



ICE Connect Launcher System Requirements

November 2019

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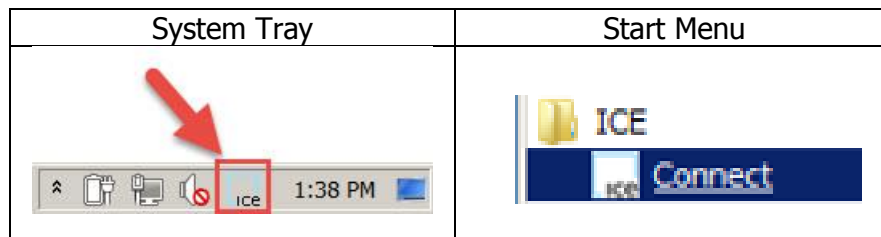
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1 Introduction

1.1 ICE Connect Launcher

ICE Connect Launcher is a “single-click logon” desktop application for the PC which streamlines the process of starting our various applications.

No action is required to install the client. Once the user account is enabled for ICE Connect Launcher, the app will passively install in the background upon a subsequent login. The next session it will appear in the System Tray or the Start Menu:



Once the application is running, users will be prompted to enter their credentials and then may subsequently “single-click” logon to any of our applications such as WebICE, ICE IM, QuoteBoard or ICE Connect.

1.2 ICE Instant Messaging

ICE Instant Messaging was designed specifically for the trading community, and is built to help users react to trade opportunities in real time with features including trade recognition logic, blast messages and a private marketplace directory. When run on a Windows PC, the application is launched using ICE Connect Launcher or by visiting our website and clicking on the “Login” button, then selecting the icon or ICE Instant Messaging from the dropdown menu and clicking on “Go.”

For Mac users, the application runs inside the Google Chrome browser from <https://iceim.theice.com>.

1.3 ICE Connect

ICE Connect brings together real-time market data, charting, analytics and news to help you better manage price and risk.

If using a leased line and using ICE Connect, please be aware that this application has special considerations for routing. Please reference the “Network Information” later in this document.

1.4 QuoteBoard

QuoteBoard is a platform designed to improve price transparency across global derivatives markets through the publication of ‘Indications of Interest’ (IOI) and accurate, transparent price dissemination with support for exotic strategies on single and multiple underlyings.

1.5 ICEXL

The ICEXL application allows integration with our QuoteBoard and Connect services to port data in real-time to Microsoft Excel™. It utilizes native Excel RTD calls and .NET to provide an efficient, responsive and integrated tool. From simple requests to complicated formulas and forward curves, ICEXL offers an easy and effective way to utilize our data in Excel.








1.6 ICE Options Analytics

ICE Options Analytics is an option pricing and risk management application that allows users to price many options spreads via a point and click GUI/interface. The application calculates valuations and Greeks for markets and is customizable GUI for user to setup as need.

1.7 ICE Identifier Admin

ICE's Identifier Admin is an application that allows for the creation of Short Codes for three of the MiFID II order attributes. In addition, the application allows for the creation of a Profile ID which is a single identifier for all seven of the MiFID II order attributes. The Profile is an optional order entry method for FIX and WebICE users (individual attributes can be submitted instead).

2 System Requirements

Application	Windows ≥7	.NET ≥4.5.2	ICE WebStart	Excel ≥2007	Visual Studio ≥10.0.4
ICE Connect Launcher 	✓	✓	✓		
ICE Instant Messaging 	✓*		✓		
Connect 			✓		
QuoteBoard 			✓		
ICEXL 	✓			✓	✓
ICE Options Analytics 	✓	✓	✓	✓**	
ICE Identifier Admin 	✓		✓		

* Mac users can launch via Google Chrome browser by visiting <https://iceim.theice.com>

** RTD users for IOA will need to have the latest version of the plug-in, found [here](#).

For WebICE system requirements and other related information, please visit:
https://www.theice.com/publicdocs/technology/WebICE_System_Specifications_Guide.pdf



3 Network Information

3.1 IP addressing

IP addresses and ports that must be accessible may be found in the ICE Firewall and Proxy Requirements document (<https://community.theice.com/docs/DOC-20002>) found on the ICE Community site. If you do not have an existing login to ICE Community, please use the "Don't have an account?" section on [ICE Community](#) to request one.

3.2 Network Connectivity Options

ICE Connect Launcher and ICE IM are available via the internet and leased line connections. The ICE Connect application is primarily available via the internet, contact our network team to explore other connectivity solutions: <https://www.theice.com/contact-us/connectivity>

3.3 Proxy Servers

Some customers may need to update their proxy configurations/rules for *.theice.com and add additional logic for *.dataservices.theice.com. Please refer to the ICE Firewall and Proxy Requirements document for specific DNS and IP address information for each application.

4 Anti-Virus Considerations

4.1 Installation locations

Installation files are created locally on the PC for our .NET applications in the following locations:

- %USERPROFILE%\AppData\Local\Apps\..
- %USERPROFILE%\AppData\Local\ICE Data Services\...
- %USERPROFILE%\AppData\Local\ICE\..
- %USERPROFILE%\AppData\Roaming\IceDesktopPlatform\..
- %USERPROFILE%\data\..
- %LocalAppData%\ICE\..

4.2 Executables Whitelisting

If your organization implements application whitelisting, the following executables, running from the installation locations noted above, will need permission to execute:

- ICE.Launcher.Client.ChromiumBrowser.exe
- ICE.Launcher.Client.exe
- ICE.Launcher.Client.IEBrowser.exe
- ICE.Launcher.Client.LogMoverAgent.exe
- ICE.Launcher.Client.RestartUtility.exe
- CefSharp.BrowserSubprocess.exe
- IceDesktopPlatformDC.exe
- IdpCefSharp.exe
- IDP.Starter.Host.exe
- ScreenModel.exe
- FSPublisher.exe



-
- ICE.exe
 - Electron.exe

5 Application Local Logging

5.1 ICE Connect Launcher

- %USERPROFILE%\AppData\Local\ICE\Connect\Logs

5.2 ICE Instant Messaging

- %USERPROFILE%\AppData\Roaming\IceDesktopPlatform\logs

5.3 ICE Connect

- %USERPROFILE%\AppData\Local\Temp\MarketQ_(#).log

5.4 QuoteBoard

- %USERPROFILE%\data

5.5 ICEXL

- %USERPROFILE%\AppData\Local\ICE Data Services\ICE XL\Log

5.6 ICE Options Analytics

- %USERPROFILE%\AppData\Local\ICE\OptionsAnalytics\Logs

5.7 ICE Identifier Admin

- %USERPROFILE%\AppData\Local\ICE\IIA\containerLogs