

Twitter Integration (Informatica)

First connect to rapid api – twitter (by omarmhamidat):

The screenshot shows the RapidAPI interface for the 'Twitter v24' API. The left sidebar lists endpoints under 'GET Search' and 'GET Tweet'. The main panel is for the 'GET Tweet Detail & Conversation' endpoint. It includes a 'Personal Account' dropdown, a 'RapidAPI App' dropdown, and a 'Request URL' dropdown. Below these are 'Header Parameters' for 'X-RapidAPI-Key' and 'X-RapidAPI-Host'. The right panel shows a 'Code Snippets' tab with a Node.js Axios example.

```
const axios = require('axios');

const options = {
  method: 'GET',
  url: 'https://twitter-v24.p.rapidapi.com/tweet/details',
  params: {
    tweet_id: '1299530165463199747'
  },
  headers: {
    'X-RapidAPI-Key': '908970956emshf2e85daacbf18dp1603f4jsn261d75a5e680',
    'X-RapidAPI-Host': 'twitter-v24.p.rapidapi.com'
  }
};


try {
  const response = await axios.request(options);
  console.log(response.data);
} catch (error) {
  console.error(error);
}
```

Get the URL and the header details to be used in creating the swagger_file:


The screenshot shows the 'Create a swagger file' interface. It includes a 'Swagger File Details' section with the following information:

Field	Value
Name	twitter_swagger_file
Description	
Runtime Environment	DESKTOP-65JNNNSN
URL	https://twitter-v24.p.rapidapi.com
Verb	GET
Authentication Type	None
API Base Path	/tweet
API Path	/details?tweet_id=1707864159784927270
Username	
Password	
Token	
Token Secret	
Consumer Key	
Consumer Secret	
Accept	application/json
Headers	{ "X-RapidAPI-Key": "908970956emshf2e85daacbf18dp1603f4jsn261d75a5e680", "X-RapidAPI-Host": "twitter-v24.p.rapidapi.com" }
Query Params	
Operation Id	tweets
Content Type	application/json
Raw Body	


and download the tweets.json

 Swagger Files

Generate a Swagger definition file for a REST-based service.

Actions	Name▲	Swagger JSON File
	twitter_swagger_file	tweets.json

Setup the twitter connection through REST V2

 Twitter Connection

Connection Details

Connection Name: *

twitter Connection

Description:

Type: ?

REST V2 (Informatica) ▼

REST V2 Connection Properties ?

Runtime Environment: * ?

DESKTOP-65JNNSN ▼

Authentication: * ?

Standard ▼

Standard Connection Properties ?

Authentication Type:

NONE ▼

Auth User ID:

Auth Password:

OAuth Consumer Key:

OAuth Consumer Secret:

OAuth Token:

OAuth Token Secret:

Swagger File Path: * ?

C:\Users\varino\Desktop\tweets.json

TrustStore File Path: ?

TrustStore Password: ?

KeyStore File Path: ?

KeyStore Password: ?

Proxy Type: ?

Platform Proxy ▼

Proxy Configuration: ?

<host>:<port>

Advanced Fields: ?

Create a business service to be used in the web service transformation

The screenshot shows the Informatica Data Integration console. On the left is a navigation pane with options: New..., Home, Explore, Bundles, My Jobs, and My Import/Export... The main area displays the configuration for a business service named 'Twitter_Task'. Under 'Business Service Details', the 'Name' is 'Twitter_Task', 'Location' is 'Default', and 'Connection' is 'Twitter Connection'. Below this is a 'Select Operation' button. The 'Operations' section shows a table with one operation named 'tweets'.

Delete	Name	Origin Name	Description
<input type="checkbox"/>	tweets	tweets	Configure...

Make a txt file with the header information to be used as the data object

The screenshot shows a text editor window with the file 'connection.txt'. The content of the file is as follows:

```
X-RapidAPI-Key,X-RapidAPI-Host
908970956emshf2e85daacbf18dp1603f4jsn261d75a5e680,twitter-v24.p.rapidapi.com
```

The screenshot shows the Informatica Data Integration console with a 'Data Preview' dialog box open. The dialog displays the connection 'SRC_EMP' and object 'connection.txt'. It shows the API key and host information from the text file. The 'Details' section of the console shows the source configuration: 'SRC_EMP (Flat File)', 'Single Object', and 'connection.txt'.

Data Preview

Connection: SRC_EMP Object: connection.txt

X_RapidAPI_Key	X_RapidAPI_Host
908970956emshf2e85daacbf18dp1603f4jsn261d75a5e680	twitter-v24.p.rapidapi.com

☐ Display source fields in alphabetical order

Formatting Options... Done

Details

Connection: SRC_EMP (Flat File) View... New Connection... New Parameter...

Source Type: Single Object

Object: connection.txt Select... Formatting Options... Preview Data...

This is the twitter_mapping:

Twitter_Task | Valid

Design

Properties | Preview | WebServices

General

Business Service: Default\Twitter_Task Select...

Operation: tweets

Advanced

Incoming Fields

Web Service

Request Mapping

Response Mapping

Output Fields

Advanced

Request mapping between the connection.txt and the web service

Design

Properties | Preview | WebServices

General

Incoming Fields

Web Service

Request Mapping

Response Mapping

Output Fields

Advanced

Map Incoming Fields to elements of Request Structure to form web service request.

Field	Key
Source	
✓ X_RapidAPI_Key	
✓ X_RapidAPI_Host	

Request Structure

Field	Key
root*	
✓ X-RapidAPI-Host (Source_X_RapidAPI_Host)	
✓ X-RapidAPI-Key (Source_X_RapidAPI_Key)	

Select in the response mapping what we want to get from the JSON file:

Design

Source → WebServices → Target

Properties | Preview | **WebServices**

General

Select elements of Response to be mapped to Output Fields. Output groups and keys will be automatically generated.

Response Structure (5 of 350 mapped)

Show Fields: All Find

Element Name	Cardinality
root	1-1
Response_200	0-1
tweets_Response_Headers_	0-1
tweets_Response_Cookies_	0-1

Output Fields

Format: Relational Find

Field Name	Actions	Mapped Field
errorCode		/errorCode
errorMessage		/errorMessage
entries		/root/Response_200/data/threaded_conversation_with_injections_v2/instructions
favorite_count		/content/itemContent/tweet_results/result/legacy/favorite_count
full_text		/content/itemContent/tweet_results/result/legacy/full_text
retweet_count		/content/itemContent/tweet_results/result/legacy/retweet_count
id_str		/content/itemContent/tweet_results/result/legacy/id_str
user_id_str		/content/itemContent/tweet_results/result/legacy/user_id_str

And in the target we map the fields from the response to our csv file:

Twitter_Task | Valid

Save Run

Design

Source → WebServices → Target

Properties | Preview | **Target**

General

Field map options: Manual Options

Incoming Fields: (5 of 7 mapped)

Find

Field Name
favorite_count
full_text
retweet_count
id_str
user_id_str
X_RapidAPI_Key
X_RapidAPI_Host

Target Fields: (5 of 5 mapped)

Find Automap

Field Name	Mapped Field
user_id	user_id_str
tweet_id	id_str
favourite_count	favorite_count
full_text	full_text
retweet_count	retweet_count

SRC_Tweet (https://twitter.com/elonmusk/status/1707864159784927270):

X

Home

Explore

Notifications

Messages

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Communities

← Post

X

Elon Musk

@elonmusk

Subscribe

Newspapers basically just report on what they read yesterday on X lmao

12:05 AM · Sep 30, 2023 · 28.7M Views

13.7K

28.8

265K

1,197

Post your reply

Reply

TGT_CSV_Tweets:

	A	B	C	D	E
1	user_id	tweet_id	favourite_count	full_text	retweet_count
2	44196397	1.71E+18	265935	Newspapers basically just report on what they read yesterday on X lmao	28836
3					
4					
5					
6					