

Запуск коллекции из командной строки:

Запускать коллекции Postman из командной строки можно с помощью инструмента под названием Newman. Newman — это CLI-инструмент для Postman, который позволяет выполнять запросы и тесты коллекций Postman.

1. Скачать Node.js (скачать можно с официального сайта <https://nodejs.org/>)
2. После установки Node.js нужно установить Newman с помощью npm (менеджер пакетов Node.js). Нужно ввести следующую команду в терминале (эта команда установит Newman глобально на вашей системе):

npm install -g newman

3. Экспорт коллекции Postman:

Перед тем как запустить коллекцию, нужно ее экспортировать из Postman:

- Открыть Postman.
 - Найти коллекцию, которую хотим экспортировать, в левой панели.
 - Щелкнуть правой кнопкой мыши по коллекции и выбрать "Export".
 - Выбрать нужный формат (обычно JSON) и сохранить файл на вашем компьютере.
4. Запуск коллекции с помощью Newman.

Выполнить следующую команду в терминале, заменив your-collection.json на путь к экспортированному файлу:

newman run your-collection.json

5. Проверка результатов.

После завершения выполнения команды в терминале мы увидим результаты запуска коллекции, включая информацию о пройденных и не пройденных тестах.

Информация о запуске коллекции:

Your environment has been set up for using Node.js 20.17.0 (x64) and npm.

```
C:\Users\Юлия Самусева>npm install -g newman
npm warn deprecated har-validator@5.1.5: this library is no longer supported
npm warn deprecated uuid@3.4.0: Please upgrade to version 7 or higher. Older versions
may use Math.random() in certain circumstances, which is known to be problematic. See
https://v8.dev/blog/math-random for details.
```

changed 120 packages in 13s

9 packages are looking for funding
run `npm fund` for details

C:\Users\Юлия Самусева>

C:\Users\Юлия Самусева>newman run "C:\Users\Юлия Самусева\Downloads\Petstore
Final Project.postman_collection (1).json"
newman

Petstore Final Project

→ User (Operations about user)

POST https://petstore.swagger.io/v2/user/createWithList [200 OK, 370B, 731ms]

- ✓ Response status code is 200
- ✓ Response has the required fields - code, type, and message
- ✓ Type is a non-empty string
- ✓ Message is a non-empty string
- ✓ Content-Type header is application/json

→ Get user by user name

GET https://petstore.swagger.io/v2/user/string8888 [200 OK, 486B, 142ms]

- ✓ Response status code is 200
- ✓ Response has the required fields
 1. Email is in a valid format
 2. Phone number is in a valid format
- ✓ UserStatus is a non-negative integer

→ Update user

PUT https://petstore.swagger.io/v2/user/string8888 [200 OK, 387B, 146ms]

- ✓ Response status code is 200
- ✓ Content-Type is application/json
- ✓ Validate the structure of the response object
- ✓ Code is a non-negative integer
- ✓ Type and message are non-empty strings

→ New Request

DELETE https://petstore.swagger.io/v2/user/string8888 [200 OK, 378B, 136ms]

- ✓ Response status code is 200
- ✓ Content-Type header is application/json
- 3. Code field exists and is not empty
- ✓ Type field in the response should exist and be a string
- ✓ Message field in the response should exist

	executed	failed
iterations	1	0
requests	4	0
test-scripts	8	0
prerequest-scripts	4	0
assertions	20	3
total run duration: 1635ms		
total data received: 317B (approx)		
average response time: 288ms [min: 136ms, max: 731ms, s.d.: 255ms]		

failure detail

1. AssertionError Email is in a valid format
expected 'string' to match
/[^][a-zA-Z0-9._%+~]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}\$/
at assertion:2 in test-script
inside "Get user by user name"
2. AssertionError Phone number is in a valid format
expected 'string' to match /[^]\d{3}-\d{3}-\d{4}\$/
at assertion:3 in test-script
inside "Get user by user name"
3. AssertionError Code field exists and is not empty
.empty was passed non-string primitive 200
at assertion:2 in test-script
inside "New Request"

C:\Users\Юлия Самусева>

Как это выглядит визуально:

```
Выбрать C:\WINDOWS\system32\cmd.exe
Your environment has been set up for using Node.js 20.17.0 (x64) and npm.

C:\Users\Юлия Самусева>npm install -g newman
npm warn deprecated har-validator@5.1.5: this library is no longer supported
npm warn deprecated uuid@3.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain circumstances, which is known to be problematic. See https://v8.dev/blog/math-random for details.

changed 120 packages in 13s
9 packages are looking for funding
  run `npm fund` for details

C:\Users\Юлия Самусева>
C:\Users\Юлия Самусева>newman run "C:\Users\Юлия Самусева\Downloads\Petstore Final Project.postman_collection (1).json"
newman

Petstore Final Project

→ User (Operations about user)
  POST https://petstore.swagger.io/v2/user/createWithList [200 OK, 370B, 731ms]
  ✓ Response status code is 200
  ✓ Response has the required fields - code, type, and message
  ✓ Type is a non-empty string
  ✓ Message is a non-empty string
  ✓ Content-Type header is application/json

→ Get user by user name
  GET https://petstore.swagger.io/v2/user/string8888 [200 OK, 486B, 142ms]
  ✓ Response status code is 200
  ✓ Response has the required fields
  1. Email is in a valid format
  2. Phone number is in a valid format
  ✓ UserStatus is a non-negative integer

→ Update user
  PUT https://petstore.swagger.io/v2/user/string8888 [200 OK, 387B, 146ms]
```

```
Выбрать C:\WINDOWS\system32\cmd.exe

→ Update user
  PUT https://petstore.swagger.io/v2/user/string8888 [200 OK, 387B, 146ms]
  ✓ Response status code is 200
  ✓ Content-Type is application/json
  ✓ Validate the structure of the response object
  ✓ Code is a non-negative integer
  ✓ Type and message are non-empty strings

→ New Request
  DELETE https://petstore.swagger.io/v2/user/string8888 [200 OK, 378B, 136ms]
  ✓ Response status code is 200
  ✓ Content-Type header is application/json
  3. Code field exists and is not empty
  ✓ Type field in the response should exist and be a string
  ✓ Message field in the response should exist
```

```
Выбрать C:\WINDOWS\system32\cmd.exe
✓ Message field in the response should exist
```

	executed	failed
iterations	1	0
requests	4	0
test-scripts	8	0
prerequest-scripts	4	0
assertions	20	3

```
total run duration: 1635ms
total data received: 317B (approx)
average response time: 288ms [min: 136ms, max: 731ms, s.d.: 255ms]
```

#	failure	detail
1.	AssertionError	Email is in a valid format expected 'string' to match /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}\$/ at assertion:2 in test-script inside "Get user by user name"
2.	AssertionError	Phone number is in a valid format expected 'string' to match /^\\d{3}-\\d{3}-\\d{4}\$/ at assertion:3 in test-script inside "Get user by user name"
3.	AssertionError	Code field exists and is not empty .empty was passed non-string primitive 200 at assertion:2 in test-script inside "New Request"

C:\Users\Юлия Самусева> _