



OneChronos

Connectivity Guide

Version 1.3

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Introduction

This document describes the connectivity options available to OneChronos Subscribers. Subscribers are responsible for selecting their connectivity provider, arranging connectivity to the data center, and paying all third-party charges, including cross-connects. OneChronos does not charge port fees for a single or redundant cross-connect pair per region.

Contacts

For connectivity inquiries and support, contact the OneChronos Network Operations Center:

Contact	Details
Email	noc@onechronos.com

Physical Connectivity

Direct Connect (Cross-Connect)

Subscribers may establish a direct physical connection to OneChronos via a data center cross-connect.

- OneChronos exclusively supports **10G SFP+ LR** single-mode fiber
- OneChronos acts as the Z-side and will provide Letters of Authorization (LOAs)
- Subscribers are responsible for ordering the cross-connect from the data center provider

Speed	Interface	Media
10 Gbps	SFP+ LR	Single-mode fiber

Points of Presence

Data Center	Services
Equinix NY3	FX
Equinix NY5	US ATS
Equinix LD4	UK and EU MTF

Extranet Providers

Subscribers may connect to OneChronos via approved extranet providers. The technical and commercial relationship is between the extranet provider and the Subscriber.

United States

For US extranet connectivity options, please contact: noc@onechronos.com

Europe

For European extranet connectivity options, please contact: noc@onechronos.com

Logical Connectivity

Routing

All routing information is exchanged via Border Gateway Protocol (BGP).

Parameter	Value
Protocol	BGP
BGP Timers	Keepalive: 1 second / Hold: 3 seconds
Authentication	MD5 (mandatory)
Address Space	Non-RFC 1918 only

- OneChronos only accepts and advertises routes for non-RFC 1918 (publicly routable) address space
- MD5 passwords are provided for all BGP sessions

Certification Environment

OneChronos supports the following connectivity methods for certification testing:

Method	Certification	Production
Cross-Connect	✓	✓
Extranet	✓	✓
Internet	✓	—

Note: Internet and WireGuard connectivity are available for certification purposes only. Production trading requires cross-connect or extranet connectivity.

IP Addressing and Ports

US ATS

Parameter	Value
Subnet	134.195.110.0/24

Unicast Ports

Service	Port(s)
FIX Order Entry	11337
FIX Drop Copy	31337
UAT	51337
Additional Services	≥ 51338

FX

Parameter	Value
Subnet	207.90.220.0/27

Unicast Ports

Service	Port(s)
FIX Order Entry	11337
FIX Drop Copy	31337
UAT	51337
Additional Services	≥ 51338

Europe

Parameter	Value
Subnet	207.90.221.0/26

Unicast Ports

Service	Port(s)
FIX Order Entry	11337
FIX Drop Copy	31337
UAT	51337
Additional Services	≥ 51338

UAT

Parameter	Value
Subnet	209.163.124.0/27
UAT Address	209.163.124.11

Multicast Market Data

UK and EU MTF market data is available via PIM Sparse Mode multicast.

Parameter	Value
Source Range	207.90.221.56 – 207.90.221.63
RP Address (A Stream)	209.163.124.225
RP Address (B Stream)	209.163.124.226
Multicast Prod Range	224.0.245.1 – 224.0.245.4
Multicast UAT Range	224.0.245.5 – 224.0.245.8
Port Range	32000 – 32008

The Prod feeds are mapped as follows.

Feed	Side	Source IP	Endpoint
Auction Update Feed	A	207.90.221.56	224.0.245.1:32000
Last Trade Feed	A	207.90.221.57	224.0.245.2:32001
Auction Update Feed	B	207.90.221.58	224.0.245.3:32002
Last Trade Feed	B	207.90.221.59	224.0.245.4:32003

The UAT feeds are mapped as follows.

Feed	Side	Source IP	Endpoint
Auction Update Feed	A	207.90.221.60	224.0.245.5:32004
Last Trade Feed	A	207.90.221.61	224.0.245.6:32005
Auction Update Feed	B	207.90.221.62	224.0.245.7:32006
Last Trade Feed	B	207.90.221.63	224.0.245.8:32007

Connectivity Summary

Region	Subnet	Ports
US	134.195.110.0/24	11337, 31337, ≥ 51337
FX	207.90.220.0/27	11337, 31337, ≥ 51337
UK & EU MTF	207.90.221.0/26	11337, 31337, ≥ 51337 (unicast)
		32000–32008 (multicast)

Support

For connectivity support and inquiries:

Contact	Details
Network Operations	noc@onechronos.com