

Nordic Derivatives Trading System Test (EqD Test) Connectivity Details – IP Subnets and Ports – VASBY Outpost – **Valid from 2027-02-01**

Below connectivity details pertain to **Nordic Derivatives Trading System Test (EqD Test)** environment in VASBY Outpost. 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 six networks:

204.190.160.0/25 FIX and OUCH services
204.190.160.128/25 ITCH re-request
204.190.167.0/29 ITCH A feed multicast source subnet
204.190.167.8/29 ITCH B feed multicast source subnet
159.79.69.96/28 AMD A-feed
159.79.69.112/28 AMD B-feed

Unicast services VASBY

Protocol / Service	IP ranges within announced /25 subnet - Primary	IP ranges within announced /25 subnet - Secondary/Failover	Port Range
FIX Order Entry	204.190.160.64-127	204.190.160.64-127	8200-8299
OUCH Order Entry	204.190.160.64-127	204.190.160.64-127	7100-7199
FIX Drop	204.190.160.64-127	204.190.160.64-127	6200-6299

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

ITCH Multicast Equity Derivatives (1G) ¹	Primary – A Flow	Secondary/Failover – B Flow	Port Range
ITCH Multicast ¹ UDP	<u>Source:</u> IP address: 204.190.167.5 Subnet: 204.190.167.0/29 <u>Destination towards client:</u> Multicast group IP: 233.213.44.78 UDP port: 18032	<u>Source:</u> IP address: 204.190.167.13 Subnet: 204.190.167.8/29 <u>Destination towards client:</u> Multicast group IP: 233.213.44.79 UDP port: 18032	
ITCH Re-request UDP	IP address: 204.190.160.140 Subnet: 204.190.160.128/25 UDP port: 18132	IP address: 204.190.160.150 Subnet: 204.190.160.128/25 UDP port: 18132	UDP 18130-18139
ITCH Re-request TCP	IP address: 204.190.160.142 Subnet: 204.190.160.128/25 TCP port: 18132	IP address: 204.190.160.152 Subnet: 204.190.160.128/25 TCP port: 18132	TCP 18130-18139

GLIMPSE TCP (ITCH)	IP address: 204.190.160.144 Subnet: 204.190.160.128/25 TCP port: 18332	IP address: 204.190.160.154 Subnet: 204.190.160.128/25 TCP port: 18332	TCP 18330-18339
Rendezvous Point (RP) - PIM-SM join message Extranet providers, Direct Connect, NODE and Vasby Co-Lo	RP-A: 159.79.85.254/32	RP-B: 159.79.85.255/32	

VASBY – ITCH Multicast 10G (Extranet, Colo)

ITCH Multicast Equity Derivatives (10G) ¹	Primary – A Flow	Secondary/Failover – B Flow	Port Range
ITCH Multicast ¹ UDP	<u>Source:</u> IP address: 204.190.167.4 Subnet: 204.190.167.0/29 <u>Destination towards client:</u> Multicast group IP: 233.213.44.76 UDP port: 18032	<u>Source:</u> IP address: 204.190.167.12 Subnet: 204.190.167.8/29 <u>Destination towards client:</u> Multicast group IP: 233.213.44.77 UDP port: 18032	
ITCH Re-request UDP	IP address: 204.190.160.140 Subnet: 204.190.160.128/25 UDP port: 18132	IP address: 204.190.160.150 Subnet: 204.190.160.128/25 UDP port: 18132	UDP 18130-18139
ITCH Re-request TCP	IP address: 204.190.160.142 Subnet: 204.190.160.128/25 TCP port: 18132	IP address: 204.190.160.152 Subnet: 204.190.160.128/25 TCP port: 18132	TCP 18130-18139
GLIMPSE TCP (ITCH)	IP address: 204.190.160.144 Subnet: 204.190.160.128/25 TCP port: 18332	IP address: 204.190.160.154 Subnet: 204.190.160.128/25 TCP port: 18332	TCP 18330-18339
Rendezvous Point (RP) - PIM-SM join message Extranet, Vasby Co-Lo	RP-A: 159.79.85.254/32	RP-B: 159.79.85.255/32	

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

AMD Multicast Equity Derivatives (1G) ¹	Primary - A Flow	Secondary/Failover - B Flow	Port Range
AMD Multicast ¹ UDP	<u>Source</u> IP address: 159.79.69.99 Subnet: 159.79.69.96/28 <u>Destination towards client:</u> Multicast group IP: 233.74.125.77 UDP port: 31077	<u>Source</u> IP address: 159.79.69.115 Subnet: 159.79.69.112/28 <u>Destination towards client:</u> Multicast group IP: 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, NODE and Vasby Co-Lo	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/products/data/european-market-connectivity>