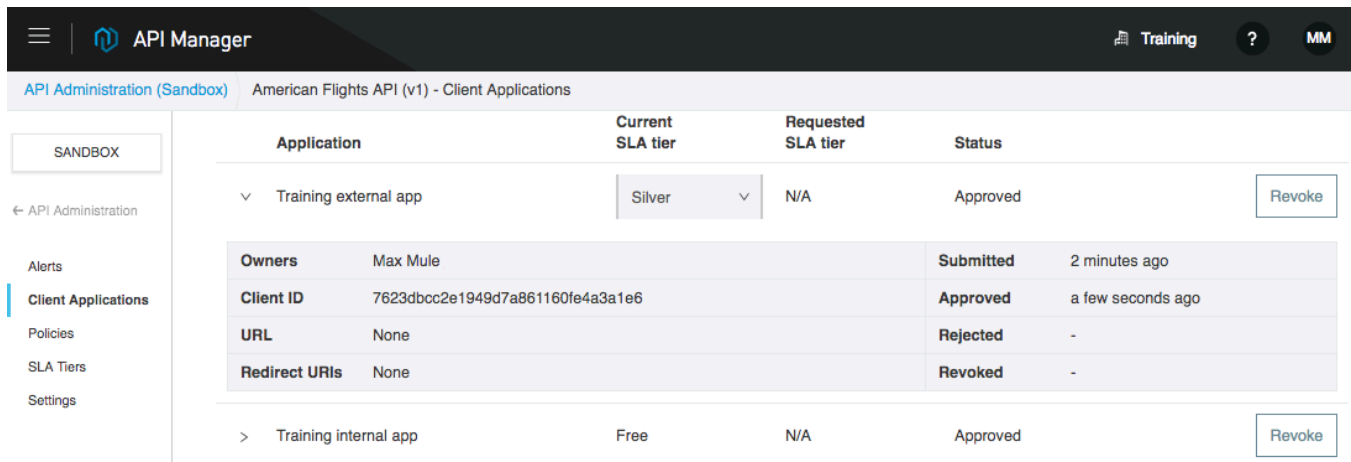


Walkthrough 5-4: Request and grant access to a managed API

In this walkthrough, clients request access to an API proxy and administrators grant access. You will:

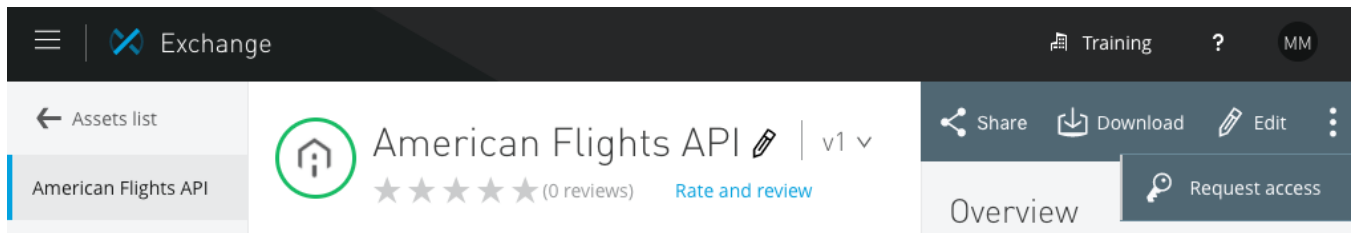
- Request application access to SLA tiers from private and public API portals.
- Approve application requests to SLA tiers in API Manager.



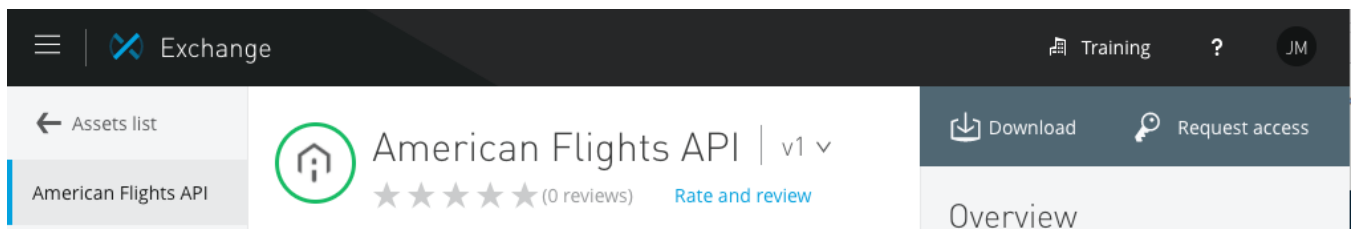
Application	Current SLA tier	Requested SLA tier	Status
Training external app	Silver	N/A	Approved
Owners Max Mule			
Client ID 7623dbcc2e1949d7a861160fe4a3a1e6		Submitted 2 minutes ago	
URL None		Approved a few seconds ago	
Redirect URIs None		Rejected -	
		Revoked -	
Training internal app	Free	N/A	Approved

Request access to the API as an internal consumer

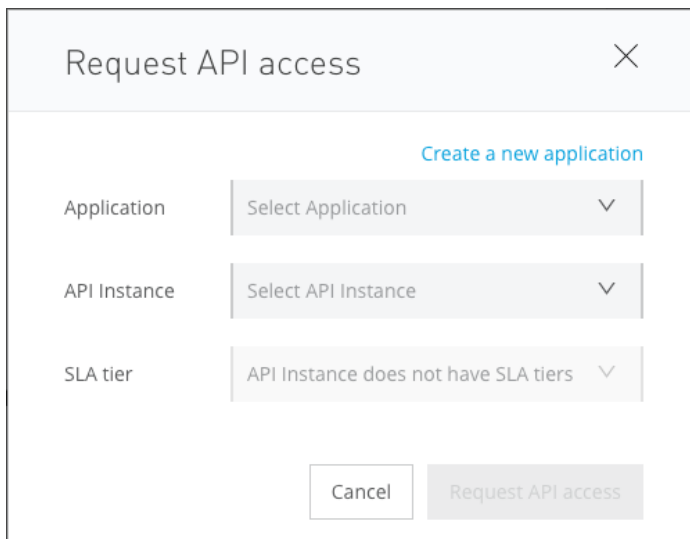
1. Return to the browser tab with Anypoint Exchange.
2. In the left-side navigation, select the name of the API to return to its home page.
3. Click the more options button in the upper-right corner and select Request access.



Note: Other internal users that you shared the API with that do not have Edit permissions will see a different menu.

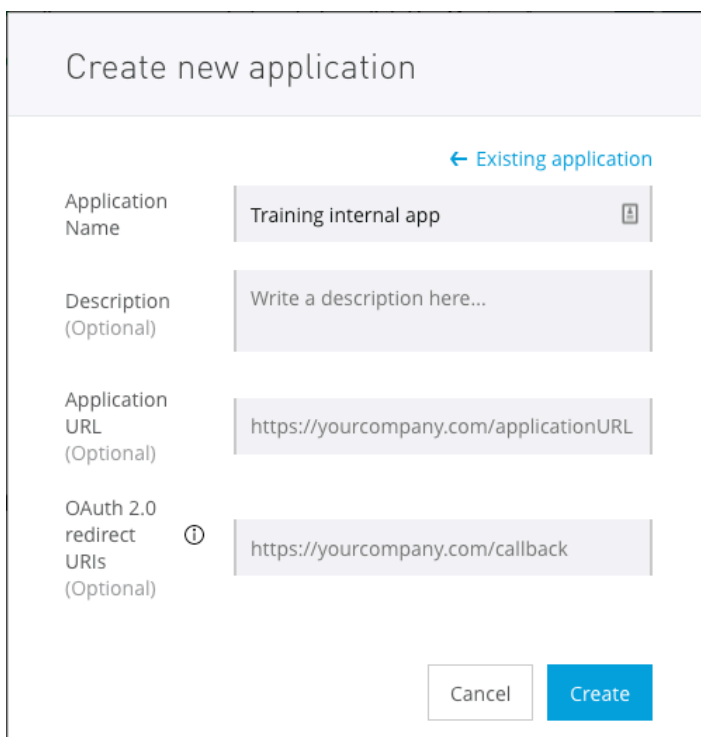


4. In the Request API access dialog box, click the Create a new application link.



The 'Request API access' dialog box features a title bar with a close button (X). Below the title bar, there is a link 'Create a new application' in blue. The main content area contains three dropdown menus: 'Application' with the placeholder 'Select Application', 'API Instance' with the placeholder 'Select API Instance', and 'SLA tier' with the placeholder 'API Instance does not have SLA tiers'. At the bottom, there are two buttons: 'Cancel' and 'Request API access'.

5. In the Create new application dialog box, set the name to Training internal app and click Create.



The 'Create new application' dialog box has a title bar. Below the title bar, there is a link '← Existing application' in blue. The main content area contains four input fields: 'Application Name' with the value 'Training internal app' and a lock icon, 'Description (Optional)' with the placeholder 'Write a description here...', 'Application URL (Optional)' with the value 'https://yourcompany.com/applicationURL', and 'OAuth 2.0 redirect URIs (Optional)' with the value 'https://yourcompany.com/callback' and an information icon. At the bottom, there are two buttons: 'Cancel' and 'Create'.

6. In the Request API access dialog box, set the API instance to Sandbox – Rate limiting SLA - based policy.

7. Set the SLA tier to Free.

Request API access

[Create a new application](#)

Application Training internal app ▼

API Instance Sandbox - Rate limiting - SLA based ... ▼

SLA tier Free ▼

# of Reqs	Time period	Time Unit
1	1	Minute

Cancel Request API access

8. Click Request API access.
9. In the Request API access dialog box, view the assigned values for the client ID and client secret.

Request API access

✓ **API access has been successful!**

Client ID e708026bb0cf4c3e8594ca39138b9a00

Client secret e10A1faF382D47DEA6A90cA8d4FC3891

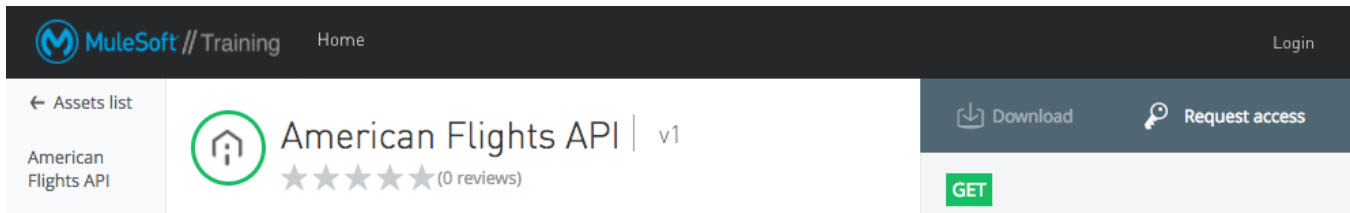
Application details have been opened in a new tab.

Close

10. Click Close.

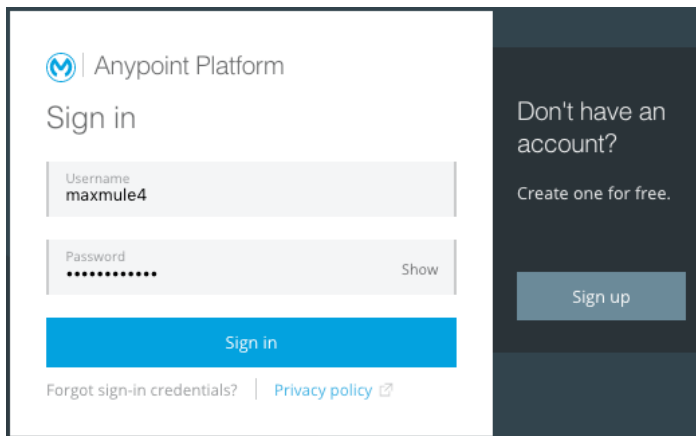
Request access to the API as an external consumer

11. Return to the public portal in the private/incognito window.
12. Refresh the page for the American Flights API; you should now see a Request access button.



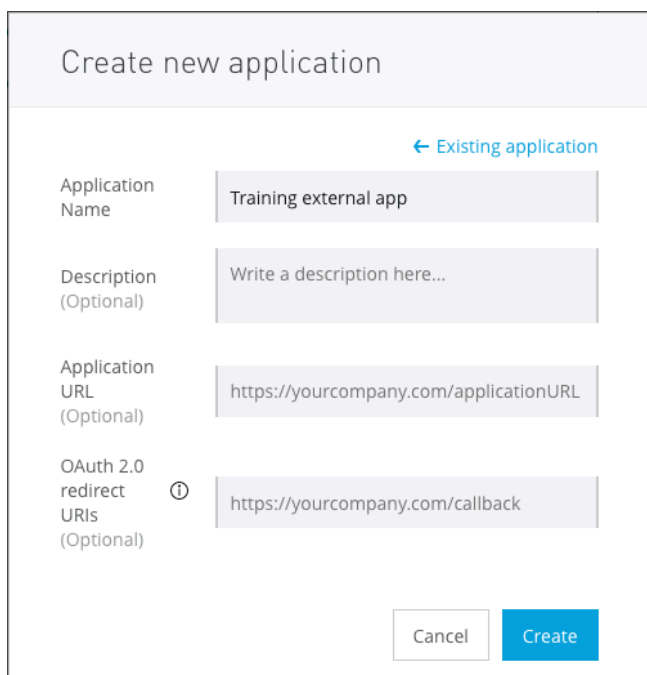
13. Click the Request access button; you should get a page to sign in or create an Anypoint Platform account.
14. Enter your existing credentials and click Sign in.

Note: Instead of creating an external user, you will just use your existing account.



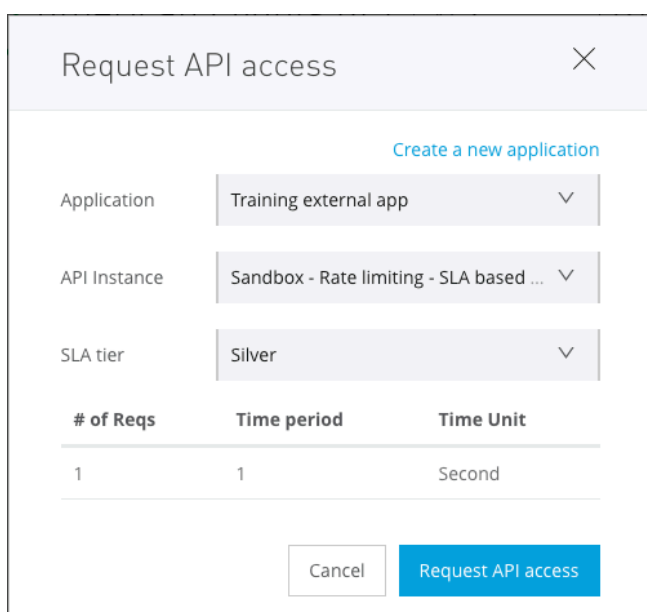
15. Back in the public portal, click the Request access button again.
16. In the Request API access dialog box, click the Create a new application button

17. In the Create new application dialog box, set the name to Training external app and click Create.



The 'Create new application' dialog box features a title bar with the text 'Create new application'. Below the title bar, there is a link labeled '← Existing application'. The form contains four input fields: 'Application Name' with the value 'Training external app', 'Description (Optional)' with the placeholder 'Write a description here...', 'Application URL (Optional)' with the value 'https://yourcompany.com/applicationURL', and 'OAuth 2.0 redirect URIs (Optional)' with the value 'https://yourcompany.com/callback'. An information icon is located to the left of the OAuth 2.0 field. At the bottom right, there are two buttons: 'Cancel' and 'Create'.

18. Click Create.
19. In the Request API access dialog box, set the API instance to Sandbox – Rate limiting SLA-based policy.
20. Set the SLA tier to Silver.



The 'Request API access' dialog box has a title bar with the text 'Request API access' and a close button (X). Below the title bar, there is a link labeled 'Create a new application'. The form contains three dropdown menus: 'Application' with the value 'Training external app', 'API Instance' with the value 'Sandbox - Rate limiting - SLA based ...', and 'SLA tier' with the value 'Silver'. Below these dropdowns is a table with three columns: '# of Reqs', 'Time period', and 'Time Unit'. The table has one row with the values '1', '1', and 'Second'. At the bottom right, there are two buttons: 'Cancel' and 'Request API access'.

# of Reqs	Time period	Time Unit
1	1	Second

21. Click Request API access.
22. In the Request API access dialog box, click Close.

23. In the portal main menu bar, right-click My applications and select to open it in a new tab; you should see the two applications you created.

The screenshot shows the MuleSoft Training portal's 'My applications' page. The top navigation bar includes the MuleSoft logo, 'Training', 'Home', 'My applications' (which is highlighted), and a user profile icon labeled 'MM'. Below the navigation bar, the page title 'My applications' is displayed. A search bar with a magnifying glass icon and the text 'Search' is present. Below the search bar is a table with two columns: 'Name' and 'Description'. The table contains two rows: 'Training internal app' and 'Training external app'.

24. Click the link for Training external app; you should see what APIs the application has access to, values for the client ID and secret to access them, and request data.

The screenshot shows the 'Training external app' page in the MuleSoft Training portal. The top navigation bar is the same as the previous screenshot. Below the navigation bar, there is a back arrow and the text 'My applications'. The page title 'Training external app' is displayed. To the right of the title are three buttons: 'Edit' (with a pencil icon), 'Reset client secret' (with a circular arrow icon), and 'Delete' (with a trash can icon). Below the title, there is a list of items with a 'Show All (1)' link. The list contains one item: 'Sandbox - Rate limit... v1'. To the right of the list is a box containing application details: 'Application Description:', 'Application URL:', 'Redirect URIs:', 'Client ID: 7623dbcc2e1949d7a861160fe4a3a1e6', 'Client Secret: Show', and 'Grant Types: -'.

25. Leave this page open in a browser so you can return to it and copy these values.

Grant an application access

26. Return to the browser window and tab with the Settings page for American Flights API (v1) in API Manager.

27. In the left-side navigation, select Client Applications; you should see the two applications that requests access to the API.

API Manager

API Administration (Sandbox) American Flights API (v1) - Client Applications

SANDBOX

← API Administration

Alerts

Client Applications

Policies

SLA Tiers

Settings

Search

1 - 2 of 2

Application	Current SLA tier	Requested SLA tier	Status
> Training external app	N/A	Silver	Pending
> Training internal app	Free	N/A	Approved

Approve Reject Delete

Revoke

28. Click the Approve button for the application requesting Silver tier access.

29. Expand the Training external app row and review its information.

30. Copy the value of the client_id.

Application	Current SLA tier	Requested SLA tier	Status
<div> <div>▼</div> <div>Training external app</div> </div>	<div> <div>Silver</div> <div>▼</div> </div>	N/A	Approved

Owners

Max Mule

Submitted

2 minutes ago

Client ID

7623dbcc2e1949d7a861160fe4a3a1e6

Approved

a few seconds ago

URL

None

Rejected

-

Redirect URIs

None

Revoked

-

> Training internal app	Free	N/A	Approved
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Revoke

Add authorization headers to test the rate limiting – SLA based policy from an API portal

31. Return to the browser window and tab with the API console in the public portal.

32. Try again to make a call to the Sandbox – Rate limiting – SLA based policy; you should still get a 401 Unauthorized response.

33. Select the Headers tab.

34. Click Add custom header.

35. Set the header name to client_id.

36. Set the value of `client_id` to the value you copied.

Download ▾ Request access

GET

Sandbox - Rate limiting - SLA based policy ▾

http://training4-american-api-mule.cloudhub.io/flights

Parameters Headers

☒ `</>`

Header name	Value	
client_id	7623dbcc2e1949d7	

+ Add custom header

Send

37. Return to the browser tab with My applications in the public portal.

38. Copy the value of the `client_secret`.

39. Return to the browser window and tab with the API console in the public portal.

40. Add another custom header and set the name to `client_secret`.

41. Set the `client_secret` header to the value you copied.

Parameters Headers

☒ `</>`

Header name client_id	Value 7623dbcc2e1949d7	
Header name client_secret	Value 52505680a6FB4d5:	

+ Add custom header

42. Click Send; you should now get a 200 response with flight results.

200 OK 1119.00 ms Details ▾

☒ `</>`

```
[Array[11]]
  -0: {
    "ID": 1,
    "code": "rree0001",
    "price": 541,
    "departureDate": "2016-01-
```