Newman Postman collection runner

CONCEPTS

Export the collection (and environment) from Postman as JSON first; Newman runs those files, it does not edit them.

Postman export collection.json
↓ newman run
Newman run requests + scripts
↓ assertions
Results pass / fail
↓ -r reporters
Reports cli, json, junit
↓ exit code
CI job red or green

Postman now steers users to the Postman CLI; Newman still runs v2 collections but is no longer actively developed.

Passing -r replaces the default cli reporter. Add cli to the list to keep the console output.

INSTALL

npm install -g newman
Install globally (Node 16+)

newman --version
Print the version

brew install newman
Install with Homebrew

npm install -g newman-reporter-htmlextra
Add the HTML Extra reporter

newman run --help
List every run option

RUN

newman run *<collection.json>*
Run a collection file

newman run *<url>*
Run a collection from a URL

RUN (cont.)

newman run *<collection.json>* **-e** *<env.json>*
Use an environment file

newman run *<collection.json>* **-g** *<globals.json>*
Use a globals file

newman run *<collection.json>* **-n** *<count>*
Repeat the run N times

newman run *<collection.json>* **--folder** *<name>*
Run only one folder or request

newman run *<collection.json>* **--bail**
Stop at the first failed test

newman run *<collection.json>* **-x**
Exit 0 even if tests fail

newman run *<collection.json>* **--verbose**
Print full request and response data

DATA AND VARIABLES

newman run *<c>* **-d** *<data.csv>*
Iterate over CSV or JSON rows

newman run *<c>* **--env-var** "*<name>*=*<value>*"
Override an environment variable

REPORTERS

newman run *<c>* **-r cli,json**
Choose reporters (comma list)

newman run *<c>* **-r junit**
Write a JUnit XML report

newman run *<c>* **-r htmlextra**
Write an HTML report (plugin)

newman run *<c>* **-r json --reporter-json-export** *<file>*
Set the JSON report path

newman run *<c>* **-r junit --reporter-junit-export** *<file>*
Set the JUnit report path