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Introduction

'Interactive Brokers' is a huge international broker that allows you to trade financial instruments such as stock, options and currencies.

Interactive Brokers opens up their platform to smaller broker, like Lynx or Mexem. If you log into the 'Account Management' pages of one of those smaller brokers, you're basically just forwarded to the 'Account Management' page of Interactive Brokers, but with a different logo and possibly a different language.

The instructions in this document and the screenshots provided are mostly targeted towards the website of Interactive Brokers, but they should work just as well if you have an account at Lynx or Mexem.

From the Interactive Brokers website, you can export data from your account using a so-called 'Flex Query'. The first time this takes a bit more work, since you have to create the Flex Query first. But after that you can keep reusing the same Flex Query to export data over and over again.

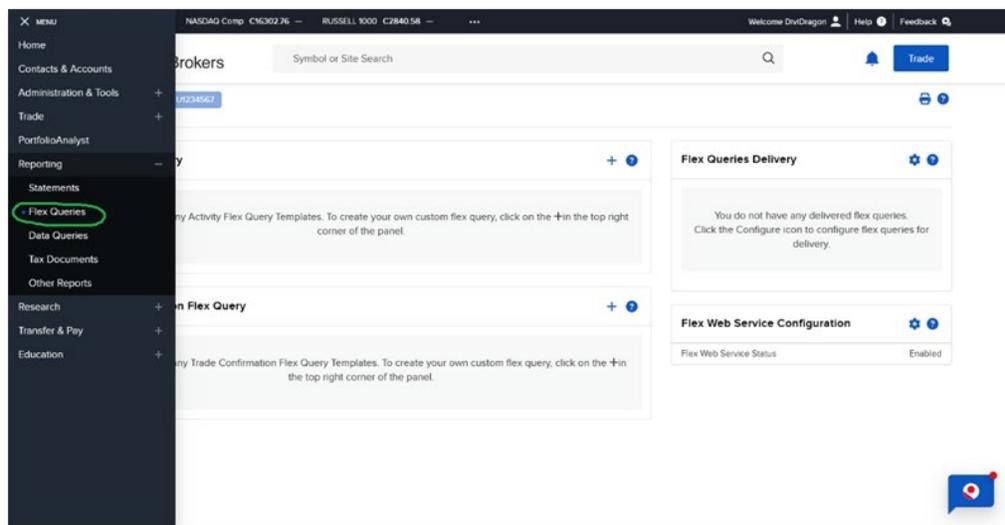
Creating a Flex Query (only required the first time)

Log into the 'Account Management' website of your broker:

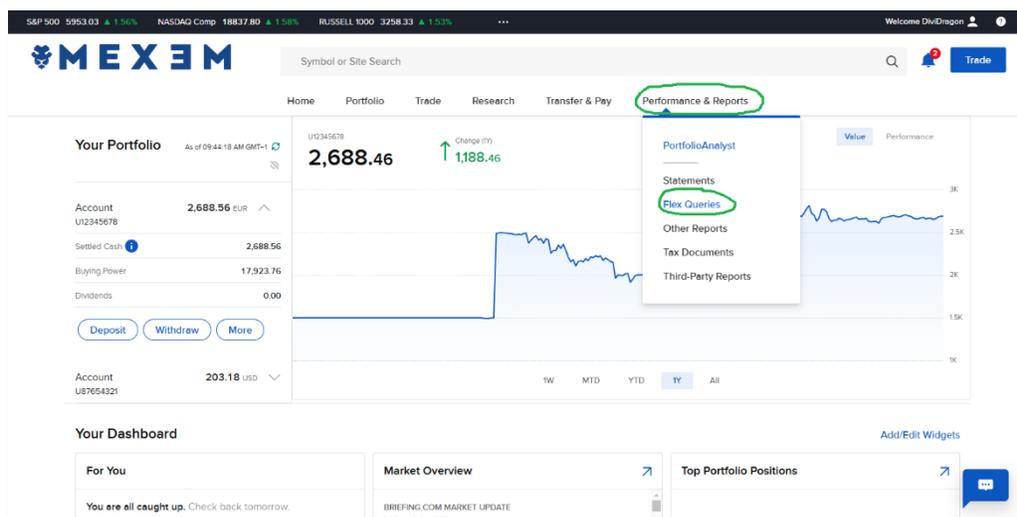
- For Interactive Brokers, visit <https://www.interactivebrokers.co.uk> and choose 'Log In' -> 'Portal Login'.
- For Lynx, visit <https://www.lynx.nl> and choose 'Login' -> 'Account Management'.
- For Mexem, visit <https://nl.mexem.com> and choose 'Inloggen'.

Overall, the web application will look comparable everywhere. Depending on the broker, your personal choice for old style website or new style website and the selected language, things might look a bit different. But the same sections should be available everywhere.

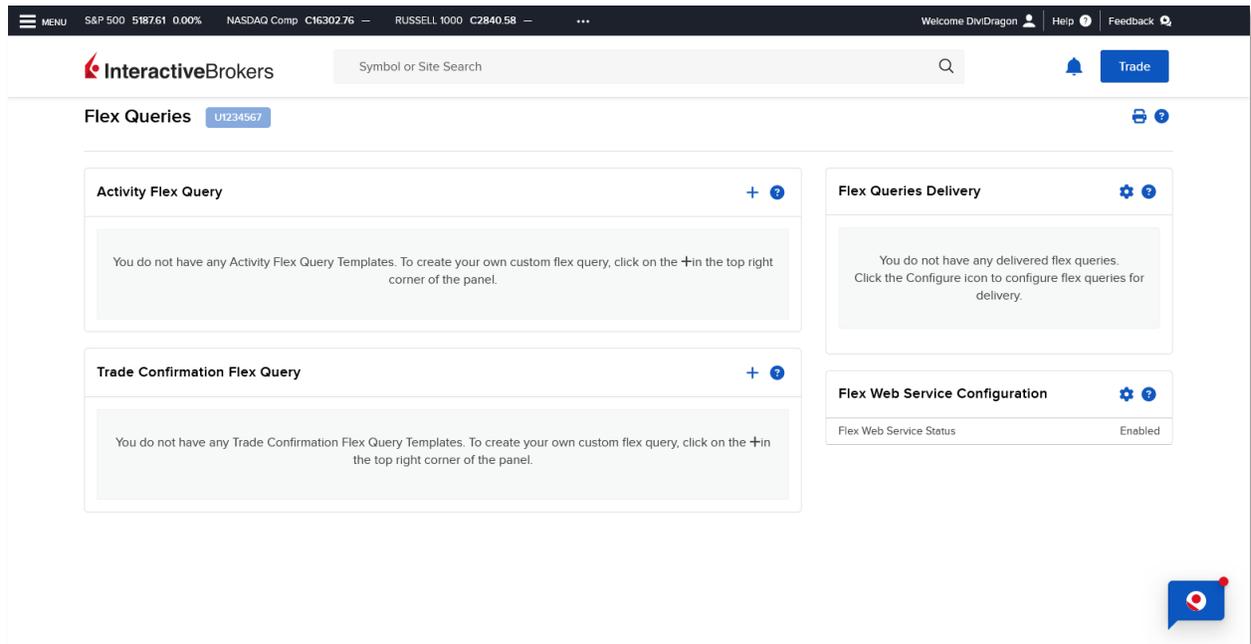
In the new style, you can visit 'Reporting' -> 'Flex Queries' from the main menu.



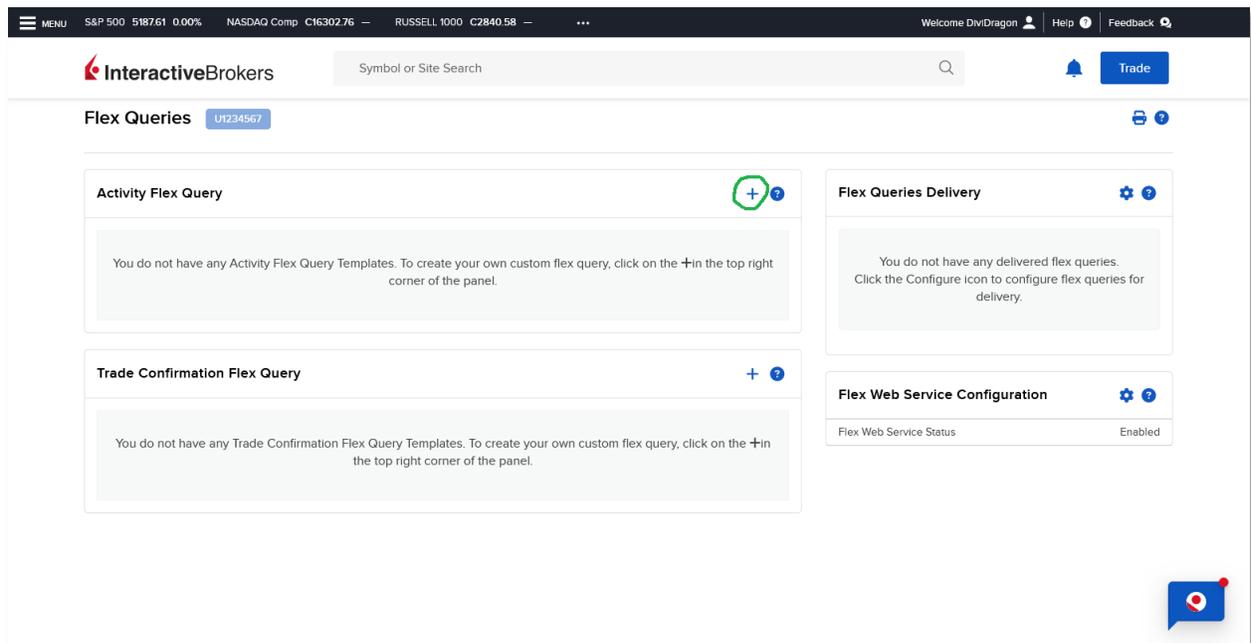
In the old style, you can go to 'Performance & Reports' -> 'Flex Queries'.



On this page, it is possible to create multiple Flex Queries for your own use.



We can create a new Flex Query for exporting data to DiviDragon. Simply click the little plus-icon:



You are now taken to a new page where you can create a new Flex Query. Let's start by giving the Flex Query a name. Let's call it 'DiviDragon', so it is always clear what this Flex Query is used for.

Create Activity Flex Query

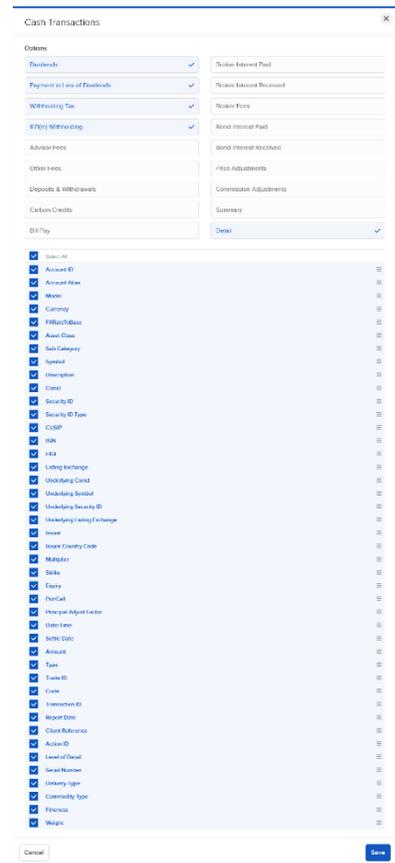
Activity Flex Query Details

Query Name

Below the Query name, you can select the 'Sections' you want to export. DiviDragon requires data from five sections:

1. Click **'Cash Transactions'**.
Make sure these 'Options' are selected:
 - Dividends
 - Payment in Lieu of Dividends
 - Withholding Tax
 - 871(m) Withholding
 - Detail

Then make sure you check 'Select All' to check all the boxes. Click 'Save'.



2. Click **'Option Exercises, Assignments and Expirations'**, check **'Select All'** to check all the boxes. Click **'Save'**:



3. Click **'Corporate Actions'**

Make sure these 'Options' are selected:

- Summary
- Detail

Then make sure you check 'Select All' to check all the boxes.

Click 'Save'.



4. Click **'Trades'**

Make sure these 'Options' are selected:

- Execution

Then make sure you check 'Select All' to check all the boxes.
Click 'Save'.



5. Click **'Transfers'**.

Make sure these 'Options' are selected:

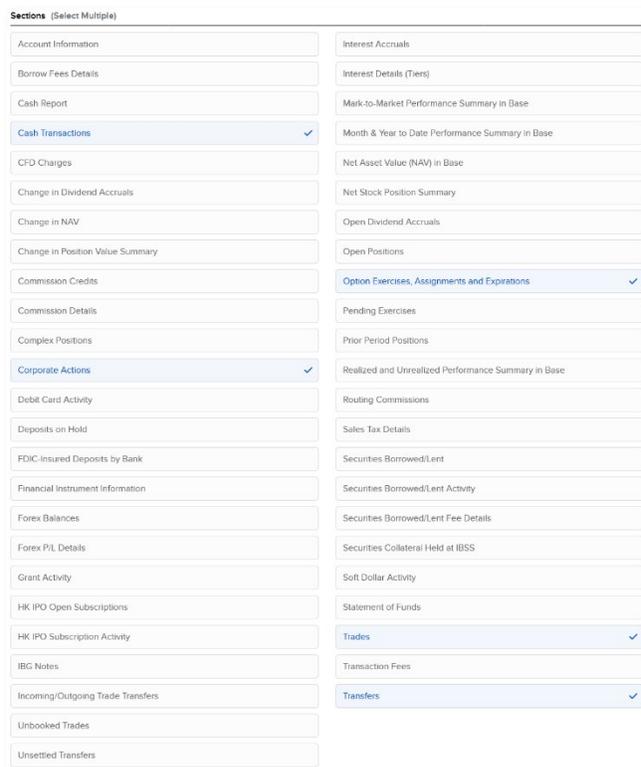
- Transfer

Then make sure you check 'Select All' to check all the boxes.

Click 'Save'.



When you're done, 5 'Sections' should be selected in the overview:



Under 'Delivery Configuration', make sure you select these settings:

Delivery Configuration (Applicable for Email, FTP and Flex Web Service)

Accounts	U1234567
Models	Optional
Format	XML
Period	Last 30 Calendar Days

Pay special attention to the format. This should be XML, as that is the only format DiviDragon will import.

 *If you have multiple (duplicate-)accounts, you can select every account here that you have also created in DiviDragon. This way DiviDragon can import transactions from all of those accounts at once.*

Delivery Configuration (Applicable for Email, FTP and Flex Web Service)

Accounts	U12345678, U87654321 <input type="button" value="Add/Edit Account(s)"/>
Models	Optional
Format	XML
Period	Last 30 Calendar Days

Under **'General Configuration'**, make sure you select these settings:

General Configuration

Date Format	<input type="text" value="yyyyMMdd"/>
Time Format	<input type="text" value="HHmmss"/>
Date/Time Separator	<input type="text" value="; (semi-colon)"/>
Profit and Loss	<input type="text" value="Default"/>
Include Canceled Trades?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Include Currency Rates?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Include Audit Trail Fields? i	<input type="radio"/> Yes <input checked="" type="radio"/> No
Display Account Alias in Place of Account ID?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Breakout by Day?	<input type="radio"/> Yes <input checked="" type="radio"/> No

Now you can click **'Continue'** at the bottom of the page. You'll be shown a confirmation page that displays all the choices you made.

At the bottom of the page, you can click the **'Create'** button. This will create the new Flex Query for you.

Activity Flex Query Saved

Your custom flex query titled DiviDragon, has been saved and can be accessed from the Flex Queries tab.

Click **'Ok'** to return to the Flex Query overview page. You'll notice the new Flex Query named 'DiviDragon' is now listed.

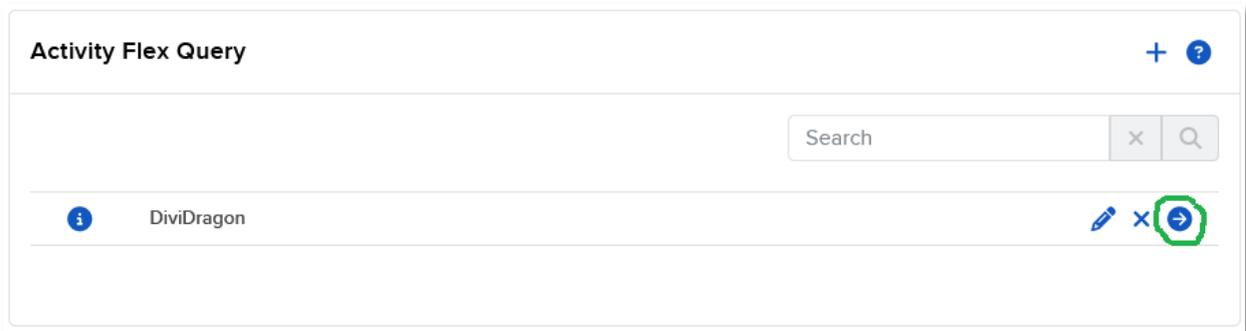
Activity Flex Query + ?

i	DiviDragon	<input type="button" value="edit"/> <input type="button" value="x"/> <input type="button" value="arrow"/>
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Exporting data

Now we have created the Flex Query, we can run it as often as we like on any time period we like. Running the Flex Query will create a report which can be imported into DiviDragon.

Let's start by logging into the 'Account Management' website of your broker, if you're not currently logged in already. Visit 'Reporting' -> 'Flex Queries'. Find the DiviDragon Flex Query you created earlier and click the little arrow:

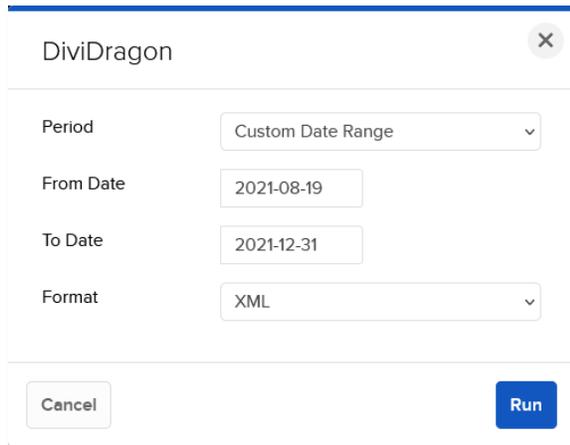


You can now select the period you want to export data for. It is good to know you can go back in time quite a long way, but Interactive Brokers allows a maximum of 365 days in a single report.

So, if you want to export multiple years, you'll have to create multiple reports. One for 2021, for example, and then one for 2022 and then one for 2023, and so on.

This way you can export a full history of many years and all export-files can be uploaded into DiviDragon one by one. We do recommend to upload those files from oldest to newest, so the 2021 file first, then the 2022 file and so on.

In this example, I choose to export a report for 2021:



The screenshot shows a dialog box titled "DiviDragon" with a close button (X) in the top right corner. It contains the following fields:

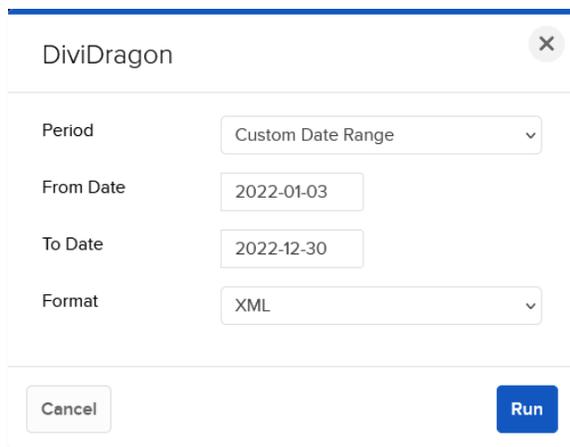
- Period: Custom Date Range (dropdown menu)
- From Date: 2021-08-19 (text input)
- To Date: 2021-12-31 (text input)
- Format: XML (dropdown menu)

At the bottom, there are two buttons: "Cancel" on the left and "Run" on the right.

This example account was opened in August of 2021 and we cannot select a day before the account was opened. Therefore the period will start at August 19th 2021 and ends at December 31st 2021. As soon as I click 'Run', the report will be created for me and a download is started.

If you have a lot of transactions, the download might not start immediately. A background process will run the Flex Query and once it is done, you can download the result. But for most people, the download will start immediately.

Once the export is finished, you can continue on to the next year:



The screenshot shows a dialog box titled "DiviDragon" with a close button (X) in the top right corner. It contains the following fields:

- Period: Custom Date Range (dropdown menu)
- From Date: 2022-01-03 (text input)
- To Date: 2022-12-30 (text input)
- Format: XML (dropdown menu)

At the bottom, there are two buttons: "Cancel" on the left and "Run" on the right.

In this case, January 3rd 2022 is the first date we can select, since only trading days can be selected. On weekends and holidays no transactions are processed, so you cannot select them.

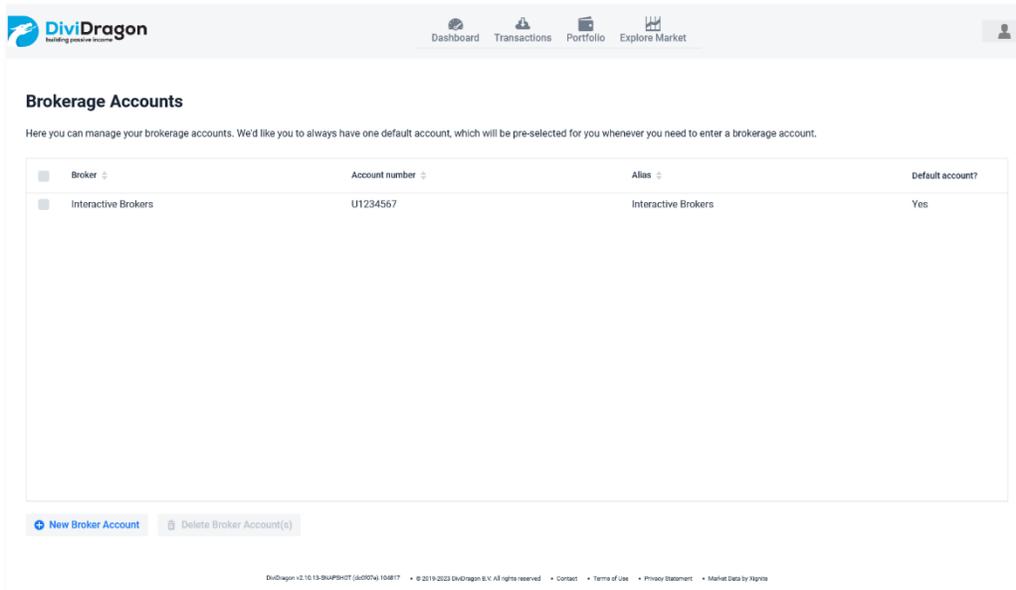
The same is true for December 31st 2022. This is on a Saturday. So therefore we select December 30th 2022 instead.

Now we can continue the same way to export the data for 2023 and beyond. But you can also reuse the very same Flex Query to download transactions for the last week for example in order to upload them into DiviDragon.

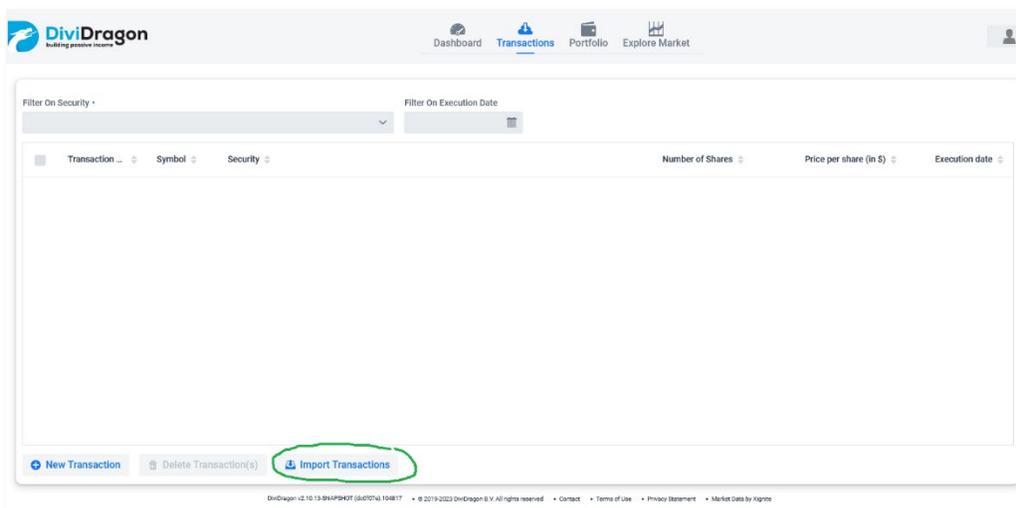
Importing data into DiviDragon

First of all, it is important to have your brokerage account configured in DiviDragon for the account number you want to import data for.

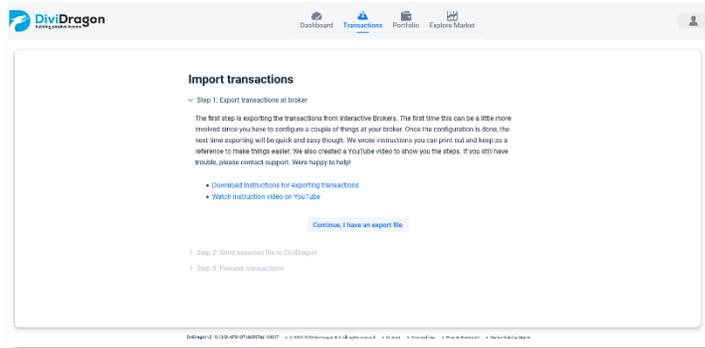
When you log into DiviDragon, you can visit your personal menu and then select 'Brokerage Accounts'. If all's well, you already have a broker here with the same account number as the one you just created export-files for from you brokers' website.



You can now visit the 'Transactions' tab and choose 'Import Transactions'.



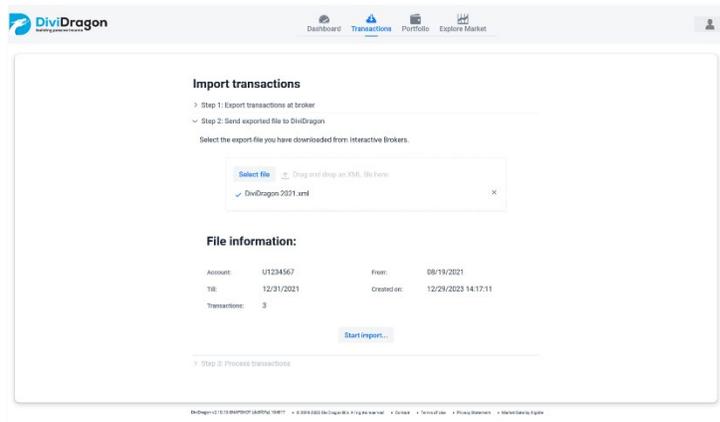
You'll be taken to the import-page. The first step provides some explanations as well as links to this manual and an instruction video on YouTube.



Once you followed the guidance in this manual, you should have export-files downloaded from your broker and available to upload into DiviDragon. So you can click 'Continue, I have an export file'.

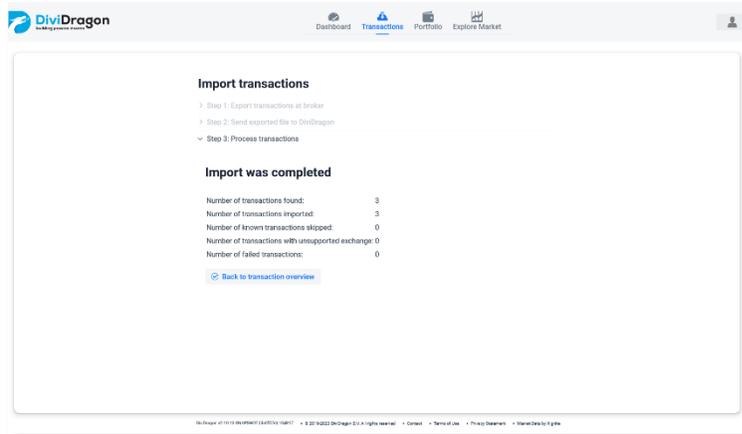
Now you are taken to step 2; here you can select the XML file you just downloaded from your broker using the Flex Query. Typically that file will have been downloaded into the 'Downloads' folder on your computer. So you can select it from there.

As soon as you selected the file, DiviDragon will display some information on the number of transactions that were found in the file and the account the file applies to.



If you're happy, you can continue the import process by clicking 'Start import...'

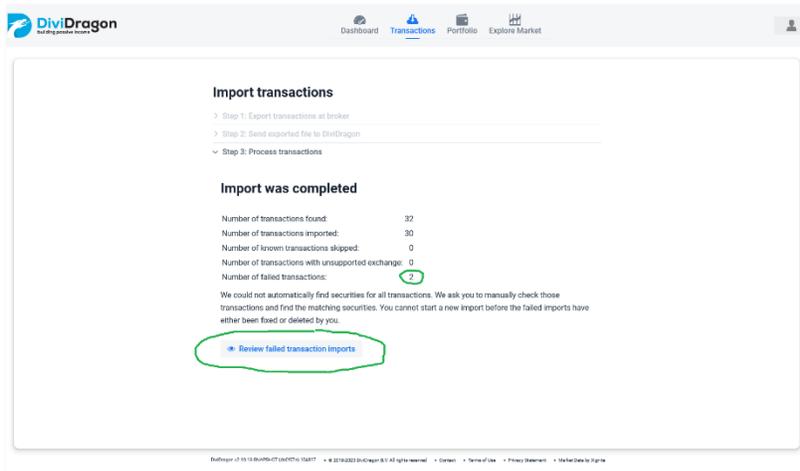
DiviDragon will now try and read the transactions from the file and add them to your portfolio. Once the import finishes, a short report is displayed.



Now you can click 'Back to transaction overview' to see the transactions that were just imported.

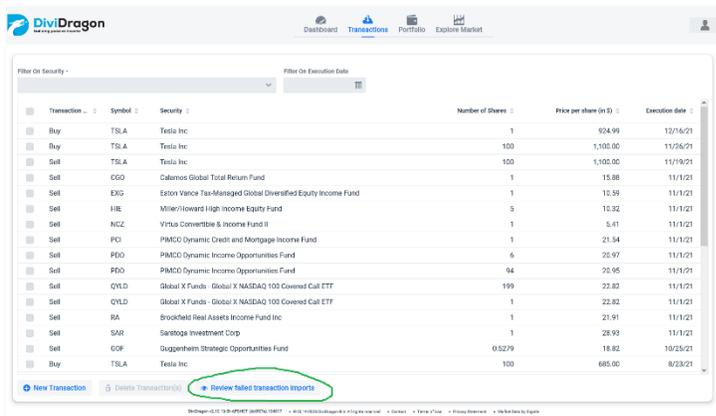
Fixing failed imports

Unfortunately, different brokers and different financial institutions sometimes use different ticker symbols for the same financial product. Therefore sometimes DiviDragon cannot know the exact financial product the broker 'means'. This means you might see a couple of errors in the report, such as shown below:

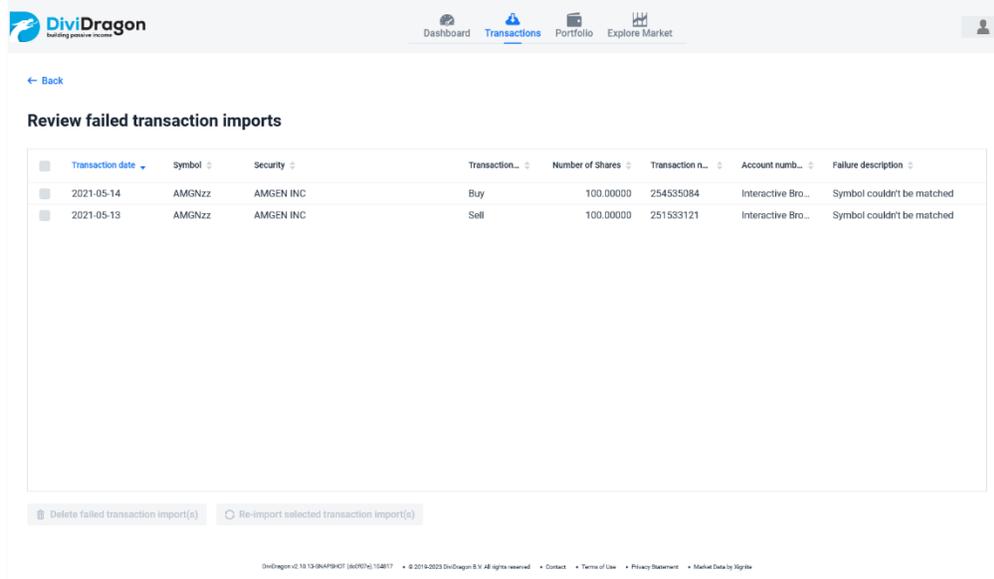


Basically, DiviDragon asks you to manually correct the failed transactions. You can do so by clicking 'Review failed transaction imports'.

If you don't do this, but instead navigate away, you will not be able to start a new import until you either fixed or deleted the failed transactions.

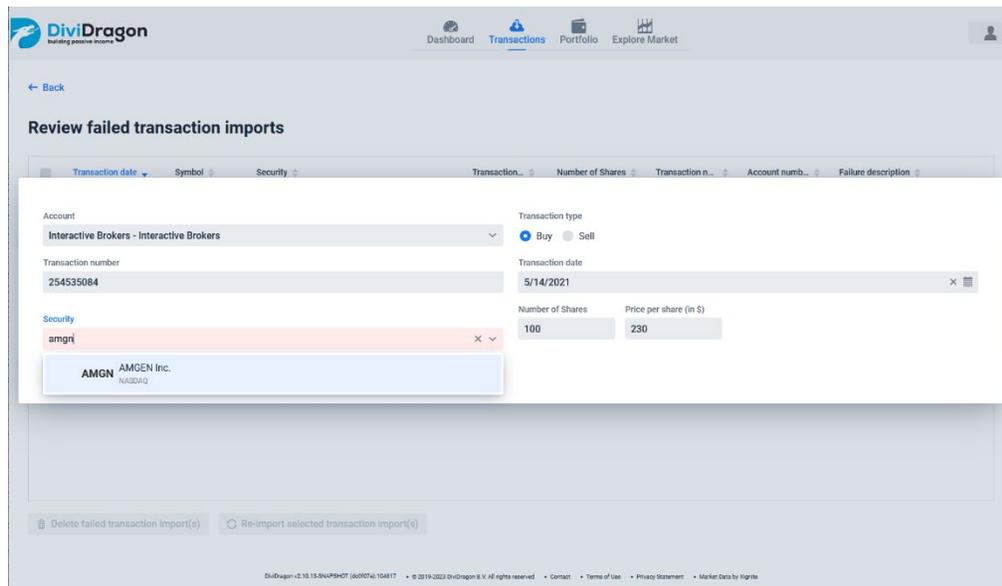


If you visit the ‘Review failed transaction imports’ page, you’ll get an overview of all transactions that could not be imported properly.



You have a choice here to either delete the failed transactions and not import them into DiviDragon, or you can click through them one by one and fix them manually.

If you click on a failed transaction import, DiviDragon displays the name and the symbol it received from the broker in the ‘Security’ field. You can click the little cross to clear the field and find a proper match.



After that you can click ‘Save changes’ to save the correction. DiviDragon will also remember the connection you just made, so on a next import-action it won’t bother you with this issue again.

Automatic import

DiviDragon can now automatically import the latest updates from your broker every night. This makes it much easier to keep your portfolio up-to-date with your broker.

NOTE: It is only possible to fetch data from a limited period of time. So this cannot be used to automatically download your entire history. You still need to perform the steps in this manual to get your initial portfolio into DiviDragon. But once that is done, DiviDragon can keep itself up-to-date and there is no longer any need for you to export the data from your broker every day or week and import it into DiviDragon.

To make this work, DiviDragon needs two things:

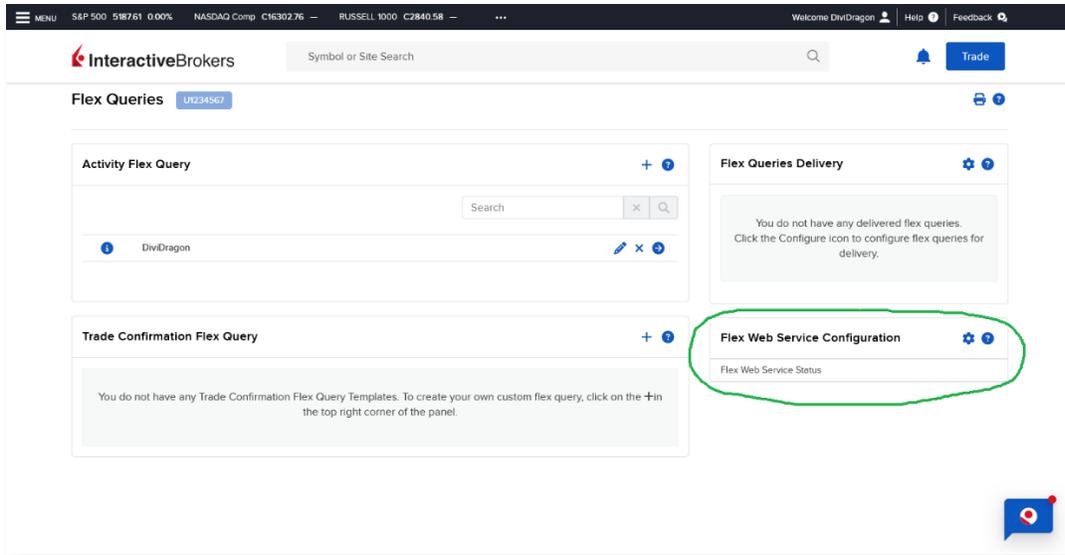
- A Flex Web Service Token

This is a special code that allows external applications to automatically run one of your Flex Queries at the broker on your behalf. A Token has a time limit of max. 1 year. After that, it expires and can no longer be used.

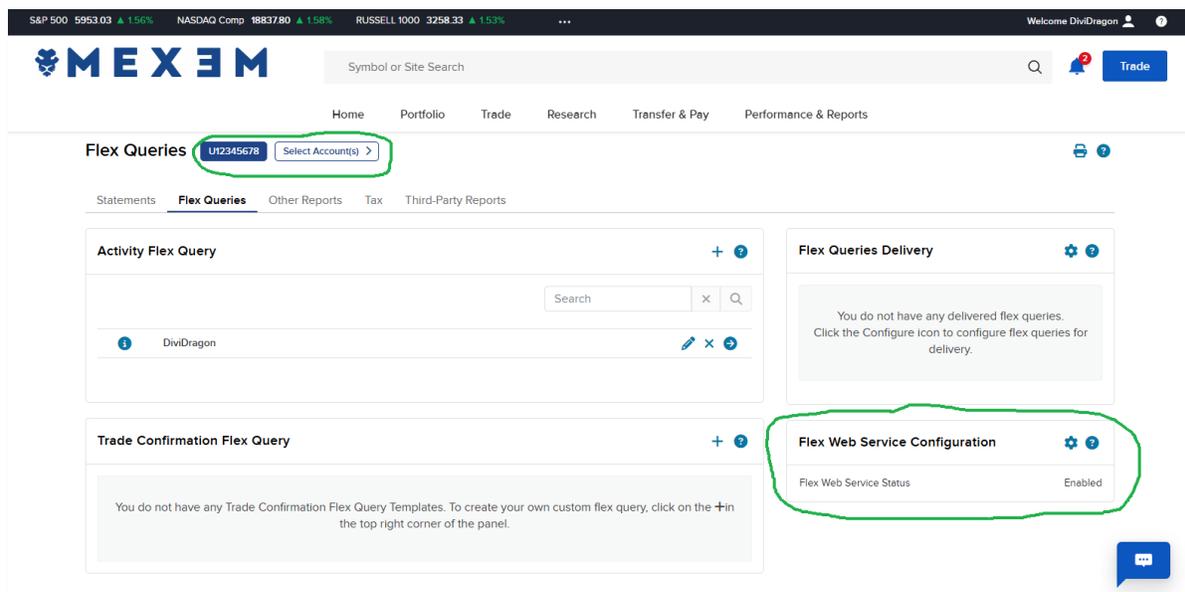
- A Query ID

Every Flex Query has its own unique identification code. This code can be used to execute the right Flex Query at the broker to fetch your data.

Let's start by creating a Flex Web Service Token. To do this, you need to log into the 'Account Management' page of your broker. Next, go to 'Reporting' -> 'Flex Queries'. On the righthand side at the bottom, you'll see 'Flex Web Service Configuration'. This is disabled by default.



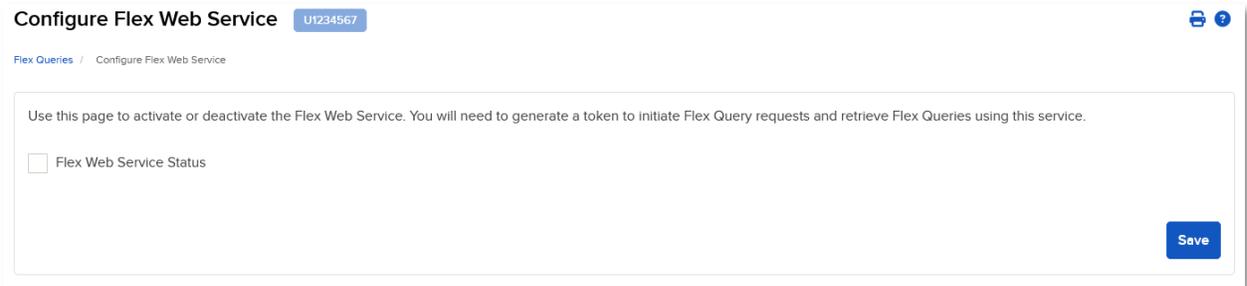
💡 If you have multiple (duplicate-)accounts, make sure you select the primary account. If you only have a secondary account selected, the section 'Flex Web Service Configuration' will not be available!



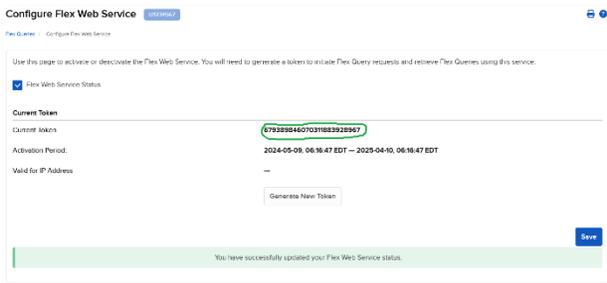
Now click the small configuration icon:



This page will now open:



Make sure you check the 'Flex Web Service Status' checkbox and click 'Save'. A token is generated for you immediately:



The value listed after 'Current Token' is very important. This code will allow applications, such as DiviDragon, to execute one of your Flex Queries on your behalf and download the resulting report.

Write this code down or copy it into a notepad on your computer. You will need to provide it to DiviDragon later on.

The 'Activation Period' shows when the Token is valid. After the end date/time is reached, the token expires and can no longer be used by DiviDragon or any other application.

Click 'Save' to accept the changes. The page will not always close properly we noticed. To go back to the Flex Queries page, you can click 'Flex Queries' on top of the page:



In the future, you can always use the button ‘Generate New Token’ to create a new Token. This will immediately destroy the old Token and any permissions linked to it. If you want DiviDragon to connect to the broker again, you will need to provide that new token code to DiviDragon. At any one time you can also uncheck ‘Flex Web Service Status’ to disable the web service and disallow any application to call your Flex Queries on your behalf. You have full control over this.

Configure Flex Web Service
U1234567
🔒 ⓘ

[Flex Queries](#) / [Configure Flex Web Service](#)

Use this page to activate or deactivate the Flex Web Service. You will need to generate a token to initiate Flex Query requests and retrieve Flex Queries using this service.

Flex Web Service Status

Generate New Token

Generating a new token will invalidate the current token.

Expire After

Valid for IP Address
Leave Blank for no IP-Based Restriction

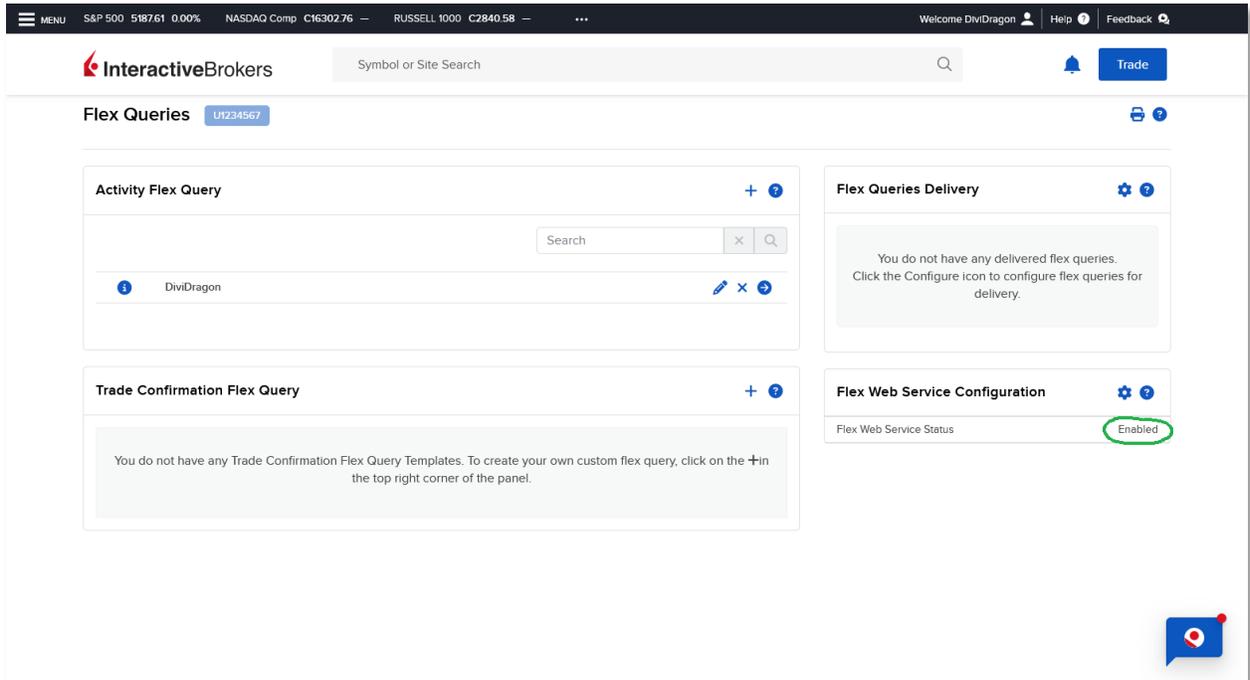
1 Year
▼

Optional

Generate New Token

Save

You'll notice now that the Flex Web Service has been enabled:

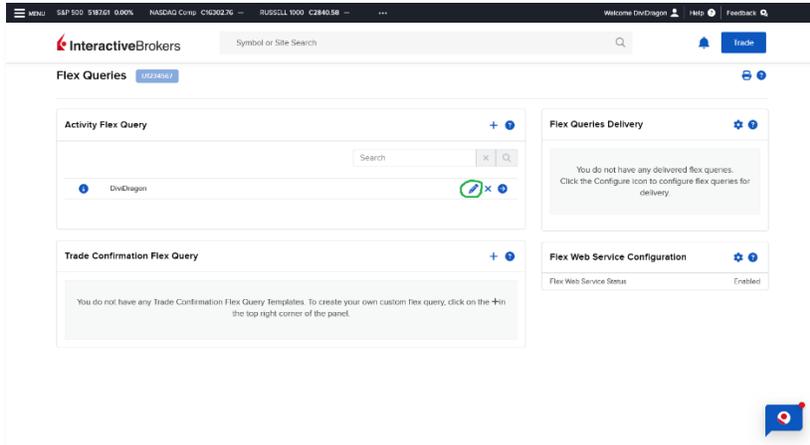


The screenshot shows the InteractiveBrokers Flex Queries interface. At the top, there's a navigation bar with market indices (S&P 500, NASDAQ Comp, RUSSELL 1000) and a 'Trade' button. Below this is the 'Flex Queries' section with a search bar and a 'Trade' button. The main content area is divided into four panels:

- Activity Flex Query:** Contains a search bar and a list item for 'DiviDragon' with edit and delete icons.
- Flex Queries Delivery:** A message stating 'You do not have any delivered flex queries. Click the Configure icon to configure flex queries for delivery.'
- Trade Confirmation Flex Query:** A message stating 'You do not have any Trade Confirmation Flex Query Templates. To create your own custom flex query, click on the + in the top right corner of the panel.'
- Flex Web Service Configuration:** Shows 'Flex Web Service Status' as 'Enabled', which is circled in green.

Okay, so we now have a Flex Web Service Token. Now we need the Query ID of the Flex Query DiviDragon needs to execute. For this we'll return to the page 'Reporting' -> 'Flex Queries' inside the website of your broker.

Now find the DiviDragon Flex Query we created earlier and click its little pencil-icon:

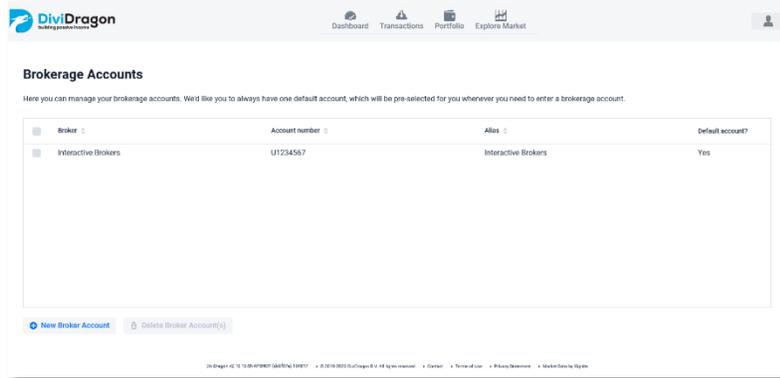


This allows you to edit the Flex Query. At the top of the page you'll see the Query ID for this Flex Query:

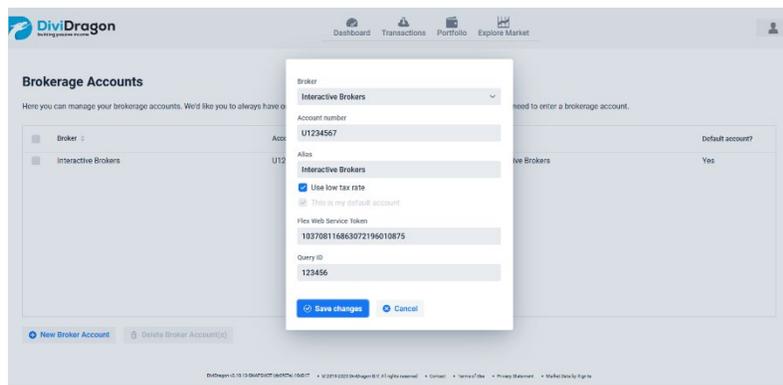


Write this Query ID down. Now we have everything we need to let DiviDragon automatically download transactions from your broker.

You can logout of your brokerage account and log into your DiviDragon account. Visit your personal menu -> 'Brokerage Accounts':



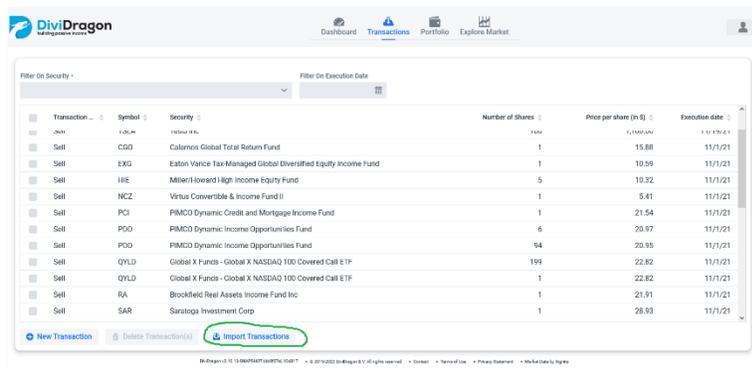
Click the Brokerage Account you want to update. If it is an account for Lynx, Mexem or Interactive Brokers, you should be able to enter a Flex Web Service Token and a Query ID:



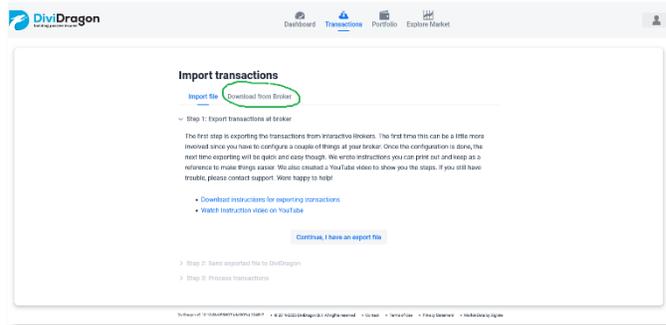
Enter the values you retrieved from your broker earlier and click 'Save changes'.

From now on, DiviDragon should be able to automatically download the transactions from your broker.

We can test this right away by trying to start a manual import from the 'Transactions' tab and clicking the button 'Import Transactions'.



A new option will now show up; you can directly download the latest transactions from your broker through DiviDragon:



If you click this link, DiviDragon will immediately try and download the latest transactions from your broker, without you having to log into your brokers' website or juggling files around. This process will also happen automatically each night. There's nothing you need to do anymore for this to happen.

Please note that Interactive Brokers processes the transactions from the trading day during the night. They will not show up in the Flex Query before they are processed. This means sometimes transactions might take one or two days before they show up in DiviDragon.

Also note that sometimes the web service from Interactive Brokers is less responsive, especially if they are under heavy load. If you see a download problem in DiviDragon, we advise you to try again later.

 *If you have multiple (duplicate-)accounts and you created a Flex Query that exports multiple accounts at once, then you only need to provide the Flex Web Service Token and Query ID to the primary account in DiviDragon. This is enough for the nightly process to import all transactions for all of those accounts.*
