

Walkthrough 1-1: Explore an API directory and an API portal

In this walkthrough, you locate and explore documentation about APIs. You will:

- Browse the ProgrammableWeb API directory.
- Explore the API reference for an API (like Twitter).
- Explore the API portal for an API to be used in the course.

The image shows two side-by-side screenshots. The left screenshot is the ProgrammableWeb API directory homepage. It features a search bar with the text 'Search Over 19,516 APIs' and a 'SEARCH APIS' button. Below the search bar is a table of API listings. The right screenshot is the American Flights API portal on MuleSoft. It shows the API summary, request details, and parameters.

API Name	Description	Category	Submitted
Google Maps	[This API is no longer available. Google Maps' services have been split into multiple APIs, including the Static Maps API .	Mapping	12.05.2005
Twitter	[This API is no longer available. It has been split into multiple APIs, including the Twitter Ads API , Twitter Search Tweets...	Social	12.08.2006

American Flights API v2
★★★★★ (0 reviews)

API summary

> Types

▼ Resources

▼ /flights

GET

POST

▼ /{ID}

GET

DELETE

PUT

API instances

/{ID} : get

Request

GET /flights/{ID}

Parameters

Parameter	Type	Description
URI parameters		
ID (required)	string	

Browse the ProgrammableWeb API directory

1. In a web browser, navigate to <http://www.programmableweb.com/>.
2. Click the API directory link.

The image shows a screenshot of the ProgrammableWeb API directory homepage in a web browser. The browser address bar shows 'www.programmableweb.com'. The page features a search bar with the text 'Search over 15,047 APIs and much more'. Below the search bar is a navigation menu with links to API UNIVERSITY, RESEARCH, SPORTS, SECURITY, TRAVEL, and DESIGN. There is also a button labeled 'ADD APIS & MORE'. The main content area features a large image of a map with a location pin and a sidebar with an advertisement for MuleSoft.

ProgrammableWeb

API NEWS

API DIRECTORY

Search over 15,047 APIs and much more

API UNIVERSITY

RESEARCH

SPORTS

SECURITY

TRAVEL

DESIGN

ADD APIS & MORE


Advertisement

MuleSoft

Build a better API strategy


A 7 step blueprint for success

3. Browse the list of popular APIs.

<div>  LEARN ABOUT APIS WHAT IS AN API ? API NEWS API DIRECTORY </div>			
API Name	Description	Category	Submitted
Google Maps	[This API is no longer available. Google Maps' services have been split into multiple APIs, including the Static Maps API ,	Mapping	12.05.2005
Twitter	[This API is no longer available. It has been split into multiple APIs, including the Twitter Ads API , Twitter Search Tweets...	Social	12.08.2006
YouTube	The Data API allows users to integrate their program with YouTube and allow it to perform many of the operations available on the website. It provides the capability to search for videos, retrieve...	Video	02.08.2006
Flickr	The Flickr API can be used to retrieve photos from the Flickr photo sharing service using a variety of feeds - public photos and videos, favorites, friends, group pools, discussions, and more. The...	Photos	09.04.2005
Facebook	[This API is no longer available. Its functions have been split	Social	08.16.2006

Explore the API reference for the Twitter API

- Click the link for the Twitter API (or some other) API.
- In the Specs section, click the API Portal / Home Page link.



Social

Blogging

[This API is no longer available. It has been split into multiple APIs, including the [Twitter Ads API](#), [Twitter Search Tweets API](#), and [Twitter Direct Message API](#).

This profile is maintained for historical, research, and reference purposes only.]

The Twitter micro-blogging service includes two RESTful APIs. The Twitter REST API methods allow developers to access core Twitter data. This includes update timelines, status data, and user information. The Search API methods give developers methods to interact with Twitter Search and trends data. The API presently supports the following data formats: XML, JSON, and the RSS and Atom syndication formats, with some methods only accepting a subset of these formats.

Summary	SDKs (72)	Articles (267)	How To (11)	Sample Source Code (25)	Libraries (38)	Developers (820)	Followers (1919)	Comments (4)
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SPECS

API Endpoint	http://twitter.com/statuses/
API Portal / Home Page	https://dev.twitter.com/rest/public
Primary Category	Social

- In the new browser tab that opens, click Tweets in the left-side navigation.
- In the left-side navigation, click Post, retrieve and engage with Tweets.

The screenshot shows the Twitter API documentation page. The left sidebar contains a search bar and a navigation menu with sections: Basics, Accounts and users, and Tweets. Under the Tweets section, the link 'Post, retrieve and engage with Tweets' is selected. The main content area has tabs for Overview, Guides, and API Reference. Below the tabs, a text block states: 'The following API endpoints can be used to programmatically create, retrieve and delete Tweets, Retweets and Likes:'. This is followed by a table with three columns: Tweets, Retweets, and Likes (formerly favorites). Each column lists several API endpoints.

Tweets	Retweets	Likes (formerly favorites)
<ul style="list-style-type: none"> POST statuses/update POST statuses/destroy/:id GET statuses/show/:id 	<ul style="list-style-type: none"> POST statuses/retweet/:id POST statuses/unretweet/:id GET statuses/retweets/:id GET statuses/retweets_of_me GET statuses/retweeters/ids 	<ul style="list-style-type: none"> POST favorites/create/:id POST favorites/destroy/:id GET favorites/list

- Browse the list of requests you can make to the API.
- Select the API Reference tab beneath the title of the page.
- Review the information for POST statuses/update including parameters, example request, and example response.

The screenshot shows the 'fail_dm_commands' parameter section. It includes a table with columns for the parameter name, whether it's optional, and its description. The description for 'fail_dm_commands' states: 'When set to true, causes any status text that starts with shortcode commands to return an API error. When set to false, allows shortcode commands to be sent in the status text and acted on by the API.' Below this, there is an 'Example Request' section showing a POST request to the Twitter API with a status parameter. Finally, there is an 'Example Response' section showing a JSON response object.

Parameter	Optional	Description
fail_dm_commands	optional	When set to true, causes any status text that starts with shortcode commands to return an API error. When set to false, allows shortcode commands to be sent in the status text and acted on by the API.

Example Request

POST `https://api.twitter.com/1.1/statuses/update.json?status=Maybe%20he%27ll%20finally%20find%20his%20keys.%20%23peterfalk`

Example Response

```
{
  "coordinates": null,
  "favorited": false,
  "created_at": "Wed Sep 05 00:37:15 +0000 2012",
  "truncated": false,
  "id_str": "243145735212777472",
  "entities": {
    "urls": [

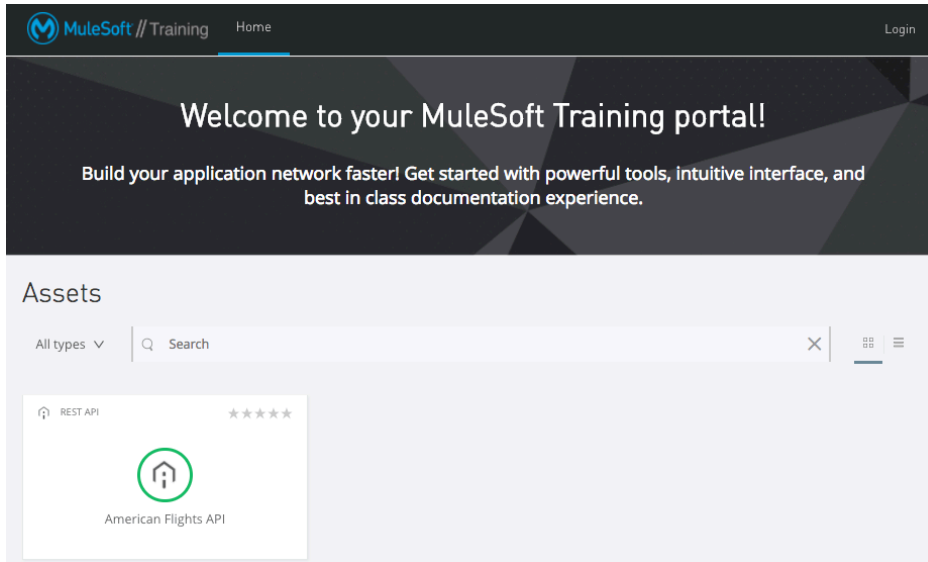
```

- Close the browser tab.

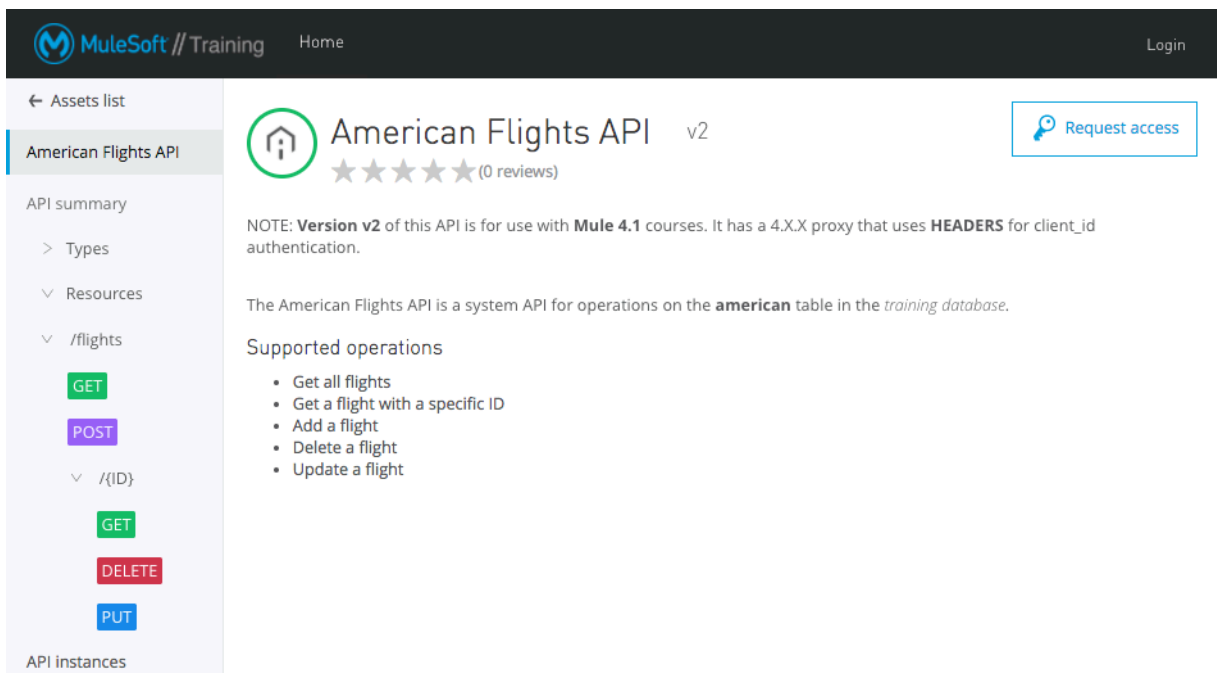
Explore an API portal for an API to be used in the course

12. Return to the course snippets.txt file.
13. Copy the URL for the MuleSoft Training API portal.
14. Return to a browser window and navigate to that URL:

<https://anypoint.mulesoft.com/exchange/portals/muletraining/>.



15. Click the American Flights API.
16. Browse the API Summary on the left-side and discover the resources that are available for the API.



17. Select the GET method.

18. Review the information about the GET method; you should see there is an optional query parameter called destination.

← Assets list

American Flights API

API summary

> Types

> Resources

> /flights

GET

POST


> /{ID}

GET

DELETE

PUT

API instances



American Flights API | v2

★★★★★ (0 reviews)

/flights : get

Request

GET /flights

Parameters

Parameter	Type	Description
Query parameters		
destination	string (enum)	Possible values: SFO, LAX, CLE

Download

Request access

GET

Mocking Service

https://mocksvc-proxy.anypoint.mulesoft.com/exc

Parameters

Headers

Query parameters

☐ Show optional parameters

Send

19. Scroll down and review the Headers and Response sections.

Headers

Parameter	Type	Description
client_id (required)	string	
client_secret (required)	string	

Response

Type	Examples
Typeapplication/json	<pre>[{ "ID": "integer", "code": "string", "price": "number", "departureDate": "string", "origin": "string",</pre>

20. In the left-side navigation, select the DELETE method.
21. Locate information about the required ID URI parameter.

The screenshot displays an API documentation interface. On the left is a navigation sidebar with the following structure:

- API summary
 - > Types
 - ▼ Resources
 - ▼ /flights
 - GET
 - POST
 - ▼ /{ID}
 - GET
 - DELETE
 - PUT
- API instances

The main content area on the right shows the details for the selected **DELETE** method:

- Endpoint: `/ {ID} : delete`
- Request: `DELETE /flights/{ID}`
- Parameters section with a table:

Parameter	Type	Description
URI parameters		
ID (required)	string	

22. Review the information for the other resources.