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flexbot New Import

POST Upload Valid MP3 GET Get Existing Resource GET Get Existing Song Metadata Introduction to Microservices

Introduction to Microservices

Overview Authorization Pre-request Script Tests Variables Runs

These variables are specific to this collection and its requests. Learn more about [collection variables](#)

Filter variables

Variable	Initial value	Current value
<input checked="" type="checkbox"/> id	1	1
<input checked="" type="checkbox"/> resource_service_url	http://localhost:8081	http://localhost:8081
<input checked="" type="checkbox"/> song_service_url	http://localhost:8082	http://localhost:8082
Add new variable		

Use variables to reuse values and protect sensitive data

Store sensitive data in variable type secret to keep its values masked on the screen. Learn more about [variable type](#)

Work with the current value of a variable to prevent sharing sensitive values with your team. Learn more about [variable values](#)

Comments

Add a new comment

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flexbot New Import

POST Upload Valid MP3 GET Get Existing Resource GET Get Existing Song Metadata Introduction to Microservices

Introduction to Microservices / Happy Path / Upload Valid MP3

POST `[[resource_service_url]]/api/v1/resources`

Params Authorization Headers (8) Body Pre-request Script Tests Settings

```
1 let res = pm.response.json();
2 console.log("Response Body:", res);
3
4 pm.test("Status code is 200", function() {
5   pm.expect(pm.response.code).toEqual(200);
6 });
7
8 pm.test("Response contains 'id' field", function() {
9   pm.expect(res).toHaveProperty('id');
10 });
11
12 if (res.id) {
13   pm.environment.set('id', res.id);
14 }
```

Body Cookies Headers (5) Test Results (3/3) Status: 200 OK Time: 71

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All Passed Skipped Failed

PASS Status code is 200

PASS Response contains 'id' field

PASS Environment variable 'id' is set

Test scripts are written in JavaScript, and are run after the response is received. Learn more about [tests scripts](#)

Snippets

Get an environment variable

Get a global variable

Postbot

Fix pm.test("Environment variable 'id' is set"), which currently throws Error: Invalid Chai property: equal.to. See docs for proper usage of "equal".

I have updated the test to use the correct Chai property for equality comparison. It should now use "to.equal" instead of "equal.to". Let me know if this change looks good to you, or if there's anything else you'd like to adjust.

34 minutes ago

Test for response...

Visualize response...

Save a field from response

Fix tests

Add more tests

Add documentation

Your message goes here...

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flexbot New Import POST Upload Valid MP3 GET Get Existing Resource GET Get Existing Song Meta Introduction to Microservices

Introduction to Microservices / Happy Path / Upload Valid MP3

POST [resource\_service\_url]/api/v1/resources

Params Authorization Headers (8) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL

valid-sample-with-required-tags...

Body Cookies Headers (5) Test Results (3/3) Status: 200 OK Time: 7s

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 24
3 }
```

Postbot

Fix pm.test() Environment variable 'id' is set(), which currently throws Error: Invalid Chai property: equal.to. See docs for proper usage of "equal".

I have updated the test to use the correct Chai property for equality comparison. It should now use "to.equal" instead of "equal.to". Let me know if this change looks good to you, or if there's anything else you'd like to adjust.

34 minutes ago

Test for response...  
Visualize response...  
Save a field from response  
Fix tests  
Add more tests  
Add documentation

Your message goes here...

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flexbot New Import POST Upload Valid MP3 GET Get Existing Resource GET Get Existing Song Meta Introduction to Microservices

Introduction to Microservices / Happy Path / Get Existing Song Metadata

GET [song\_service\_url]/api/v1/songs/{id}

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

Key	Value	Description
Key	Value	Description

Body Cookies Headers (5) Test Results Status: 200 OK Time: 35 ms Size: 271 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 24,
3   "name": "Unknown Title",
4   "artist": "Test Artist",
5   "album": "Test Album",
6   "duration": "00:07",
7   "year": 2025
8 }
```

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Introduction to Microservices / Happy Path / Get Existing Resource

GET [resource\_service\_url]/api/v1/resources/[id]

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

Key	Value	Description
Key	Value	Description

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 328 ms Size: 185.52 KB Save as example

0:07 / 0:07

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Introduction to Microservices / Happy Path / Get Existing Resource

GET [resource\_service\_url]/api/v1/resources/[id]

Params Authorization Headers (6) Body Pre-request Script Tests Settings

```
1 pm.test("Status code is 200", function(){
2   pm.expect(pm.response.code).to.equal(200);
3 });
4
5 pm.test("Response Content-Type is audio/mpeg", function(){
6   pm.expect(pm.response.headers.get("Content-Type")).to.equal("audio/mpeg");
7 });
8
```

Test scripts are written in JavaScript, and are run after the response is received. Learn more about tests scripts

Snippets

- Get an environment variable
- Get a global variable
- Get a variable
- Get a collection variable
- Set an environment variable
- Set a global variable
- Set a collection variable

Please set environment variable

Body Cookies Headers (5) Test Results (2/2)

Status: 200 OK Time: 59 ms Size: 185.52 KB Save as example

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All Passed Skipped Failed

PASS Status code is 200

PASS Response Content-Type is audio/mpeg

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Introduction to Microservices / Happy Path / Get Existing Song Metadata

GET ([song\_service\_url])/api/v1/songs/{id}

Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings

```
1 pm.test("Status code is 200", function(){
2   pm.expect(pm.response.code).to.equal(200);
3 });
4
5 pm.test("Response Content-Type is application/json", function(){
6   pm.expect(pm.response.headers.get("Content-Type")).to.equal("application/json");
7 });
8
```

Test scripts are written in JavaScript, and are run after the response is received. Learn more about tests scripts

Snippets

- Get an environment variable
- Get a global variable
- Get a variable
- Get a collection variable
- Set an environment variable
- Set a global variable
- Set a collection variable
- Clear an environment variable
- Clear a global variable
- Clear a collection variable

Save a request

Body Cookies Headers (5) Test Results (2/2)

Status: 200 OK Time: 10 ms Size: 271 B Save as example

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All Passed Skipped Failed

PASS Status code is 200

PASS Response Content-Type is application/json

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Introduction to Microservices / Happy Path / Delete Resource with Metadata

DELETE ([resource\_service\_url])/api/v1/resources?id=24

Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

Key	Value	Description
<input checked="" type="checkbox"/> Id	24	
<input type="checkbox"/> Key	Value	Description

Body Cookies Headers (5) Test Results (2/2)

Status: 200 OK Time: 127 ms Size: 176 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "ids": [
3     24
4   ]
5 }
```

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Introduction to Microservices / Happy Path / Get Deleted Resource (404)

GET [resource\_service\_url]/api/v1/resources/{id}

Params Authorization Headers (6) Body Pre-request Script Tests Settings

```
1 pm.test("Status code is 200", function(){
2   pm.expect(pm.response.code).toEqual(200);
3 });
4
5 pm.test("Response Content-Type is audio/mpeg", function(){
6   pm.expect(pm.response.headers.get("Content-Type")).toEqual("audio/mpeg");
7 });
8
```

Test scripts are written in JavaScript, and are run after the response is received. Learn more about test scripts

Snippets

- Get an environment variable
- Get a global variable
- Get a variable
- Get a collection variable
- Set an environment variable
- Set a global variable
- Set a collection variable
- Clear an environment variable
- Clear a global variable

Body Cookies Headers (5) Test Results (0/2) Status: 404 Not Found Time: 12 ms Size: 292 B Save as example

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All Passed Skipped Failed

FAIL Status code is 200 | AssertionError: expected 404 to equal 200

FAIL Response Content-Type is audio/mpeg | AssertionError: expected 'application/json' to equal 'audio/mpeg'

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flexbot New Import

Introduction to Microservices / Happy Path / Get Deleted Resource (404)

GET [resource\_service\_url]/api/v1/resources/{id}

Params Authorization Headers (6) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL

This request does not have a body

Body Cookies Headers (5) Test Results (0/2) Status: 404 Not Found Time: 12 ms Size: 292 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "timestamp": "2025-02-16T15:34:18.792711854",
3   "status": 404,
4   "error": "Not Found",
5   "message": "Resource not found with id: 24"
6 }
```

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New Import

Introduction to Microservices / Happy Path / Get Deleted Song Metadata (404)

GET [song\_service\_url]/api/v1/songs/{id}

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

Key	Value	Description
Key	Value	Description

Body Cookies Headers (5) Test Results (1/2)

Status: 404 Not Found Time: 336 ms Size: 297 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "timestamp": "2025-02-16T15:34:47.171828497",
3   "status": 404,
4   "error": "Not Found",
5   "message": "Song metadata not found with ID: 24"
6 }
```

Online Find and replace Console

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New Import

Introduction to Microservices / Happy Path / Get Deleted Song Metadata (404)

GET [song\_service\_url]/api/v1/songs/{id}

Params Authorization Headers (6) Body Pre-request Script Tests Settings

```
1 pm.test("Status code is 200", function(){
2   pm.expect(pm.response.code).to.equal(200);
3 });
4
5 pm.test("Response Content-Type is application/json", function(){
6   pm.expect(pm.response.headers.get("Content-Type")).to.equal("application/json");
7 });
8
```

Test scripts are written in JavaScript, and are run after the response is received. Learn more about tests scripts

Snippets

- Get an environment variable
- Get a global variable
- Get a variable
- Get a collection variable
- Set an environment variable
- Set a global variable
- Set a collection variable
- Clear an environment variable
- Clear a global variable

Body Cookies Headers (5) Test Results (1/2)

Status: 404 Not Found Time: 336 ms Size: 297 B Save as example

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All Passed Skipped Failed

FAIL Status code is 200 | AssertionError: expected 404 to equal 200

PASS Response Content-Type is application/json

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flexbot New Import

DEL Delete Resource with M GET Get Deleted Resource (4 GET Get Deleted Song Metac POST Upload Valid MP3 POST Upload Invalid MP3

Introduction to Microservices / Error Cases / Upload Invalid MP3

POST [resource\_service\_url]/api/v1/resources

Params Authorization Headers (8) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL

Invalid-sample-with-missed-tags...

Body Cookies Headers (4) Test Results (1/3) Status: 500 Internal Server Error Time: 496 ms Size: 436 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "timestamp": "2025-02-16T15:36:26.93322699",
3   "status": 500,
4   "error": "Internal Server Error",
5   "message": "[400] during [POST] to [http://localhost:8082/api/v1/songs] [SongServiceClient$saveSongMetadata(SongRequest)]: [{"artist\":\"Artist is required\",
6     \"album\":\"Album is required\"}]"
```

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