

Postman Integration with Jenkins

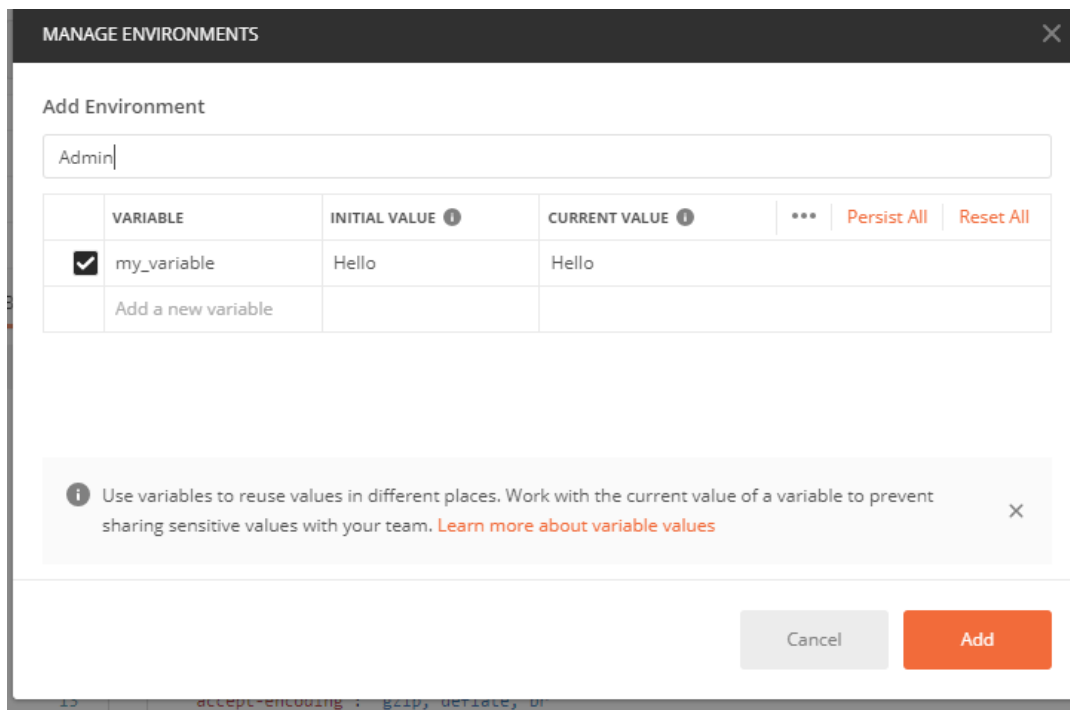
Run a Manage Environment in Postman :

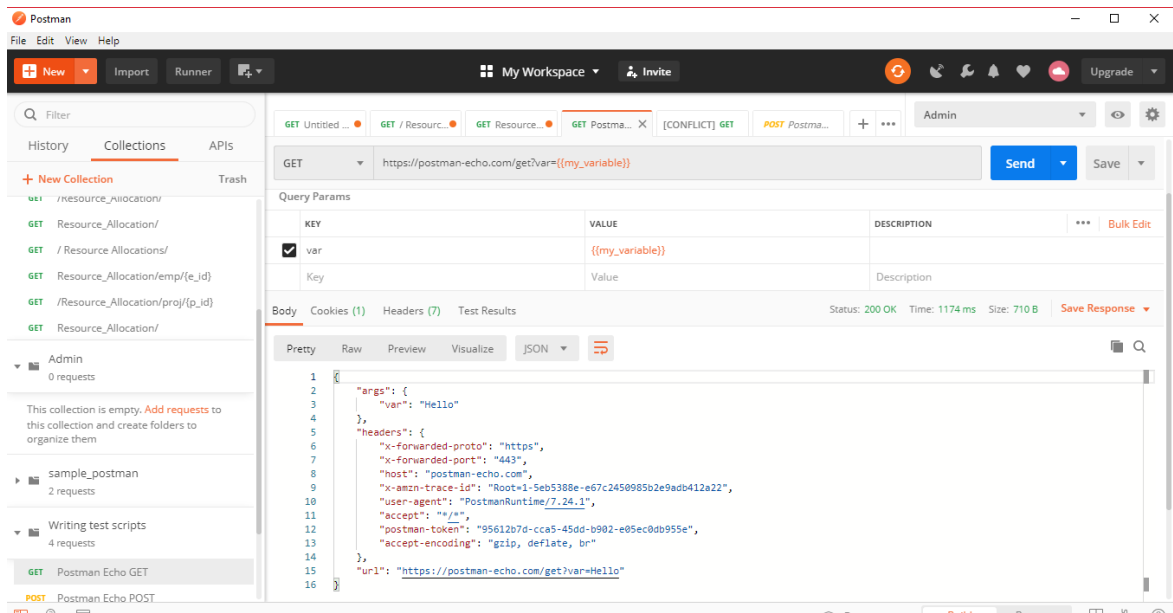
Click the Environment quick look (eye button) in the top right of Postman and click Edit next to Global.

2.Add a variable named my_variable and give it an initial value of Hello—click Save and close the environment modal.

3.Open a new request tab and enter https://postman-echo.com/get?var={{my_variable}} as the URL. Hover over the variable name and you'll see the value.

4.Send the request. In the response, you'll see that Postman sent the variable value to the API. Try changing the value in the Environment quick look and sending the request again.





Newman Installation:

Install NodeJS and npm. Newman is written in NodeJS and the official copy is available through npm. Install nodejs and npm for windows.

Install Newman globally, to set up Newman as a command line tool in Window.

Run an API through a command line.

```
Command Prompt
Microsoft Windows [Version 10.0.18362.778]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Ankita.lunawat>cd //
The system cannot find the path specified.

C:\Users\Ankita.lunawat>cd ..

C:\Users>cd C:\Users\Ankita.lunawat\Downloads

C:\Users\Ankita.lunawat\Downloads>npm install -g newman
C:\Users\Ankita.lunawat\AppData\Roaming\npm\newman -> C:\Users\Ankita.lunawat\AppData\Roaming\npm\node_modules\newman\bin\newman.js
+ newman@5.0.0
added 163 packages from 197 contributors in 70.974s

C:\Users\Ankita.lunawat\Downloads>newman -v
5.0.0

C:\Users\Ankita.lunawat\Downloads>newman run C:\Users\Ankita.lunawat\Downloads
```

Run a collection using Newman :

Run this collection inside Newman, using the command below. If everything is set up nicely, you should see the output below.

```
cmd Command Prompt
C:\>newman run C:\Users\Ankita.lunawat\Downloads\demo.json
newman

Writing test scripts

> Postman Echo GET
GET https://postman-echo.com/get?var={{my_variable}} [200 OK, 757B, 1568ms]

> Postman Echo POST
POST https://postman-echo.com/post [200 OK, 822B, 286ms]

> Postman Echo PUT
PUT https://postman-echo.com/put [200 OK, 949B, 298ms]

> Postman Echo DELETE
DELETE https://postman-echo.com/delete [200 OK, 954B, 276ms]
```

	executed	failed
iterations	1	0
requests	4	0
test-scripts	7	0
prerequest-scripts	5	0
assertions	0	0
total run duration: 2.7s		
total data received: 2.19KB (approx)		
average response time: 607ms [min: 276ms, max: 1568ms, s.d.: 554ms]		

Creating project in Jenkins:

Install jenkins on your local system and access it by using <http://localhost:8080>.

Ankita Lunawat

Project postman project

add description
Disable Project

Workspace
Recent Changes

Permalinks

- [Last build \(#9\) · 1 hr 44 min ago](#)
- [Last stable build \(#9\) · 1 hr 44 min ago](#)
- [Last successful build \(#9\) · 1 hr 44 min ago](#)
- [Last failed build \(#9\) · 1 hr 45 min ago](#)
- [Last unsuccessful build \(#8\) · 1 hr 45 min ago](#)
- [Last completed build \(#9\) · 1 hr 44 min ago](#)

Build History

	find	
#9	May 8, 2020 2:54 PM	
#8	May 8, 2020 2:53 PM	

Create a new job by clicking on the “New Item” link on the left sidebar > Select a “Freestyle Project” from the options > Name your project.

Enter an item name

postman_project

Required field

Freestyle project
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

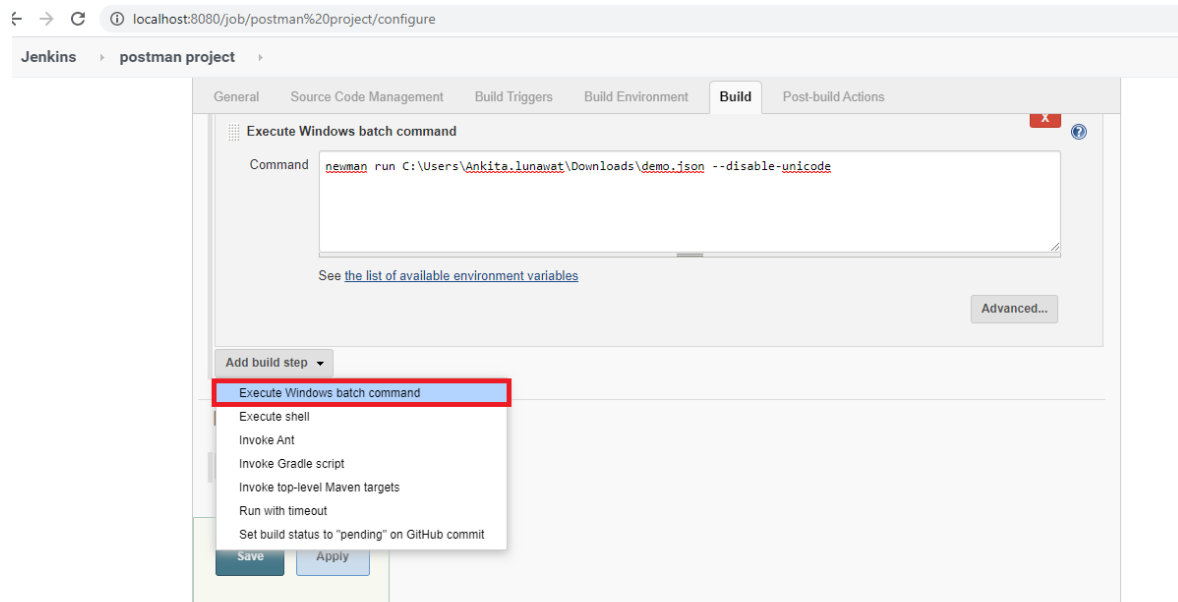
Multi-configuration project
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.

Folder
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.

GitHub Organization
Creates a GitHub organization (or user account) for all repositories matching some defined markers.

OK

Add a build step in the project. And select the Executes windows batch command.



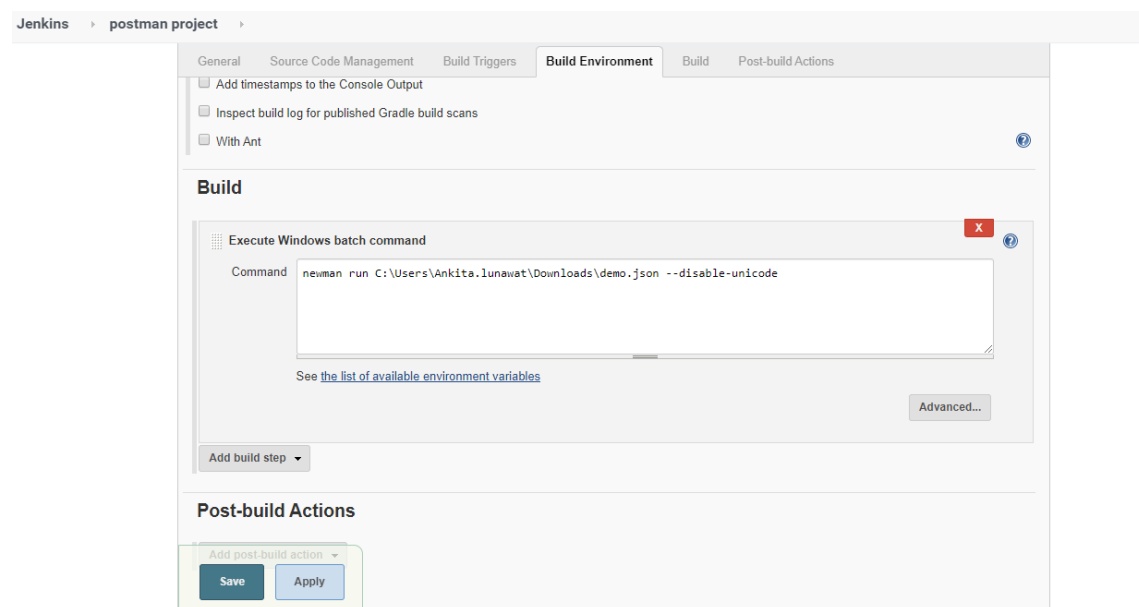
Insert below command in cmd :

```
newman run C:\Users\Ankita.lunawat\Downloads\demo.json --disable-Unicode.
```

the Newman command parameter "suppress-exit-code" uses the value.

Above command excutes the project demo.json. Newman provides the flag `--disable-unicode` to remove the Unicode text from the logs.

Click the Save button to finish creating the project.



Save the changes and click on Build Now. Now, the console gives a expected visually structured output.

Run this build test manually by clicking on the “Build Now” link in the sidebar.

You can check the “Console Output” by clicking on link in the sidebar to see what Newman returned.

The screenshot shows the Jenkins web interface. The top navigation bar includes the Jenkins logo, a search bar, and the user name 'Ankita Lunawat' with a 'log out' button. The breadcrumb trail is 'Jenkins > postman project > #11'. The left sidebar contains links: 'Back to Project', 'Status', 'Changes', 'Console Output' (selected), 'View as plain text', 'Edit Build Information', 'Delete build '#11'', and 'Previous Build'. The main content area is titled 'Console Output' and displays the following text:

```
Started by user Ankita Lunawat
Running as SYSTEM
Building in workspace C:\Users\Ankita.Lunawat\.jenkins\workspace\postman project
[postman project] $ cmd /c call C:\Users\ANKITA~1.LUN\AppData\Local\Temp\jenkins5235548468655431333.bat

C:\Users\Ankita.Lunawat\.jenkins\workspace\postman project>newman run C:\Users\Ankita.Lunawat\Downloads\demo.json --disable-unicode
newman

Writing test scripts

Root Postman Echo GET
GET https://postman-echo.com/get?vars={my_variable} [200 OK, 751B, 1252ms]

Root Postman Echo POST
POST https://postman-echo.com/post [200 OK, 940B, 281ms]

Root Postman Echo PUT
PUT https://postman-echo.com/put [200 OK, 815B, 271ms]

Root Postman Echo DELETE
DELETE https://postman-echo.com/delete [200 OK, 950B, 281ms]
```

Below the console output, there is a summary table:

	executed	failed
iterations	1	0
requests	4	0
test-scripts	7	0
prerequisite-scripts	5	0
assertions	0	0

Additional summary information:

- total run duration: 2.2s
- total data received: 2.18KB (approx)
- average response time: 521ms [min: 271ms, max: 1252ms, s.d.: 421ms]

Finished: SUCCESS

The footer of the page states: 'Page generated: May 8, 2020 4:40:58 PM IST REST API Jenkins ver. 2.222.3'.

Ankita Lunawat

These tests inside Postman integration with Jenkins tool.