



Phase3-Lesson2-APITesting New Import GET LocalValue CollectionRUN-newman Runner + dev

Collections

- ApiTesting-Lesson2
 - CollectionRUN-newman
 - GET GetMethod-Demo
 - HEAD HEADMethod-Demo
 - OPT OptionsMethod-Demo
 - PATCH PATCHMethod
 - Variables-Demo

Run order

Deselect All Select All Reset

- ☒ GET GetMethod-Demo
- ☒ HEAD HEADMethod-Demo
- ☒ OPT OptionsMethod-Demo
- ☒ PATCH PATCHMethod

Functional Performance

Choose how to run your collection

- ☐ Run manually
Run this collection in the Collection Runner.
- ☐ Schedule runs
Periodically run collection at a specified time on the Postman Cloud.
- ☒ Automate runs via CLI
Configure CLI command to run on your build pipeline.

Run on Postman CLI

Automate using Postman's command-line tool. [Download Postman CLI](#)

Copy this command and run it in your local terminal.

```
postman login --with-api-key Add API Key  
postman collection run 17738345-fd5882de-7fba-4b2d-aeb3-678d24b42892 -e 17738345-4899fcd6-7cae-46c2-9546-ca4a54668499
```

① You can view all your runs for this collection under the [runs tab](#).

Run on CI/CD

[Configure command](#) to run collection on CI/CD pipeline.

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Generate Postman CLI Configuration

Run your tests and validations on CI/CD using Postman CLI configuration. [Download Postman CLI](#)

Choose the collections you want to run

Collection: Variables-Demo Environment: dev

+ Add Another Collection

CI/CD configuration

CI/CD Provider: Jenkins Operating system for CI/CD: Windows

Postman CLI command preview

Jenkins Search (CTRL+K) ? 1 2 admin

Dashboard > All >

Enter an item name

postmanpipeline1

> 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.

Maven project
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.

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.

Postman CLI command preview

```
Copy this command and paste it to your build configuration file

2 # install the server on a windows machine by following https://www.jenkins.io/doc/book/installing/windows/
3 # once it has been setup add the below step to your pipeline file to run automated tests using Postman CLI.
4
5 pipeline {
6   agent any
7
8   tools {nodejs "your_nodejs_configured_tool_name"}
9
10  stages {
11    stage('Install Postman CLI') {
12      steps {
13        sh 'powershell.exe -NoProfile -InputFormat None -ExecutionPolicy AllSigned -Command "[System.Net.
14          ServicePointManager]::SecurityProtocol = 3072; iex ((New-Object System.Net.WebClient).DownloadString
15            ('https://dl-cli.pstmn.io/install/win64.ps1'))'"
16      }
17    }
18  }
19
20  stage('Postman CLI Login') {
```

Note: Postman API key is needed to log in to Postman CLI

localhost:8080/job/postmanpipeline1/configure

Dashboard > postmanpipeline1 > Configuration

Configure

- General
- Advanced Project Options
- Pipeline

```
16 steps {
17   sh 'postman login --with-api-key $POSTMAN_API_KEY'
18 }
19
20
21 stage('Running collection') {
22   steps {
23     sh 'postman collection run "17730345-969b0d23-81ed-4fd2-bab6-69a35846dfe8" -e "17730345-4899fcd6-7cae-46c2"'
24   }
25 }
26
27
```

☒ Use Groovy Sandbox ?

[Pipeline Syntax](#)

Save Apply

Dashboard > postmanpipeline1 > Pipeline Syntax

Back

Snippet Generator

Declarative Directive Generator

Declarative Online Documentation

Steps Reference

Global Variables Reference

Online Documentation

Example Reference

Overview

This **Snippet Generator** will help you learn the Pipeline Script code which can be used to define various steps. Pick a step you are interested in from the list, configure it, click **Generate Pipeline Script**, and you will see a Pipeline Script statement that would call the step with that configuration. You may copy and paste the whole statement into your script, or pick up just the options you care about. (Most parameters are optional and can be omitted in your script, leaving them at default values.)

Steps

Sample Step

bat: Windows Batch Script

> Pipeline Syntax

Sample Step

bat: Windows Batch Script

bat

Batch Script ?

```
powershell.exe -NoProfile -InputFormat None -ExecutionPolicy AllSigned -Command "[System.Net.ServicePointManager]::SecurityProtocol = 3072; iex ((New-Object System.Net.WebClient).DownloadString('https://dl-cli.pstmn.io/install/win64.ps1'))"
```

Advanced ▾

Generate Pipeline Script

```
bat 'powershell.exe -NoProfile -InputFormat None -ExecutionPolicy AllSigned -Command "[System.Net.ServicePointManager]::SecurityProtocol = 3072; iex ((New-Object System.Net.WebClient).DownloadString('https://dl-cli.pstmn.io/install/win64.ps1'))'
```

localhost:8080/job/postmanpipeline1/configure

Dashboard > postmanpipeline1 > Configuration

```
2 pipeline {
3   agent any
4
5   tools {nodejs 'node'}
6
7
8   stages {
9     stage('Install Postman CLI') {
10      steps {
11        bat 'powershell.exe -NoProfile -InputFormat None -ExecutionPolicy AllSigned -Command "[System.Net.ServicePointManager]::SecurityProtocol = 3072; iex ((New-Object System.Net.WebClient).DownloadString('https://dl-cli.pstmn.io/install/win64.ps1'))'
```

Sonal
View your profile

Profile
Account
Notifications
Active sessions
Teams
API keys

API keys

Fetch live Postman data to integrate with your build system and tool chain, auto-export to your repository and even create converters.

API key settings

☐ Never expire API keys ☒ API keys expire after 60 days of inactivity

Save API Key Settings

API keys

Name	API key	Created on	Last used	Status
testKey	PMAC-61a45a21d78bd6003bdb8b21-XXXX	29 Nov, 2021	6 Dec, 2021	⚠
keyrest	PMAC-61ade3ac0647ea0035bd0a63-XXXX	6 Dec, 2021	7 Dec, 2021	⚠
newkey	PMAC-6543b7fb6d0f58002a8ebe36-XXXX	2 Nov, 2023	5 Nov, 2023	🟢

Collection access keys

Collection	Key	Created on	Created by
------------	-----	------------	------------

Regenerate
Rename
Delete

Sonal
View your profile

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Notifications

Active sessions

Teams

API keys

API keys

Fetch live Postman data to integrate with your build system and tool chain, auto-export to your repository and even create converters.

API key settings

☐ Never expire API keys ☒ API keys expire after

60

 days of inactivity

Regenerate API key

×

This will regenerate your API key and provides you with a new one. Your existing key will be automatically deleted in 6 hours.

☒ Delete the existing key now

Cancel

Regenerate API Key

Name	Last used	Status
test	6 Dec, 2021	⚠
key	7 Dec, 2021	⚠
newkey	2 Nov, 2023	5 Nov, 2023

API Key regenerated

×

⚠ Make sure you copy this API key now. This is the only time you'll see it unencrypted.

f58002a8ebe36-aa948969d53e3aa5755579e44ae8074251

📋

Copy to Clipboard

Never expire API keys ☐ API keys expire after

60

 days of inactivity

Save

API

Name	Last used	Status
test	6 Dec, 2021	⚠
key	7 Dec, 2021	⚠
newkey	2 Nov, 2023	5 Nov, 2023

Collection access keys

Collection	Key	Created on	Created by
------------	-----	------------	------------

Dashboard > postmanpipeline1 > Configuration

2

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15

16

17

18

19

```
pipeline {  
  agent any  
  
  tools {  
    nodejs 'node'  
  }  
  
  stages {  
    stage('Install Postman CLI') {  
      steps {  
        bat 'powershell.exe -NoProfile -InputFormat None -ExecutionPolicy AllSigned -Command "[System.Net.Service  
      }  
    }  
  
    stage('Postman CLI Login') {  
      steps {  
        bat 'postman login --with-api-key PMAK-6543b7fb6d0f58002a8ebe36-aa948969d53e3aa5755579e44ae8074251'  
      }  
    }  
  }  
}
```

try sample pipeline...

Dashboard > postmanpipeline1 > Configuration

```
12     }
13   }
14
15   stage('Postman CLI Login') {
16     steps {
17       bat 'postman login --with-api-key PMAK-6543b7fb6d0f58002a8ebe36-aa948969d53e3aa5755579e44ae8074251'
18     }
19   }
20
21   stage('Running collection') {
22     steps {
23       bat 'postman collection run "17730345-969b0d23-81ed-4fd2-bab6-69a35846dfe8" -e "17730345-4899fcd6-7cae-46678d24b42892"'
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```

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