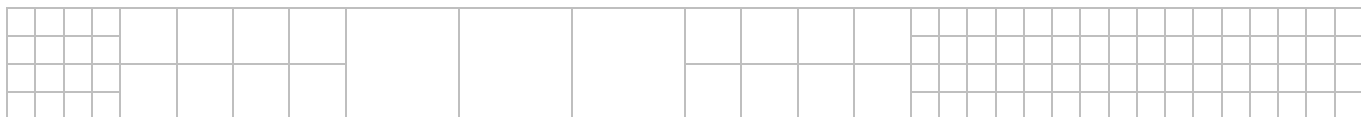


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6. Additional Network Requirements

6.1. Requirements to Access Content from Web Links on the Terminal

The Bloomberg Terminal service provides links to selected webpages and this functionality will utilize the default browser on the customer’s PC or otherwise within the customer’s corporate environment. The customers locally installed browsers and corporate proxies will govern service and display of the web content. The computer must, at minimum have:

- Internet Access
- HTTP Port 80 must be allowed to access any proxy server or firewall
- HTTPS Port 443 must be allowed to access any proxy server or firewall

Bloomberg news articles from Terminal functions such as NH NS1<GO> which load web content inside the Bloomberg application, will use Bloomberg’s browser engine implemented by **blpwebview.exe** and **blpbrowser.exe**. Bloomberg’s browser engine technology is based on a subset of Google’s Chromium project web browser. Each function that requires the display of web content may create one or more instances of **blpwebview.exe** and **blpbrowser.exe**.

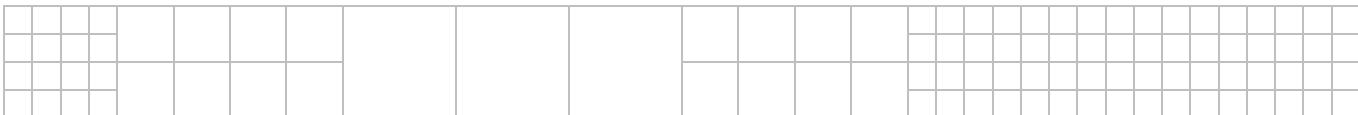
Bloomberg’s recommendations for successful use of “In Terminal web content” are as follows:

- Customers should configure Anti-Virus / Security software not to interfere with launching and execution of Bloomberg’s **blpwebview.exe** and **blpbrowser.exe** process.
- TCP/IP Communication from **blpwebview.exe** and **blpbrowser.exe** to external networks should be permitted on the firewall or security software, similar to the policy for the default desktop web browser.
- Customers should permit a user agent similar to Google Chrome desktop browser to send HTTP requests from clients’ PCs. If this is restricted, please contact Bloomberg support teams for further assistance.

6.2. Network requirements for Bloomberg Lab

LAB <GO> launches the Bloomberg Lab that you can use to analyze financial markets with modern developer tooling. To use Bloomberg Lab for Desktop, your system administrator must configure your network to allow the following domain:

URL	Port	Purpose	Direction
*.blpprofessional.com	HTTPS / 443	Wildcard URL required to access the Bloomberg Lab for Desktop Platform and the Bloomberg Lab Help Center	Egress (Outbound)



In addition, the following HTTP request methods must be allowed:

- GET
- HEAD
- POST
- PUT
- DELETE
- CONNECT (Used by browser to make connections to your internal proxy only)
- OPTIONS
- TRACE
- PATCH

Bloomberg Lab for Desktop also relies on your network’s ability to allow WebSockets and HTTP cookies from Bloomberg. Firewalls and similar endpoint protection software must not display intermediary warning pages before visiting Bloomberg Lab for Desktop in your browser.

For Bloomberg Lab for Enterprise, your system administrator must also configure your network to allow the following domains:

URL	Port	Purpose	Direction
<CLUSTER_SUBDOMAIN_NAME>.bloomberg-quant.com	HTTPS / 443	URL for external traffic to your cluster. The <CLUSTER_SUBDOMAIN_NAME> is randomized by default. Ask your technical account manager to supply you with this subdomain.	Egress (Outbound)
bssso.blpprofessional.com	HTTPS / 443	A single sign-on authentication mechanism to create secure connections to Bloomberg resources.	Egress (Outbound)
help.bquant.blpprofessional.com	HTTPS / 443	The Bloomberg Lab Center. This site includes product information, tutorials, API references, and other documentation for Bloomberg Lab.	Egress (Outbound)
service.blpprofessional.com	HTTPS / 443	The Customer Service Center for Bloomberg Enterprise products. You can use this to activate users’ data entitlement permissions .	Egress (Outbound)



