

## Bloomberg Setup

### When

If you want to use Bloomberg as the source of FX rates, there is some initial setup needed. The steps below are only needed for the initial setup or when any of the elements change.

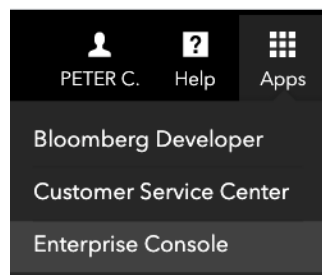
### Background

Bloomberg is available as a source of FX rates within the FXLoader Cloud Service, using the Bloomberg Hypermedia API (HAPI) web services.

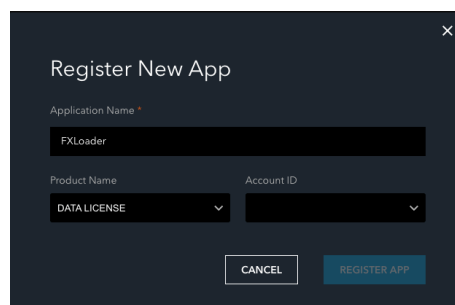
This requires some initial setup within the Bloomberg Enterprise Access Point (BEAP) and the FXLoader Cloud Service.

### Steps in Bloomberg Enterprise Access Point (BEAP)

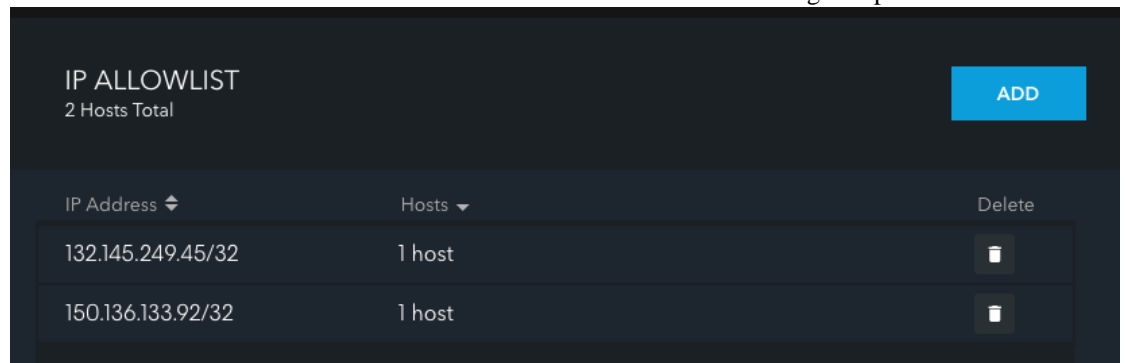
1. Check with Bloomberg that your license includes the Hypermedia API (HAPI) and that you have a BEAP login.
2. Log in to BEAP, using the Chrome browser is recommended, click on the Apps link and select Enterprise Console



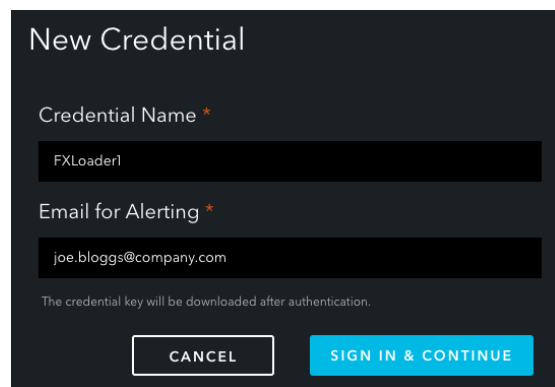
3. Click on REGISTER NEW APP and create an App called FXLoader, using Product DATA LICENSE and select your Account ID



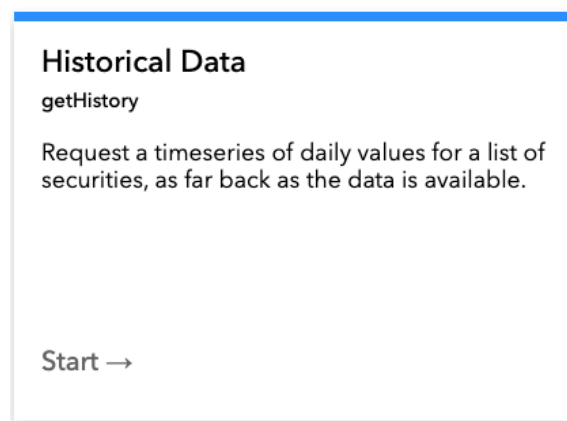
4. Click on the new FXLoader App and enter the IP addresses of the FXLoader Cloud Service Production and Test environments in the IP ALLOWLIST section. Contact FXLoader to check you have the latest IP addresses



5. Click ADD in the CREDENTIALS section and create a new set of credentials using a name such as FXLoader1 and an email address to be alerted when the credentials are about to expire (they last for 18 months).



6. This will prompt you to sign in to BEAP again, then ask you to save the downloaded file credential.txt. Save the file in a safe location, you will need the client\_id and client\_secret from the file.
7. Go back to the BEAP home page, click LAUNCH DATASET CREATOR and select Historical Data



8. Click Create New Universe, enter a name and description and just one Ticker as a placeholder, e.g. 'USDEUR Currency'. You don't need to specify the Tickers as these will be stored in FXLoader Currency Set and updated by each FXLoader Job. Note the Universe ID created.

### Historical Data Request

The gethistory request retrieves various historical data fields for the specified list of securities within the given date range. Security level

+ Select Universe      + Select Field List      + Set Trigger

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#### Create New Universe

unsaved universe  
 \_new  
 unsaved universe

Name \*

Universe ID \* ?

Description

ID Type:  ▼

Identifier (I):

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TICKER      USDEUR Curncy

9. Create extra Universes for each Currency Set you need in FXLoader.
10. Click Select Field List and then Create Field List. Enter a name and description and add fields pxBid, pxAsk and either pxMid or pxLast depending on which you want to use for mid rates. You only need to create one Field List.

### Historical Data Request

The gethistory request retrieves various historical data fields for the specified list of securities within the given date range. Security level overrides in the Universe will be implicitly ignored for this request.

+ Select Universe      + Select Field List      + Set Trigger      + Confirm Request

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#### Create New Field List

unsaved fieldList  
 \_new  
 unsaved fieldList

Name \*

Field List ID \* ?

Description

Clean Names (4)	Title	Mnemonic	DL Category
Enter a Bloomberg field clean name, mnemonic, or IRI			
pxBid	Bid Price	PX_BID	Pricing - Intraday
pxAsk	Ask Price	PX_ASK	Pricing - Intraday
pxMid	Mid Price	PX_MID	Pricing - Intraday
pxLast	Last Price	PX_LAST	Pricing - Intraday

11. After saving the Universe(s) and Field List, there is no need to actually submit the Historical Request.

## Steps in FXLoader Cloud Service

1. Log in to the FXLoader Cloud Service, click on Subscriptions on the menu, click on the Start Date of your subscription, then click on Bloomberg HAPI source.
2. Enter the following fields:
  - API Key: enter the Client Secret from the credentials.txt file downloaded above
  - Username: enter your Bloomberg account number (DL number)
  - Password: enter the Client ID from the credentials.txt file downloaded above
  - Bloomberg Field List: enter the ID of the Field List created above

Source Access

API Key <sup>?</sup> g8je736352gdejke83h64hj484hij458585686f	Username <sup>?</sup> 123456	Password <sup>?</sup> if rates service requires	Bloomberg Field List <sup>*</sup> <sup>?</sup> fxLoaderFields
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3. Click on Currencies on the menu, click on the Currency Set used in a Bloomberg run and enter the Universe ID created above in the Bloomberg Universe field

[Home](#) / [Currency Sets](#) /

## Currencies

Currency Set <sup>*</sup> <sup>?</sup> Bloomberg	Set Type <sup>*</sup> <sup>?</sup> Pair	Enabled <sup>*</sup> <sup>?</sup> Yes <input type="button" value="v"/>
Bloomberg Universe <sup>?</sup> fxIMarketRates	Used In Code <sup>*</sup> <sup>?</sup> No <input type="button" value="v"/>	

Repeat for each Currency Set used with Bloomberg.