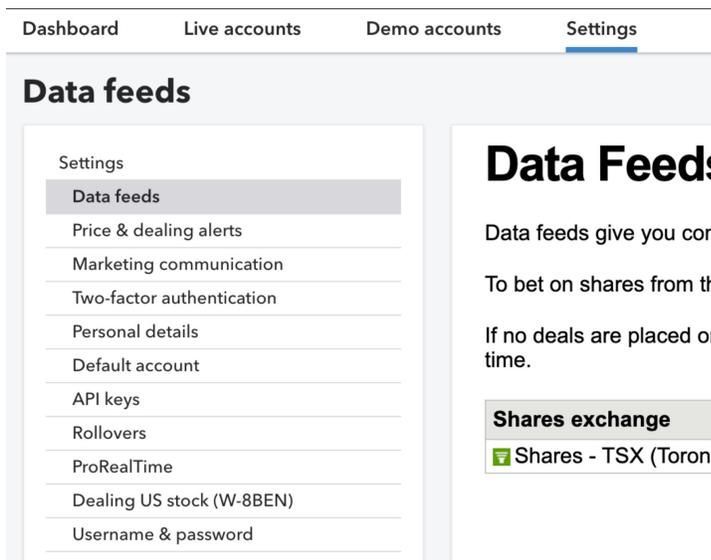


IG – Creating an API Key

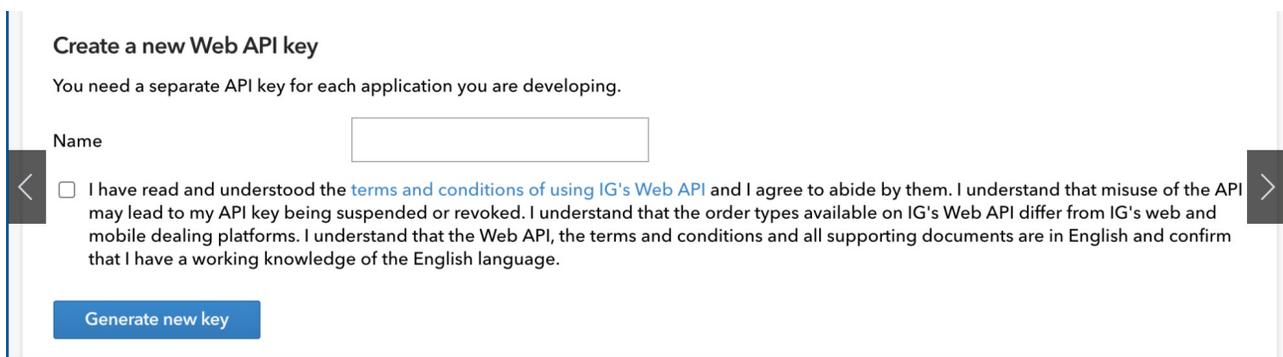
Customers who have an account with the IG Brokerage can connect Ensign 10 to the IG data feed. Ensign 10 can receive data for the Forex, stocks, futures and index symbols in their IG account. The connection requires an API key which is created by following these steps:

1. Log into the IG Web Platform
2. Go to 'My IG'
3. Go to 'Settings'



The screenshot shows the IG Web Platform interface. At the top, there is a navigation bar with links for 'Dashboard', 'Live accounts', 'Demo accounts', and 'Settings'. The 'Settings' link is highlighted. Below the navigation bar, the 'Data feeds' section is visible. On the left, there is a sidebar menu with 'Data feeds' selected. The main content area shows the 'Data Feeds' title and a list of data feeds under the 'Shares exchange' category, including 'Shares - TSX (Toron'.

4. Select API Keys on the left side menu
5. Create a 'Name' for the API Key (select the correct account - demo or live).
Click the 'Generate new key' button.



The screenshot shows the 'Create a new Web API key' form. The title is 'Create a new Web API key'. Below the title, there is a message: 'You need a separate API key for each application you are developing.' There is a text input field labeled 'Name'. Below the input field, there is a checkbox with the following text: 'I have read and understood the [terms and conditions of using IG's Web API](#) and I agree to abide by them. I understand that misuse of the API may lead to my API key being suspended or revoked. I understand that the order types available on IG's Web API differ from IG's web and mobile dealing platforms. I understand that the Web API, the terms and conditions and all supporting documents are in English and confirm that I have a working knowledge of the English language.' At the bottom of the form, there is a blue button labeled 'Generate new key'.

6. Make sure it appears in the list above and is enabled.

DST December 2019

Enabled
 Disabled

Setup Ensign 10

Open the Setup | Feeds form in Ensign 10 and select IG Markets Direct on the Vendor list.

The screenshot shows the 'Setup Vendor Feeds' window in Ensign 10. The title bar reads 'Setup Vendor Feeds - Ensign 10 version 07-09-20'. The interface is divided into three main sections:

- Vendor List (Left):** A list of vendors including FXCM, Interactive Brokers, eSignal, TransAct Futures, IQFeed, TraderBytes, Barchart, Ninja Trader, Mirus Futures, IG Markets Direct (highlighted), TD Ameritrade, Cannon Trading, UK Daily Data, TradePortal Futures, Zaner Group, Ensign Internet, and Ensign Playback.
- Configuration (Center):** Titled 'IG Markets, Direct', it contains several checkboxes: Connect, Auto Connect, Beep on Connect, Warn on 'No Feed' (try to reconnect), Email on 'No Feed', and Show Inverse Pair. Below these are input fields for 'User ID' (masked with dots), 'Password' (masked with dots and a show/hide toggle), and 'API Key' (containing 'd8f4da3ce108c8bd97'). A 'Log-in Mode' dropdown menu is set to 'Demo Feed'.
- Symbol List (Right):** A text area containing two symbols: 'IX.D.SPTRD.DAILY.IP=SPX50' and 'US.D.EURUSD.TODAY.IP=EUR/'. A red arrow points to the top right corner of this area. Above the list are the labels 'Symbol List' and a checked 'Show Epics List' checkbox. At the bottom of the list are page navigation buttons numbered 1 through 8.

Enter your IG User ID, Password, and the newly created API Key in the edit fields.

Symbols are entered using IG's Epics. Check the box on the top of the Symbol list, and enter IG Epics followed by an '=' character and the symbol to use in Ensign 10. Two examples show in the image above.

Example Epics with Ensign 10 symbols:

IX.D.SPTRD.DAILY.IP=SPX500

CS.D.EURUSD.TODAY.IP=EUR/USD

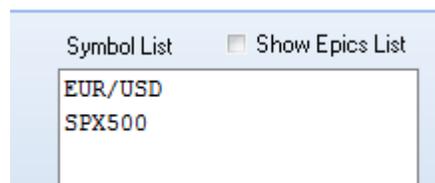
Two Kinds of Accounts

IG has two kinds of accounts, and each uses a different symbol format. Use the format that matches your account type. Note the difference in the example formats for these account types:

Spreadbet Format: CS.D.EURUSD.TODAY.IP=EUR/USD

CFD Format: CS.D.EURUSD.CFD.IP=EUR/USD

Ensign 10 symbols are extracted from the Epics entry and show on the symbol list when the Show Epics List is unchecked. The Epics can be shown again by checking the Show Epics List box.



It is recommended that the Ensign 10 symbols assigned to the IG Epics be Barchart symbols so that the charts can be refreshed from Barchart.

Additional information on how to get started with IG and generating an API Key is available on IG's web site. Click this link: <https://labs.ig.com/gettingstarted>