

Nordic Derivatives Trading System Test (EqD Test) Connectivity Details – IP Subnets and Ports – VASBY

Below connectivity details pertain to **Nordic Derivatives Trading System Test (EqD Test)** environment. Connectivity details to Production environment are published separately.

For protocols where only subnet/range is specified, the specific IP address will be included in each member's account details available via [Member Portal](#) or from MAC@nasdaq.com.

BGP/Routing

VASBY – Nasdaq advertises five networks: **204.190.134.0/24** and the ITCH A- and B- multicast source subnets **204.190.134.32/28** (A-feed), **204.190.134.48/28** (B-feed) and the AMD A- and B- multicast source subnets **159.79.69.96/28** (A-feed), **159.79.69.112/28** (B-feed).

Unicast services VASBY

Protocol / Service	IP ranges within announced /24 subnet - Primary	IP ranges within announced /24 subnet - Secondary/Failover	Port Range
FIX Order Entry	204.190.134.64-127	204.190.134.64-127	8200-8299
OUCH Order Entry	204.190.134.64-127	204.190.134.64-127	7100-7199
FIX Drop	204.190.134.64-127	204.190.134.64-127	6200-6299

VASBY – ITCH Multicast (Extranet, Direct Connect, NODE, Colo 1G):

ITCH Multicast Equity Derivatives (1G) ¹	Primary - A Flow	Secondary/Failover - B Flow	Port Range
ITCH Multicast ¹ UDP	Source IP address: 204.190.134.32 (within subnet 204.190.134.32/28) Destination IP address and port in direction to client: Multicast group address: 233.74.125.65 UDP port: 18032	Source IP address: 204.190.134.48 (within subnet 204.190.134.48/28) Destination IP address and port in direction to client: Multicast group address: 233.74.125.66 UDP port: 18032	
ITCH Re-request UDP	IP address: 204.190.134.128 UDP port: 18132	IP address: 204.190.134.144 UDP port: 18132	18130-18139
ITCH Re-request TCP	IP address: 204.190.134.130 TCP port: 18132	IP address: 204.190.134.146 TCP port: 18132	18130-18139
GLIMPSE TCP (ITCH)	IP address: 204.190.134.129 TCP port: 18332	IP address: 204.190.134.145 TCP port: 18332	18330-18339
Rendezvous Point (RP) - PIM-SM join message Extranet providers, Direct Connect and Co-Lo 1G in VASBY	RP-A: 159.79.85.254/32	RP-B: 159.79.85.255/32	

VASBY – AMD Multicast (Extranet, Direct Connect, NODE, Colo 1G):

AMD Multicast Equity Derivatives (1G) ¹	Primary - A Flow	Secondary/Failover - B Flow	Port Range
AMD Multicast ¹ UDP	Source IP address: 159.79.69.99 (within subnet 159.79.69.96/28) Destination IP address and port in direction to client: Multicast group address: 233.74.125.77 UDP port: 31077	Source IP address: 159.79.69.115 (within subnet 159.79.69.112/28) Destination IP address and port in direction to client: Multicast group address: 233.74.125.78 UDP port: 31078	
AMD Re-request UDP	IP address: 159.79.68.97 UDP Port: 29312	IP address: 159.79.68.105 UDP Port: 29312	
Rendezvous Point (RP) - PIM-SM join message Extranet providers, Direct Connect and Co-Lo 1G in VASBY	RP-A: 159.79.85.254/32	RP-B: 159.79.85.255/32	

¹ For general information on ITCH Multicast setup, please consult the INET ITCH UDP Multicast presentation at <https://www.nasdaq.com/solutions/data/european-market-connectivity>