

Simulated Environment Configuration

Parameters for Interactive Connectivity:

Segment	Gateway Router		Gateway IPs Subnet ranges		
	IP Address	Port	Network	Subnet Mask	Port
Capital Market	172.19.245.108	10280	172.19.245.0	255.255.255.0	10267-10278
		10216*			
		10217**			
Futures & Options	172.19.245.108	10277	172.19.245.0	255.255.255.0	10273 & 10255
		10214*			
		10215**			
Commodity Derivatives	172.19.245.108	10276	172.19.245.0	255.255.255.0	10271 & 10272
		10212*			
		10213**			
Currency Derivatives	172.19.245.108	10279	172.19.245.0	255.255.255.0	10247 & 10254
		10210*			
		10211**			

*Port - This port will support new encryption messages with MD5 checksum removal.

**Port - This port will support new encryption messages with MD5 checksum removal and new immediate Ack request for order related messages.

Segment	Extranet Path for “Encryption CA Certificate” in Simulation environment
CM	/common/Test_Environment/CM_NEW_CA_Certificate_2025.zip
F&O	/faoftp/faocommon/Test_Environment/FO_NEW_CA_Certificate_2025.zip
CD	/cdsftp/cdscommon/Test_Environment/CD_NEW_CA_Certificate_2025.zip
COM	/comtftp/comtcommon/Test_Environment/COM_NEW_CA_Certificate_2025.zip

Note: Kindly use combination of new CA certificate, new IP and Port parameters.

If participating with NEAT/NEAT Plus application, please select ‘DEV’ radio button in the Host configuration option of “NEAT Adaptor” and configure the above parameters to participate in the simulated environment.

Parameters for Connectivity for Trade Drop Copy Facility:

Segment	IP Address	Port
Capital Market (CM)	172.19.245.240	10240
	172.19.245.216	10216

Parameters for Broadcast:

A. Normal Market Data Broadcast: Price volume (5 depth 1 second refresh), other related data, master updates, market open/close status message broadcast etc.

Normal Market Data Broadcast Simulated			
Segment	Broadcast type	Multicast IP Address	Broadcast Port
CM	Fast	239.100.39.72	10272
	Slow	239.100.39.73	10273
	Fast	239.100.39.74	10274
	Slow	239.100.39.75	10275

FO	Fast	239.100.39.16	10216	
	Fast	239.100.39.30	10230	
	Fast	Existing IP	239.100.39.245	20245
	Fast		239.100.39.246	20246
	Fast	New IP (supports new transcodes 1833, 7201, 17208, 17211)	239.100.39.16	10216
	Fast		239.100.39.30	10230

CD	Fast	239.100.39.57	10257
	Slow	239.100.39.31	10231
CO	-	239.100.39.10	10241

B. Limit Price Protection Range (LPP) Broadcast Parameters:

Limit Price Protection Range is applicable only in FO & COM segments and Exchange provides related broadcast for NNF users as below:

Limit Price Protection Range (LPP) Parameters -Simulated				
Segment	Source 1		Source 2	
	Multicast IP Address	Broadcast Port	Multicast IP Address	Broadcast Port
FO	239.100.39.38	10238	239.100.39.39	10239
COM	239.100.39.244	10202	-	-

Tick by Tick order and trade data via Multicast (MTBT)

1. Segment wise details of Multicast IP address and port are as below:

MTBT Parameters - Simulated					
Segment	Stream ID	Source 1		Source 2 (Delayed Feed)	
		Multicast IP Address	Multicast Port	Multicast IP Address	Multicast Port
CM	1	239.100.39.92	10292	239.100.39.93	10293
CM	2	239.100.39.92	10282	239.100.39.93	10283
CM	3	239.100.39.181	10181	239.100.39.182	10182
CM	4	239.100.39.183	10183	239.100.39.184	10184
CM	5	239.100.39.86	10286	239.100.39.87	10287
FO	1	239.100.39.66	10266	239.100.39.67	10267
FO	2	239.100.39.68	10268	239.100.39.69	10269
CD	1	239.100.39.63	10263	239.100.39.64	10264
CO	1	239.100.39.162	10162	239.100.39.163	10163

2. Recovery of tick by tick data:

Multicast TBT Recovery details - Simulated		
Segment	IP Address	Port
CM	172.19.245.36	10287
FO	172.19.245.36	10283
CD	172.19.245.36	10281
CO	172.19.245.36	10282

3. Order Snapshot Recovery for New Multicast Tick by Tick broadcast (through TCP / IP)

Multicast TBT Recovery details - Simulated		
Segment	IP Address	Port
CM	172.19.245.200	10981
FO	172.19.245.200	10982
CD	172.19.245.200	10983