

INET Nordic Production Connectivity Details - IP Subnets and Ports - VASBY and PORT

v1.6

For protocols where only subnet is specified, the specific IP address will be included in each member's account details available via Member Portal or operator@nasdaq.com

Protocol / Service	Subnets and IP addresses - Site A (VASBY) All Primary ports (and Secondary/Failover ports for Co-Lo customers)	Subnets and IP addresses - Site B (PORT) Secondary/Failover for ports Extranet-, Direct Connect- and NODE customers (non Co-Lo)	Port / Port Range
FIX Order Entry (OE)	159.79.136.0/21	193.142.170.0/23	18100
FIX OE Drop (incl. Algo Child Order Drop)	159.79.136.0/21	194.110.110.0/23	18740
FIX Trade Reporting (TR)	159.79.136.0/21	194.110.110.0/23	19100
FIX TR Drop	159.79.136.0/21	194.110.110.0/23	19740
OUCH (Shared Gateway)	159.79.136.0/21	194.110.104.0/23	16020
OUCH (Dedicated Gateway)	159.79.136.0/21	194.110.104.0/23	16200-16250
FIX Drop for OUCH traffic	159.79.136.0/21	194.110.106.128/25	16840
ITCH TCP - All Nordic/Baltic INET Markets	159.79.81.0/25	194.110.106.0/25	17001
ITCH TCP - Nordic Equities	159.79.81.0/25	194.110.106.0/25	17002
ITCH TCP - Stockholm Equities	159.79.81.0/25	194.110.106.0/25	17004
ITCH TCP - Stockholm Warrants	159.79.81.0/25	194.110.106.0/25	17003
ITCH TCP - Copenhagen Equities & Warrants	159.79.81.0/25	194.110.106.0/25	17005
ITCH TCP - Helsinki Equities & Warrants	159.79.81.0/25	194.110.106.0/25	17006
ITCH TCP - GLIMPSE	159.79.81.0/25	194.110.106.0/25	17022
ITCH TCP - Nordic Equity Last Sale (NLS)	159.79.81.0/25	194.110.106.0/25	17200
TIP	159.79.68.0/28 IP address: 159.79.68.1	159.79.68.32/28 IP address: 159.79.68.33	29900
FDS	192.176.3.96/27 IP address: 192.176.3.100	Same as site A. (Transparent failover through load balancer)	8080
Nordic Workstation	192.176.3.96/27 IP address: 192.176.3.99 (URL: extranet.nordicworkstation.com)	Same as site A. (Transparent failover through load balancer)	443
Multicast services VASBY and PORT - Extranet, Direct Connect and NODE Access			
INET ITCH Multicast (Dualsite)¹		Secondary/Failover (Site B) - B Flow	
ITCH Multicast Equities & Warrants ¹	Primary - A Flow Source IP address: 159.79.85.1 (within subnet 159.79.85.0/28) Destination IP address and port in direction to client: IP Multicast group address: 233.74.125.32 UDP port: 31032	Source IP address: 192.165.254.33 (within subnet 192.165.254.32/27) Destination IP address and port in direction to client: IP Multicast group address: 233.74.125.141 UDP port: 31141	
Re-request of lost ITCH Multicast messages ¹	159.79.81.0/25 IP address: 159.79.81.8 UDP port: 31532	194.110.106.0/25 IP address: 194.110.106.11 UDP port: 31641	
INET NLS Multicast (Dualsite)²		Secondary/Failover (Site B) - B Flow	
Nordic Equity Last Sale (NLS) Multicast ²	Source IP address: 159.79.85.11 (within subnet 159.79.85.0/28) Destination IP address and port in direction to client: IP Multicast group address: 233.74.125.34 UDP port: 31034	Source IP address: 192.165.254.59 (within subnet 192.165.254.32/27) Destination IP address and port in direction to client: IP Multicast group address: 233.74.125.142 UDP port: 31142	
Re-request of lost NLS Multicast messages ²	159.79.81.0/25 IP address: 159.79.81.34 UDP port: 31534	194.110.106.0/25 IP address: 194.110.106.42 UDP port: 31642	
Multicast services - Co-location 1G Access			
INET ITCH Multicast (1G Co-location access)¹		Secondary/Failover (at primary site) - C Flow	
ITCH Multicast Equities & Warrants ¹	Primary - A Flow Source IP address: 159.79.85.1 (within subnet 159.79.85.0/28) Destination IP address and port in direction to client: IP Multicast group address: 233.74.125.32 UDP port: 31032	Source IP address: 159.79.85.17 (within subnet 159.79.85.16/28) Destination IP address and port in direction to client: IP Multicast group address: 233.74.125.33 UDP port: 31033	
Re-request of lost ITCH Multicast messages ¹	159.79.81.0/25 IP address: 159.79.81.8 UDP port: 31532	159.79.81.0/25 IP address: 159.79.81.9 UDP port: 31533	
INET NLS Multicast (1G Co-location access)²		Secondary/Failover (at primary site) - C Flow	
Nordic Equity Last Sale (NLS) Multicast ²	Source IP address: 159.79.85.11 (within subnet 159.79.85.0/28) Destination IP address and port in direction to client: IP Multicast group address: 233.74.125.34 UDP port: 31034	Source IP address: 159.79.85.27 (within subnet 159.79.85.16/28) Destination IP address and port in direction to client: IP Multicast group address: 233.74.125.35 UDP port: 31035	
Re-request of lost NLS Multicast messages ²	159.79.81.0/25 IP address: 159.79.81.34 UDP port: 31534	159.79.81.0/25 IP address: 159.79.81.35 UDP port: 31535	
Multicast services - Co-location 10G Ultra Access			
INET ITCH Multicast (10G Ultra Co-location access)¹		Secondary/Failover (at primary site) - C Flow	
ITCH Multicast Equities & Warrants ¹	Primary - A Flow Source IP address: 159.79.85.129 (within subnet 159.79.85.128/28) Destination IP address and port in direction to client: IP Multicast group address: 233.74.125.42 UDP port: 31042	Source IP address: 159.79.85.145 (within subnet 159.79.85.144/28) Destination IP address and port in direction to client: IP Multicast group address: 233.74.125.43 UDP port: 31043	
Re-request of lost ITCH Multicast messages ¹	159.79.81.0/25 IP address: 159.79.81.10 UDP port: 31542	159.79.81.0/25 IP address: 159.79.81.11 UDP port: 31543	
ITCH Multicast Equities only ¹	Source IP address: 159.79.85.130 (within subnet 159.79.85.128/28) Destination IP address and port in direction to client: IP Multicast group address: 233.74.125.36 UDP port: 31036	Source IP address: 159.79.85.146 (within subnet 159.79.85.144/28) Destination IP address and port in direction to client: IP Multicast group address: 233.74.125.37 UDP port: 31037	
Re-request of lost ITCH Multicast messages ¹	159.79.81.0/25 IP address: 159.79.81.36 UDP port: 31536	159.79.81.0/25 IP address: 159.79.81.37 UDP port: 31537	
ITCH Multicast Warrants only ¹	Source IP address: 159.79.85.131 (within subnet 159.79.85.128/28) Destination IP address and port in direction to client: IP Multicast group address: 233.74.125.38 UDP port: 31038	Source IP address: 159.79.85.147 (within subnet 159.79.85.144/28) Destination IP address and port in direction to client: IP Multicast group address: 233.74.125.39 UDP port: 31039	
Re-request of lost ITCH Multicast messages ¹	159.79.81.0/25 IP address: 159.79.81.38 UDP port: 31538	159.79.81.0/25 IP address: 159.79.81.39 UDP port: 31539	
INET NLS Multicast (10G Ultra Co-location access)²		Secondary/Failover (at primary site) - C Flow	
Nordic Equity Last Sale (NLS) Multicast ²	Source IP address: 159.79.85.139 (within subnet 159.79.85.128/28) Destination IP address and port in direction to client: IP Multicast group address: 233.74.125.44 UDP port: 31044	Source IP address: 159.79.85.155 (within subnet 159.79.85.144/28) Destination IP address and port in direction to client: IP Multicast group address: 233.74.125.45 UDP port: 31045	
Re-request of lost NLS Multicast messages ²	159.79.81.0/25 IP address: 159.79.81.44 UDP port: 31544	159.79.81.0/25 IP address: 159.79.81.45 UDP port: 31545	

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¹ For details on ITCH Multicast setup, please consult the INET ITCH Multicast Offering presentation at <http://www.nasdaqomx.com/transactions/technicalinformation/connectivity>

² For details on NLS Multicast setup, please consult the INET NLS Multicast Offering presentation at <http://www.nasdaqomx.com/transactions/technicalinformation/connectivity>