



Host and Ports Documentation

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Background:

TWS connects to our back-end systems on destination TCP port 4001 (login, order submission) and TCP port 4000 (Market Data), from random source TCP ports above 1024. All the communications using TCP port 4001 are SSL protected. Some additional services (cloud settings, platform auto- update) use destination TCP port 443 (HTTPS).

If your network is configured to access the Internet through a Proxy server, please be aware that the TWS can only work with transparent (SOCKS) proxies. Detailed information about the interaction between TWS and Proxy servers can be found on [this page](#).

Below you can find a detailed list of all the destination hosts/ports used by our platforms. When you use our services, please configure your firewall and security system to allow connections to and from those hosts/ports.

In order to test whether your connection needs any special setup or is already configured properly, you can follow the instructions on [this page](#). If you are not familiar with networking concepts, we advise you to contact your IT Support or Network Administrator for this matter.

Specs: Client Portal and Website

Region/Product	Server (Host)	Ports
IBKR WEBSITE – AMERICAS	www.interactivebrokers.com	443
IBKR WEBSITE – CANADA	www.interactivebrokers.ca	443
IBKR WEBSITE – IRELAND	www.interactivebrokers.ie	443
IBKR WEBSITE – UK	www.interactivebrokers.co.uk	443
IBKR WEBSITE – INDIA ²	www.interactivebrokers.co.in	443
IBKR WEBSITE – JAPAN ²	www.interactivebrokers.co.jp	443
IBKR WEBSITE – HONG KONG ²	www.interactivebrokers.com.hk	443
IBKR WEBSITE – SINGAPORE ²	www.interactivebrokers.com.sg	443
IBKR WEBSITE – CHINA ²	www.ibkr.com.cn	443
IBKR WEBSITE - AUSTRALIA	www.interactivebrokers.com.au	443
CLIENT PORTAL – US (EAST)	ndcdyn.interactivebrokers.com	443
CLIENT PORTAL – US (CENTRAL)	cdcdyn.interactivebrokers.com	443

¹: Standard Communication: TCP Port 80 | SSL Communication: TCP Port 443.

²: This Server host does not support ping request.

If you are accessing Client Portal from a corporate network where the Internet access is provided through a load balancing equipment, you may receive error messages about expired/invalid session and/or missing web content upon or after the login phase. The load-balancer cycles your outbound connections over two or more network interfaces to equalize the network workload. Because of this mechanism, your HTTP requests reach our systems from different IP addresses, invalidating your Client Portal session. In this scenario, as a solution, please ask your network administrator or IT group to configure your machine/device for bypassing the load-balancer. This will allow your session to remain valid and alive.

Specs: Desktop TWS

Region/Tool	Primary/Backup	Server (Host)	Ports
TWS AMERICAS (US EAST)	Primary Backup Backup	ndc1.ibllc.com ndc1-hb1.ibllc.com ndc1-hb2.ibllc.com	4000 / 4001
TWS AMERICA (US CENTRAL)	Primary Backup Backup	cdc1.ibllc.com cdc1-hb1.ibllc.com cdc1-hb2.ibllc.com	4000 / 4001
TWS EUROPE	Primary Backup Backup	zdc1.ibllc.com zdc1-hb1.ibllc.com zdc1-hb2.ibllc.com	4000 / 4001
TWS ASIA (HONG KONG)	Primary Backup Backup	hdc1.ibllc.com hdc1-hb1.ibllc.com hdc1-hb2.ibllc.com	4000 / 4001
TWS ASIA (SINGAPORE)	Primary Backup Backup	sdcl1.ibllc.com sdcl1-hb1.ibllc.com sdcl1-hb2.ibllc.com	4000 / 4001
TWS ASIA - CHINA ³	Primary Backup Backup	mcdw1.ibllc.com.cn mcdw1-hb1.ibllc.com.cn mcdw1-hb2.ibllc.com.cn	4000 / 4001
TWS AUTO-UPDATE	Primary	download.interactivebrokers.com download2.interactivebrokers.com	443
RISK NAVIGATOR	Primary	risk.interactivebrokers.com	443
TWS CLOUD SETTINGS	Primary	s3.amazonaws.com	443
IB CAM	Primary	ndc1.ibllc.com	4000 / 4001
WEB APPLICATIONS	Primary	api.ibkr.com	443
DIAGNOSTICS REPORTS	Primary	https://wit1.interactivebrokers.com	443

³: Gateway dedicated to clients with accounts assigned to the Hong Kong server but are physically connecting from Mainland China.

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40 countries include both countries and territories.

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