Member FAQ's on "Simulated Market"

Version 3.0

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Disclaimer:

1. What is Simulated Environment? How is it different from Test Environment?

Test Environment is a development environment which is available throughout the day. Members / Empaneled Vendors / Application Service Providers and Foreign Independent Software Vendors can access Test Environment. All Exchange proposed future system releases are available in Test Environment, thus it is a step ahead of the Live Environment. Participants use Test Environment for developing and testing their products which would be used for trading on Exchange platform in the future after the release of the proposed changes.

In Simulated Environment, any new system releases take place only post successful mocks of major changes / version releases and its subsequent roll out in Live Environment. The Exchange shall endeavor to replicate such changes in Simulated Environment in less than 2 weeks' time.

2. Who can access Simulated Environment?

Simulated Environment can be accessed by all members of the Exchange. Members who are eligible to trade in respective segment in Live Environment shall be enabled for the daily Simulated trading sessions with their existing user ids, IP, and Box Id mapping i.e. members can use their production network connectivity itself for participating in the Simulated Environment.

3. Which segments are available in the Simulated Environment of the Exchange?

Non-Colo Facility - Simulated Environment is available for Capital Market (CM), Futures & Options (FO), Currency Derivatives (CD) and Commodity Derivatives (COM) segments of the Exchange.
Colo Facility - Simulated Environment is available for Capital Market (CM), Futures & Options (FO), Currency Derivatives (CD) segments. Commodity Derivatives (COM) segment is unavailable in Colo facility.

4. What are the timings for various segments to access Simulated Environment?

The timings for Simulated Environment are as follows:
For CM segment –
Preopen – 17:30 to 17:38 hours
Normal Market – 17:45 to 22:00 hours
For FO, CD and COM segment –
Market open time – 17:30 hours
Market close time – 22:00 hours
Collateral value set up cut off time – 22:15 hours
Trade modification end time – 22:15 hours

5. Is Simulated Environment available on all trading days?

Yes, the Simulated Environment is available on all trading days.

6. Which are the modes available to connect to the Simulated Environment?

Simulated Environment can be accessed via leased lines and colocation facility. Access via internet is not available.

7. Can the Leased lines used by the member for trading in Live Environment be used to connect to Simulated Environment?

Yes, the members can connect to Live Environment and Simulated Environment from the same mode of connectivity. The configuration parameters to connect to the Simulated Environment are different from that of the Live Environment.

8. What are the credentials /How can members login into Simulated Environment?

Non-Confidential

Simulated Environment credentials i.e. existing IP, Box ID's and User IDs are the same as that of Live Environment. In case members want to enable the below facilities in Simulated Environment which are not available in their Live Environment User ID, they may approach the Exchange on Trade Support helpdesk (Toll Free No. 1800 266 0050 – Option 1 or E-mail id msm@nse.co.in):

- Pro-enablement
- CTCL Conversion
- Password Reset for Corporate manager user ID
- Unlocking of Corporate manger user ID
- Change of User ID trading rights (Viz. PRO to CLI, PRO+CLI, etc.)

Member and user master from Live Environment are replicated periodically in Simulated Environment.

9. What is the default password for accessing the Simulated Environment?

Default password for login in CM- Neat@CM1, FO- Neat@FO1, CD- Neat@CD1 and COM- Neat@CO1

10. Can members access the Simulated Environment immediately after allotment of a new User ID?

It will take some time to replicate in the Simulated Environment. However, in order to expedite the configuration, new members (i.e. members currently not having any existing user ID in Simulated Environment), may approach the Exchange on Trade Support helpdesk (Toll Free No. 1800 266 0050 – Option 1 or E-mail id msm@nse.co.in) for mapping of user ID and pro enablement which shall take approximately T+2 working days.

11. Are there any charges for accessing the Simulated Environment?

Presently, there are no charges for accessing the Simulated Environment. Members who are enabled and trading in respective segment in Live Environment shall be able to access daily Simulated trading sessions.

12. What are the configuration parameters to connect to the Exchange Simulated Environment?

The configuration parameter for interactive and broadcast connectivity are provided in the Exchange circular Download Ref No: NSE/MSD/61599 dated April 15, 2024. The parameters are also available under the url path https://www.nseindia.com/trade/platform-services-test-and-simulated-market-facility .

13. When does the Exchange update the Simulated Environment?

Member and user master along with security masters of Live Environment are periodically replicated in the Simulation Environment typically in the interval of about 15 days. The same is also replicated after mock session if there are major changes or version releases and its subsequent rollout.

14. Where can members check updates regarding the Simulated Environment?

The Exchange provides information of such updates, as and when they take place. Members can check this information via Member Portal.

Details of the same are available at the following link:
https://www.nseindia.com/trade/platform-services-test-and-simulated-market-facility
OR
https://ims.connect2nsccl.com/MemberPortal/view/testMrktHome.jsp
OR
https://enit.nseindia.com/MemberPortal/view/testMrktHome.jsp
OR
https://www.nseindia.com/trade/platform-services-test-and-simulated-market-facility

15. Can members login in the Simulated Environment using NEAT/NEAT PLUS application?

Non-Confidential

NEAT, NEAT+, NEAT Adapter as well as UDP applications are available for login in the Simulated Environment. In case, members want to reset Password or for unlocking of Corporate manager user ID, members may approach the Exchange on Trade Support helpdesk (Toll Free No. 1800 266 0050 – Option 1 or E-mail id msm@nse.co.in).

16. Can members use the master files i.e. contact.txt / security.txt files of the Live Environment for trading in the Simulated Environment?

The Simulated Environment master files are replicated from Live Environment. Master files i.e. security.txt / contract.txt / participant.txt / MTBT stream info files etc. of the respective segments are updated on a periodic basis in the Simulated Environment. The required master files for participating in the Simulated Environment can be downloaded from the following link:

https://www.nseindia.com/trade/platform-services-test-and-simulated-market-facility
                    OR
https://ims.connect2nsccl.com/MemberPortal/view/testMrktHome.jsp
                    OR
https://enit.nseindia.com/MemberPortal/view/testMrktHome.jsp
                    OR
https://www.nseindia.com/trade/platform-services-test-and-simulated-market-facility

The date mentioned as part of the master files name in the respective segment, shall indicate the date of the end-of-day files that has been replicated.

17. Will the changes made by members in the Simulated Environment be replicated to Live Market setup also?

No, any changes made in Simulated Environment shall not be replicated in Live Environment.

18. Is Auction Market available in Simulated Environment for CM segment?

Yes, members may reach out to the Exchange on Trade Support helpdesk (Toll Free No. 1800 266 0050 – Option 1 or E-mail id msm@nse.co.in) to initiate Auction session in the Simulated Environment.

19. What are the prerequisites to start placing orders in Simulated Environment?

Members are required to set their branch/user limits from their corporate manager terminal in the respective segments and use the master files provided for Simulated Environment prior to placing orders in the Simulated Environment.

20. Member is receiving error for Limits. What needs to be done to resolve the same?

Just like trading in Live Environment, members are required to set their branch / user limits for Simulated Environment by logging in from their corporate manager terminal in the respective segments, prior to placing orders in the Simulated Environment.

21. How can members perform the installation and configuration of NEAT Adaptor and /or NEAT versions?

The installation process is the same as that of Live environment except for the parameters. The configuration parameter for interactive and broadcast connectivity are provided in the Exchange circular Download Ref No: NSE/MSD/61599 dated April 15, 2024.

22. Is summarized reports of members activities available in Simulated Environment?

Yes, the summarized reports of members activities are available for members in simulated environment. Members who have participated in the simulated environment can download the summarized reports of their orders and trades for CM, FO, CD and COM segments of the exchange.

[For file nomenclature, path, and file structure kindly refer to Circular Download Ref No: NSE/MSD/61599 dated April 15, 2024 for details]

23. When are the participation reports provided in Extranet folders?

The reports shall be provided on the same day post closure of markets in simulated environment. Reports shall be available only on days when a member has participated.

24. What is liquidity generation facility in Simulated Environment?

Exchange also has a facility to provide liquidity for participating members to test their Non NEAT Frontend (NNF) applications. The facility is available for Capital Market (CM), Futures & Options (FO) and Currency Derivatives (CD) segments of the Exchange from 6:00 PM to 8:00 PM on all trading days when Simulated Environment is available.

25. How can a member generate liquidity in Simulation Market?

Participating members can generate liquidity by placing orders to test their Non Neat Frontend (NNF) applications.

Troubleshooting Guide

1. **Basic checks:**

   Members are requested to complete basic checks as mentioned below:

   ✓ Member is using the correct credentials of IP - BOX ID - User ID combination as provided by the Exchange for accessing the Simulated Environment in the respective segment.
   ✓ Interactive parameters for Simulated Environment i.e. Destination IP and Port are configured correctly for respective segment.
   ✓ Broadcast parameters for Simulated Environment i.e. Multicast IP and Port are configured correctly for respective segment.
   ✓ Member is able to have a successful Host Telnet as well as Box Telnet. Members may approach the Exchange on Trade Support helpdesk (Toll Free No. 1800 266 0050 – Option 1 or E-mail id msm@nse.co.in) while performing the telnet if required.
   ✓ Member is using the latest versions of NEAT / NEAT Plus and NEAT Adaptor applications as communicated by the Exchange for Live/Simulated Environment in the respective segment.

2. **Login related trouble shooting guide:**

   • Error Code: 16006 - Invalid Sign on
   Members to kindly ensure that they are using the correct credentials (Box ID and User ID) and interactive parameters as provided by the Exchange.
   Check the version (NEAT /NEAT ADAPTER)
   If error while setting new password it should comply with the password policy of the Exchange.

   • Error Code: 16403 - Sign on from different location
   Members to kindly ensure that they are using the correct credentials (IP - Box ID - User ID combination) as provided by the Exchange.

   • Error Code: 16134 - User ID disabled
   In case of Dealer User ID, kindly reset the same from the Corporate Manager terminal.
   In case of corporate manager user id, kindly approach the Exchange on Trade Support helpdesk (Toll Free No. 1800 266 0050 – Option 1 or E-mail id msm@nse.co.in) to reset the same.

   • Error Code: 16004 - User Already Signed on
   In case of Dealer User ID, kindly reset the same from the Corporate Manager terminal.

In case of corporate manager user id, members may approach the Exchange on Trade Support helpdesk (Toll Free No. 1800 266 0050 – Option 1 or E-mail id msm@nse.co.in) to reset the same.

- Error Code: 16100 - BOX/Trading system version number is invalid
  Members to kindly ensure that they are using the latest versions of NEAT / NEAT Plus applicable for Test Environment.

- Error Code: 16053 - Password expired
  Kindly set new password as per the password policy of the Exchange.

- Error Code: 17101 - Invalid Packet
  In case of login via NEAT Adaptor, kindly check the NEAT Adaptor (NA) server machine time and date (Time one must be UTC +5:30). The system date should be current date for successful login.

3. **Order entry related trouble shooting guide:**

- Orders are getting rejected due to DPR.
  Members to kindly ensure that they are using the updated master files in Simulated Environment which are available in the following link:
  https://www.nseindia.com/trade/platform-services-test-and-simulated-market-facility
  OR
  https://ims.connect2nsccl.com/MemberPortal/view/testMrktHome.jsp
  OR
  https://enit.nseindia.com/MemberPortal/view/testMrktHome.jsp
  OR
  https://www.nseindia.com/trade/platform-services-test-and-simulated-market-facility

- It may be noted that any order rejected by the Exchange is responded with an "Order no." along with an error code and reason code. Members may refer the API documents for detailed description of the same.

- For further technical queries members are required to send email on msm@nse.co.in or call the Exchange on Trade Support helpdesk (Toll Free No. 1800 266 0050 – Option 1) with the following details:

Srno	Details Required
1	Member Code
2	Member Name
3	Segment
4	User ID
5	BOX ID
6	IP
7	Details of login protocol used i.e. TAP / NEAT Adaptor / Direct Connection
8	Query in brief along with details of exchange order no., trade no., error code, reason codes, screenshots of error etc.
9	Contact details i.e. Name and contact no of the concerned person with whom our technical team can connect in case of any discussion required on the said query.
10	Please note that since the queries are technical in nature and will require time for analysis, the Exchange SLA shall be at least 7 working days in such cases.
11	While sending mail pertaining to simulated environment, members shall send mail with a prefix as "Simulated Environment" in the subject line of the mail in order to assist better.

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