POSTMAN

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NEWMAN

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AGENDA

Postman 101

Tests

Collections
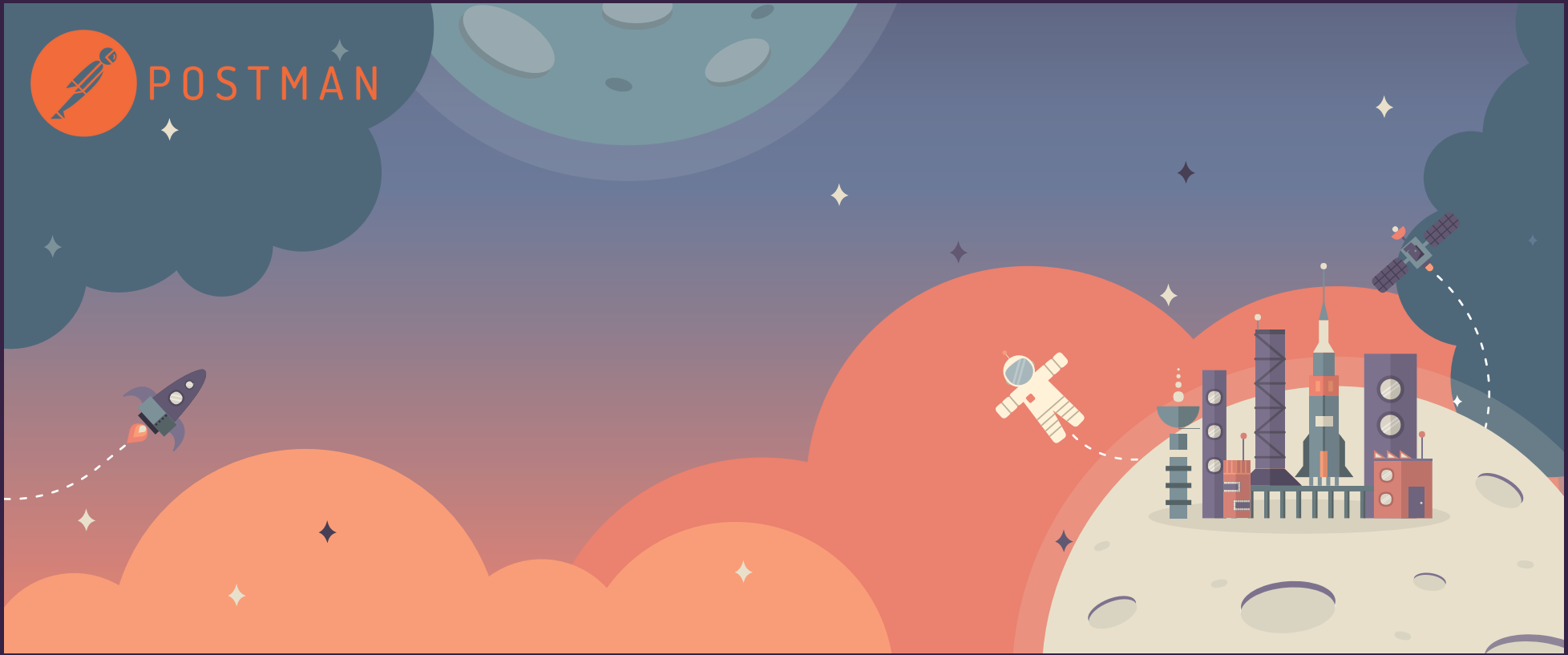
CI\CD integration

WHY?

Easily create test suites

Store data for use in other tests

Integrates with build systems

Portable tests

WE ALL KNOW IT

Manual API testing

Variables & parameterized requests

Test cases

Collections

ANDREI DIACONU
2018

DEMO TIME

BUT WHAT IF?

NEWMAN

Postman collection executor

Built on Node.js & available on NPM

Maintains feature parity with Postman

DEMO TIME

JS, OF COURSE

```javascript
var newman = require('newman'); // require newman in your project

// call newman.run to pass `options` object and wait for callback
newman.run({
    collection: require('./sample-collection.json'),
    reporters: 'cli'
}, function (err) {
    if (err) { throw err; }
    console.log('collection run complete!');
});
```

CLI? MEH...

```xml
<?xml version="1.0" encoding="UTF-8"?>
<testsuites name="WorldPay - Integration Tests" time="0">
  <testsuite name="PA flow / PA flow : PA request" id="27999436-563e-4d48-b772-1c1a0f6c929f" tests="1" time="0">
    <error>
      <![CDATA[Iteration: 0
RequestError: Error: Invalid URI "http:///%7B%7Bendpoint%7D%7D/directpayments"]]>
    </error>
    <testcase name="Status code is 200" time="0">
      <failure type="AssertionFailure">
        <![CDATA[Failed 1 times.]]>
      </failure>
    </testcase>
  </testsuite>
</testsuites>
```

```json
{
  "error": {
    "name": "AssertionError",
    "index": 0,
    "message": "expected false to be truthy",
    "stack": "AssertionError: expected false to be truthy\n    at Object.eval sandbox-script.js:1:1)",
    "checksum": "54fe6e22b5978c6c9702219249d63138",
    "id": "36a92e02-ebe3-4918-a255-7dcacf5f29fd",
    "timestamp": 1517758524119
  },
```

STILL MEH?

Newman Report

Collection	WorldPay - Integration Tests	
Description		
Time	Sun Feb 04 2018 17:30:08 GMT+0200 (GTB Standard Time)	
Exported with	Newman v3.9.1	

	Total	Failed
Iterations	1	0
Requests	1	1
Prerequest Scripts	1	0
Test Scripts	1	0
Assertions	1	1

Total run duration	74ms
Total data received	0B (approx)
Average response time	0ms

Total Failures   2

Requests

PA flow

PA flow : PA request	
Method	POST
URL	{{endpoint}}/directpayments
Mean time per request	0ms
Mean size per request	0B
Total passed tests	0
Total failed tests	1

Status code

Tests	Name	Pass count	Fail count
	Status code is 200	0	1

LOOK IT UP!

GITHUB.COM/
POSTMANLABS/NEWMAN

POST NEW MAN

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