

Fusion FI Test system (FI Test) Connectivity Details – IP Subnets and Ports – VASBY

Below connectivity details pertain to **Fusion FI Test (FI 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 three networks: **204.190.150.0/24** and the ITCH A- and B- multicast source subnets **204.190.150.32/28** (A-feed), **204.190.150.48/28** (B-feed).

Unicast services VASBY

Protocol / Service	IP ranges within announced subnet - Primary	IP ranges within announced subnet - Secondary/Failover	Port Range
FIX Order Entry	204.190.150.64/26	204.190.150.64/26	8200-8299
FIX Drop	204.190.150.64/26	204.190.150.64/26	6200-6299

Multicast services VASBY - Extranet, Direct Connect, NODE and Colo 1G Access

ITCH Multicast Fixed Income (1G) ¹	Primary - A Flow	Secondary/Failover - B Flow	Port
ITCH Multicast ¹ UDP	Source IP address: 204.190.150.32 (within subnet 204.190.150.32/28) Destination IP address and port in direction to client: Multicast group address: 233.213.44.48 UDP Port: 18032	Source IP address: 204.190.150.48 (within subnet 204.190.150.48/28) Destination IP address and port in direction to client: Multicast group address: 233.213.44.50 UDP Port: 18032	18032
ITCH Re-request UDP	IP address: 204.190.150.128 UDP Port: 18132	IP address: 204.190.150.144 UDP Port: 18132	18132
ITCH Re-request TCP	IP address: 204.190.150.130 TCP Port: 18132	IP address: 204.190.150.146 TCP Port: 18132	18132
GLIMPSE TCP (ITCH)	IP address: 204.190.150.129 TCP Port: 18332	IP address: 204.190.150.145 TCP Port: 18332	18332
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/european-market-connectivity>