[Newman](https://confluence.renesas.com/display/GMANUF/Newman)

By following these steps, we can use Newman to automate the execution of your Postman collections, enabling you to incorporate API testing into your development and deployment workflows.

**Install Node.js**:

* Ensure Node.js is installed on your machine. You can download and install it from the official website: [Node.js Download](https://nodejs.org/).

**Install Newman**:

* Once Node.js is installed, open a terminal or command prompt.
* Use npm (Node Package Manager) to install Newman globally by running the following command:  **npm install -g newman**
* This command installs Newman globally on your system, making it accessible from any directory.

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**Export Postman Collection**:

* + Open Postman and navigate to the collection you want to execute with Newman.
  + Click on the "..." (ellipsis) button next to the collection name.
  + Select "Export" and choose the desired format (Postman v2, v2.1, v2.1 without keys, or v2.1 with sensitive data).
  + Save the exported collection file (JSON format) to a location on your machine.

**Export Postman Environment (Optional)**:

* + If your collection uses environments in Postman, export the environment as well.
  + Navigate to the environment dropdown in Postman and select "Manage Environments."
  + Click on the "..." (ellipsis) button next to the environment you want to export.
  + Select "Export" and save the environment file (JSON format) to the same location as the collection file.

**Run Collection with Newman**:

* Open a terminal or command prompt.
* Navigate to the directory where you saved the exported collection and environment files.
* Run Newman using the following command, replacing <collection-file> with the name of your collection file: **newman run <collection-file>**
* If your collection uses an environment, include the environment file using the -e flag: **newman run <collection-file> -e <environment-file>**

**Install Newman HTML Reporter Globally:**

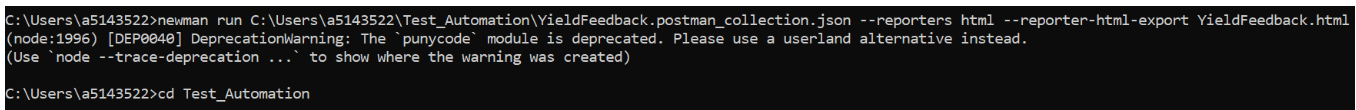
* Open a terminal or command prompt.
* Run the following command to install the HTML reporter globally: **npm install -g newman-reporter-html**

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**View Test Reports**:

* Newman generates detailed test reports in various formats, including CLI, HTML, JSON, JUnit XML, etc.
* To generate an HTML report, you can use the --reporters option: **newman run <collection-file> --reporters html**
* This command will generate an HTML report named newman-report.html in the current directory.
* Or we can run Newman to generate HTML report file name of our choice: **newman run <collection-file> --reporters html --reporter-html-export <custom-file-name>.html**
* This command will execute the Postman collection specified in my\_collection.json, generate an HTML report, and save it with the name custom\_report.html in the current directory.



**Integrate with CI/CD**:

* Once we have successfully run your collection with Newman, we can integrate it into your CI/CD pipeline by executing the Newman command as part of our pipeline script.