

The intended audience for the information presented here is:

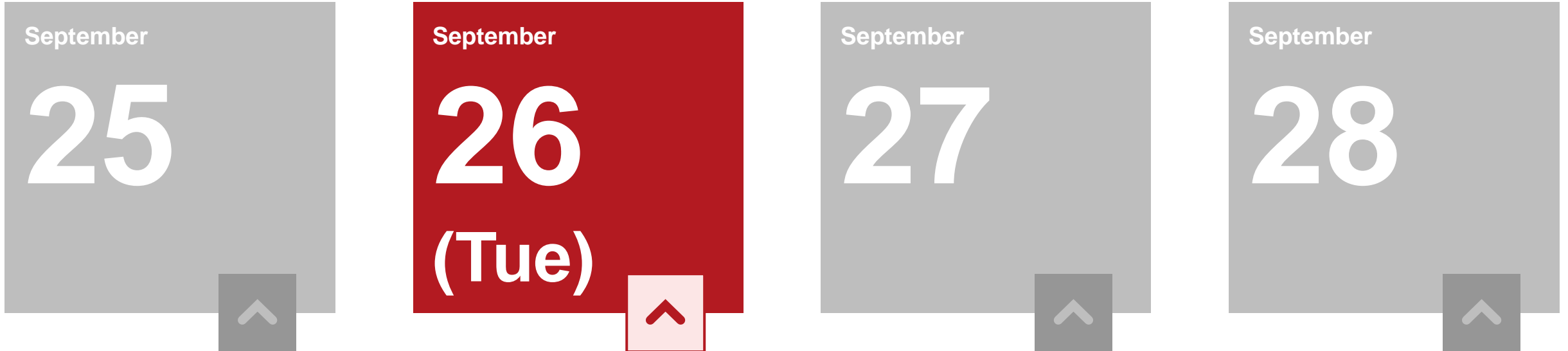
- Elasticia integrators
- BX members
- Market Data Vendors

IMPORTANT: This information relates to the BX Swiss system release roll out only. Integrators connecting to Elasticia for NGM and Spotlight Stock Market are referred to separate documentation.

 **Note! This is a mandatory update - the protocols and schemas are updated.**

Actions required prior to release weekend

RELEASE PLAN



DEADLINE

Last day to send the following information to support@ngm.se

- Contact details for the release weekend (all participants)
- Confirmation on successful integration testing (integrators)


Release weekend overview

RELEASE PLAN

October

6

(Fri)



Markets close

After market closing the normal instrument updates will take place, and then the exchange will be shut down.

October

7

(Sat)



Upgrade

Participants upgrade their systems and confirms to support@ngm.se the status of their upgrade no later than CET 14:30.

October

8

(Sun)



Decision

Reserved for roll back.

October

9

(Mon)



Go Live

First day of trading in the upgraded system.

Major changes

ELASTICIA UPGRADE 6-9 OCTOBER, 2023

Description

Automatic Site Failover

Improved site failover, and repeatable order, quote and trade operations.

- Site failover without manual intervention
- Repeatable (idempotent) order, quote and trade operations as a faster alternative to full snapshot recovery in site failover.

Support for FIX Classic

FIX Classic (tag-value) is available as message encoding, in addition to FIX FAST.

- Same FIX protocol and messages, only different encoding
- Note: bandwidth requirements will be higher for FIX Classic compared to FIX FAST

Quote On Demand

New functionality: Quote on Demand

- Order-initiated private automatic auction outside central limit order book (CLOB), with optional order book sweep.
- Quote request sent to market makers

System setup changes

ELASTICIA UPGRADE 6-9 OCTOBER, 2023

Description

New FIX account model

Summary of changes:

- All "PUB-..." users are deprecated, in their stead "XYZ-..." (membercode, trader group number, account number) are used.
- Sendercompid is always the trader group, i.e. "XYZ-...".
- Targetcompid is always the "channel" name.
- All channels use the same IP address.
- Two IP addresses are provided, these are active/active nodes on different geographic sites. See below for Disaster Recovery.

New FIX Session configuration

Old Credentials (e.g. for org XYZ, group 2, userid 122456)

Username	SenderCompId	TargetCompId	IP-address	Port	Notes
XYZ-2-122456	XYZ-2	NGM	IP-1	20200	Trading
PUB-1-122456	PUB-1	NGM	IP-1	20300	Market data
PUB-2-122456	PUB-2	NGM	IP-1	20301	Market data

New Credentials (e.g. for org XYZ, group 2, userid 122456)

Username	SenderCompId	TargetCompId	IP-address	Port	Notes
XYZ-2-122456	XYZ-2	BX	IP-A	20200	Trading
XYZ-2-122456	XYZ-2	MD-1	IP-A	20300	Market data
XYZ-2-122456	XYZ-2	MD-2	IP-A	20300	Market data

New Disaster Recovery and Failover procedure

Summary of changes:

- The legacy exchange-side failover procedures are deprecated in favour of an active/active topology.
- Clients may connect to either site according to preference.
- Clients must maintain configuration (i.e. IP addresses) to address either site and be able to switch between them.

Testing required prior to launch

ELASTICIA UPGRADE 6-9 OCTOBER, 2023

System version upgrade

Integrators must confirm successful testing of their systems to support@ngm.se no later than Tuesday, September 26, 2023.

All production participants must test and verify their systems provided by their integrators prior to launch.

Information on the available test systems, including information on scheduled events taking place in the test systems is described here:

<https://www.ngm.se/en/the-exchange/technical-documentation/bx-swiss-elasticia-2-0-test-system>



> Note! This is a mandatory update - the protocols and schemas are updated.

Actions required prior to launch

ELASTICIA UPGRADE 6-9 OCTOBER, 2023

List of mandatory confirmations prior to the release weekend

The requested information should be sent to support@ngm.se.

- **Production participants**

- 26 September (Tue) – Send contact information for the upgrade weekend.

- **Integrators (directly integrating with Elastica)**

- 26 September (Tue) – Send confirmation on successful testing.
- 26 September (Tue) – Send contact information for the upgrade weekend.



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Release weekend

ELASTICIA UPGRADE 6-9 OCTOBER, 2023

Communication channel

The communication from NGM on the progress and the actions of the release weekend will be through the Elasticia Participants mail-list (aka "ngm-dev", a Google forum maillist). For BX Swiss clients that do not integrate directly with Elasticia, BX Swiss will be the source of information.

For registration on the Elasticia Participants list, please email support@ngm.se or go to <https://groups.google.com/group/ngm-dev> and request access.

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Release weekend – Schedule

ELASTICIA UPGRADE 6-9 OCTOBER, 2023

Date	Procedure	BX Swiss
Friday 6 October	Normal daily instrument update in Elastica	CET 18:15-18:20
	Market surveillance remove all orders from the order books	CET ~18:20
	Access to Elastica is closed down	CET ~18:25
	NGM announce go ahead for confidence testing	Late
Saturday 7 October	Confidence testing by participants	Until CET 14:30
	Clients confirm their upgrade to support@ngm.se no later than CET 14:30	CET 14:30
	“Go” / “No go” announcement by NGM	CET ~16:00
Sunday 8 October	Reserved for roll back	TBD if needed

Release weekend

ELASTICIA UPGRADE 6-9 OCTOBER, 2023

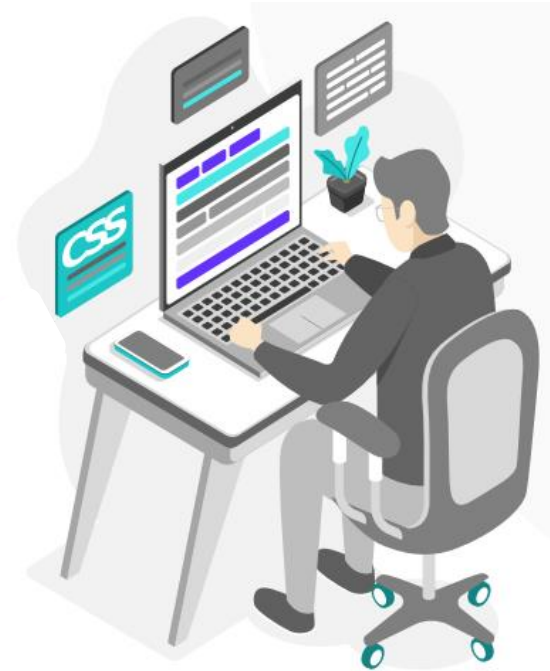
Confidence testing and confirmation Saturday 7 October

Clients should test at least the following after the systems have been upgraded:

- Connectivity test – verify that you can login.
- Market information – verify that you can snapshot market information.
- Instrument information – verify that you can snapshot the instrument information.

Clients shall confirm their upgrade to support@ngm.se no later than CET 14:30. The e-mail shall include the following information:

- Member name and contact information.
- Connectivity test successful (Yes/No)
- Status on upgrade (Ready/Problem description)



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NGM Support

ELASTICIA UPGRADE 6-9 OCTOBER, 2023

NGM Support availability during the release weekend (normal hours are CET 08:00 – 20:30)

Friday: Telephone and E-mail: CET 08:00 – 21:00

Saturday: Telephone and E-mail: CET 09:00 – 16:00

Sunday: Only in case of roll back! Telephone and E-mail: CET 10:00 – 16:00

Monday: Telephone and E-mail: CET 07:00 – 20:30

Contact information

Telephone: +46 8 566 390 60

E-mail: support@ngm.se

For non-technical related questions:

Contact information for BX Swiss

Telephone: + 41 31 329 40 40

E-mail: Handel@bxswiss.com

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