

Step-by-Step Practical Guide

How to Create a Collection in Postman

1. **Open Postman**
Launch Postman and go to your workspace.
2. **Click "Collections"**
On the left sidebar, select the "Collections" tab.
3. **Click "New Collection"**
Click the "+" or "New Collection" button.
4. **Enter Collection Details**
 - o **Name:** JSONPlaceholder
 - o **Description:** (Optional) Add a short description
5. **Save the Collection**
Click "Create" or "Save".
6. **Add Requests**
Open the collection and click "Add a request" to start adding API requests.

1.1. Building a Simple GET Request

A GET request retrieves information from the server. We'll use a sample public API to practice.

1. **Open Postman** and click + **New Request** in the collection and save it using an appropriate name.
2. **Set the Request Method** to GET.
3. **Enter the Request URL:** `https://jsonplaceholder.typicode.com/posts/1`
 - o This sample API will return data for a single post in JSON format.
4. Click **Send**.
5. **View the Response:** Observe the JSON response in the lower panel.

Example of Response:

```
{
  "userId": 1,
  "id": 1,
  "title": "sunt aut facere repellat provident occaecati excepturi optio reprehenderit",
  "body": "quia et suscipit\nsuscipit recusandae consequuntur expedita et cum\nreprehenderit molestiae ut ut quas totam\nnostrum rerum est autem sunt rem eveniet architecto"
}
```

1.2. Building a POST Request

A POST request sends data to the server to create a new resource.

1. **Create a New Request** with the POST method.
2. **Enter the URL:** `https://jsonplaceholder.typicode.com/posts`
3. **Add Headers:**
 - o **Key:** Content-Type

- **Value:** application/json
- 4. **Add a Request Body** (select **raw** and **JSON** format):

```
{
  "title": "Sample Post",
  "body": "This is the content of the new post",
  "userId": 1
}
```

- 5. Click **Send** and check the response.

1.3. Building a PUT Request

A PUT request updates an existing resource with new data.

1. Create a New Request with the **PUT** method.
2. Enter the URL: `https://jsonplaceholder.typicode.com/posts/1`.
 - This will update the post with ID 1.
3. Add Headers:
 - **Key:** Content-Type
 - **Value:** application/json
4. Add a Request Body (select **raw** and **JSON** format):

```
{
  "id": 1,
  "title": "Updated Title",
  "body": "This is the updated content of the post",
  "userId": 1
}
```

- 5. Click **Send** and view the response.

Example of Response:

```
{
  "id": 1,
  "title": "Updated Title",
  "body": "This is the updated content of the post",
  "userId": 1
}
```

1.4. Building a DELETE Request

A DELETE request removes a resource from the server.

1. Create a New Request with the **DELETE** method.
2. Enter the URL: `https://jsonplaceholder.typicode.com/posts/1`.
 - This will delete the post with ID 1.
3. Click **Send**.
4. Check the Response Status Code (e.g., 200 OK or 204 No Content) to confirm the deletion.

Note: Since JSONPlaceholder is a mock API, the deletion isn't actually persisted.

1.5. Building a PATCH Request

A PATCH request updates specific fields in an existing resource.

1. Create a New Request with the **PATCH** method.
2. Enter the URL: `https://jsonplaceholder.typicode.com/posts/1`.
 - This will partially update the post with ID 1.
3. Add Headers:
 - **Key:** Content-Type
 - **Value:** application/json
4. Add a Request Body (select **raw** and **JSON** format):

```
{
  "title": "Partially Updated Title"
}
```

5. Click **Send** and view the response.

Example of Response:

```
{
  "id": 1,
  "title": "Partially Updated Title",
  "body": "This is the body of the post.",
  "userId": 1
}
```