



Documentation
Host and Ports

Background:

TWS connects to IBKR servers via port 4000 and 4001, if using SSL, and will not operate on any other port. If you are using a proxy server, it needs to be a transparent with both inbound and outbound ports open so that the TWS can function properly.

Below are listed all the gateways, along with the corresponding destination host that might be used by the TWS when you use our services, please allow access to those hosts.

The easiest way to test whether your connection needs any special setup or has been configured properly is to use [IBKR's Dedicated Test page](#), which will provide a dynamic test of your network's connection against our main trading and market data servers. If a "Success" response is returned, there is nothing more for you to do. If the response is "Failure", we recommend adding an exception for the new hosts to your network's configuration or review your changes.

Note: *If your network uses a browser proxy, the test page can produce false positives. In this case, or if you are not sure what your network setup is, turn to your network administrators, who can perform ping and telnet tests to the hosts listed below to confirm compliance with the connectivity requirements.*

Specs:

CLIENT PORTAL AND WEBSITE		
REGION/PRODUCT	SERVER (HOST)	PORTS ¹
IBKR WEBSITE – AMERICA	www.interactivebrokers.com	443
IBKR WEBSITE – Canada	www.interactivebrokers.ca	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 – CHINA ²	www.ibkr.com.cn	443
IBKR WEBSITE - AUSTRALIA	www.interactivebrokers.com.au	443
CLIENT PORTAL – EAST	gdcyn.interactivebrokers.com	443
CLIENT PORTAL – CENTRAL	cdcdyn.interactivebrokers.com	443
DISASTER RECOVERY SITE	www.ibgdr.com	80

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

2: This IB Server host does not support ping request.

Important Note: 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.

DESKTOP TWS			
REGION/TOOL	PRIMARY/BACKUP	SERVER (HOST)	PORTS
TWS AMERICA – EAST	PRIMARY	ndc1.ibllc.com	4000 / 4001
	BACKUP	ndc1_hb1.ibllc.com	
TWS AMERICA – CENTRAL	PRIMARY	cdc1.ibllc.com	4000 / 4001
	BACKUP	cdc1_hb1.ibllc.com	
TWS EUROPE	PRIMARY	zdc1.ibllc.com	4000 / 4001
	BACKUP	zdc1_hb1.ibllc.com	
TWS ASIA	PRIMARY	hdc1.ibllc.com	4000 / 4001
	BACKUP	hdc1_hb1.ibllc.com	
TWS ASIA - CHINA ³	PRIMARY	mcgw1.ibllc.com.cn	4000 / 4001
	BACKUP	mcgw1_hb1.ibllc.com.cn	
TWS AUTO-UPDATE	PRIMARY	download.interactivebrokers.com	443
		download2.interactivebrokers.com	
RISK NAVIGATOR	PRIMARY	risk.interactivebrokers.com	443
TWS CLOUD SETTINGS	PRIMARY	s3.amazonaws.com	443
IB CAM	PRIMARY	gdc1.ibllc.com	4000 / 4001
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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