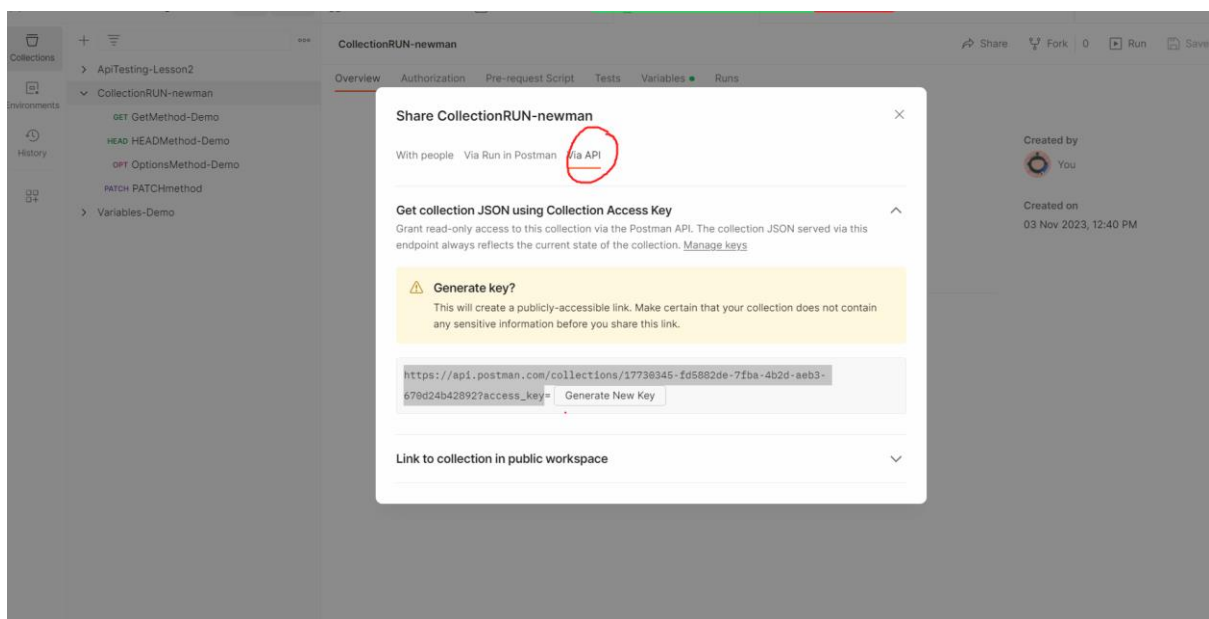
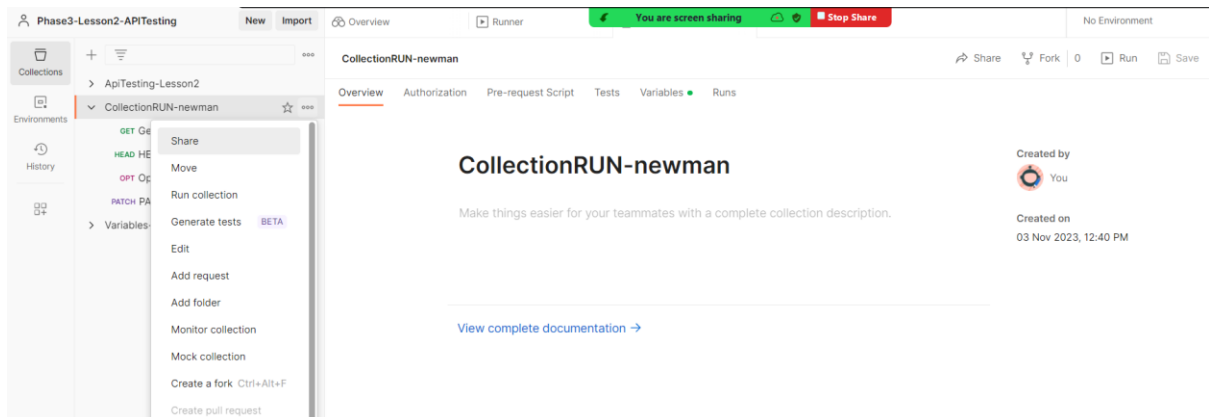
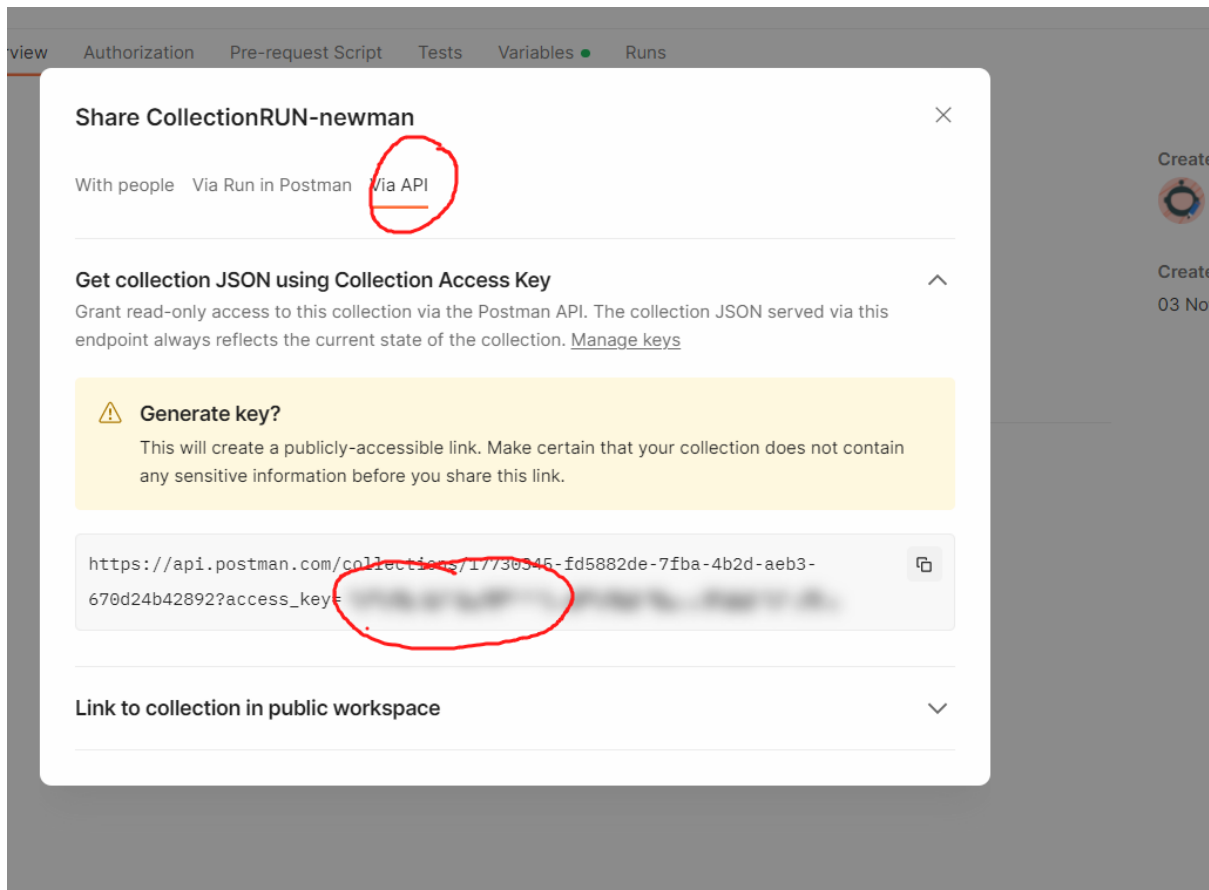


Run the collection remotely using collection URL



Click on Generate new key and copy the URL

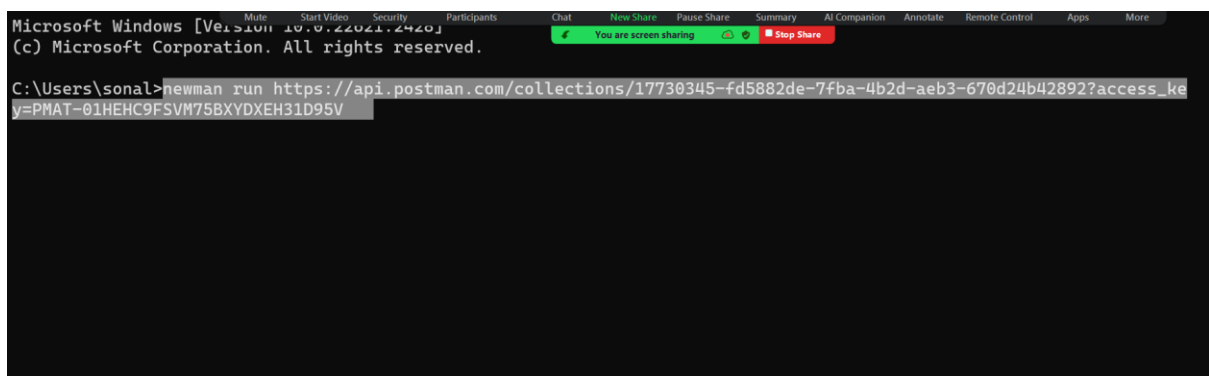


Carefully copy the URL.

https://api.postman.com/collections/17730345-fd5882de-7fba-4b2d-aeb3-670d24b42892?access_key=PMAT-01HEHC9FSVM75BXDXEH31D95V

Now go to cmd prompt of windows and execute the newman command

newman run <Copied URL>



It will run the collection successfully.

CollectionRUN-newman

```
→ GetMethod-Demo
  GET https://api.postman.com/workspaces [401 Unauthorized, 560B, 416ms]

→ HEADMethod-Demo
  HEAD https://api.postman.com/workspaces [401 Unauthorized, 440B, 287ms]

→ OptionsMethod-Demo
  OPTIONS https://api.postman.com/workspaces [200 OK, 285B, 281ms]

→ PATCHmethod
  PATCH https://jsonplaceholder.typicode.com/posts/2 [200 OK, 1.4kB, 1025ms]
```

You are screen sharing C.O. Stop Share

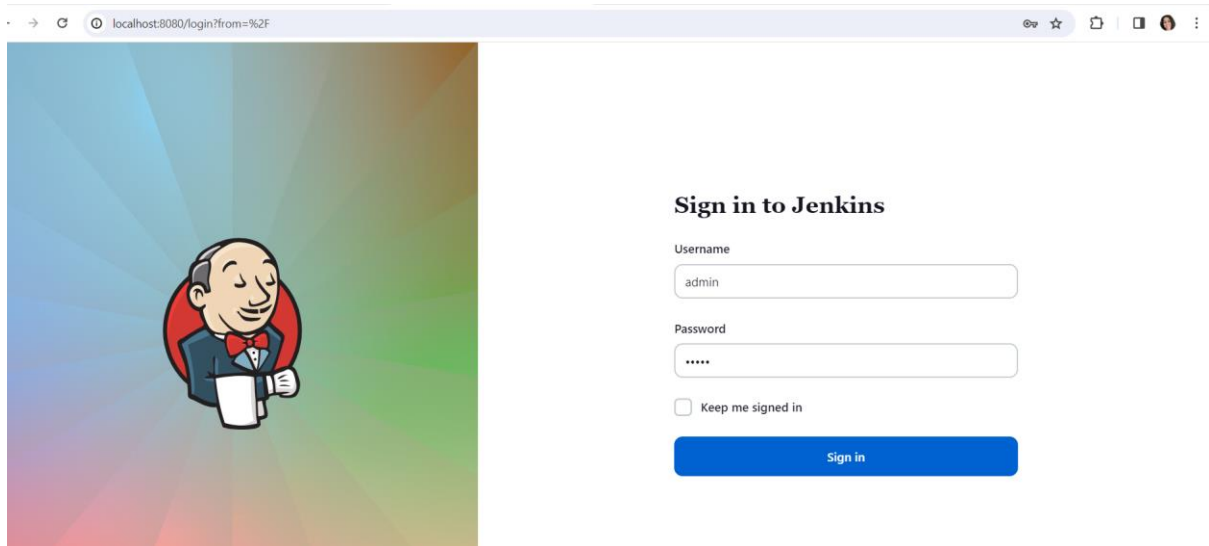
```
→ HEADMethod-Demo
  HEAD https://api.postman.com/workspaces [401 Unauthorized, 440B, 287ms]

→ OptionsMethod-Demo
  OPTIONS https://api.postman.com/workspaces [200 OK, 285B, 281ms]

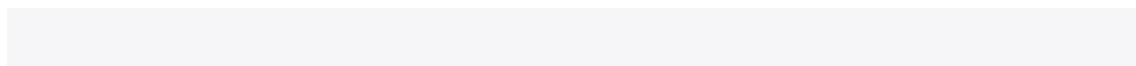
→ PATCHmethod
  PATCH https://jsonplaceholder.typicode.com/posts/2 [200 OK, 1.4kB, 1025ms]
```

	executed	failed
iterations	1	0
requests	4	0
test-scripts	4	0
prerequest-scripts	4	0
assertions	0	0
total run duration: 3s		
total data received: 400B (approx)		
average response time: 502ms [min: 281ms, max: 1025ms, s.d.: 306ms]		

Run collection with Jenkins using postman CLI



Download nodejs plugin in Jenkins



Plugins

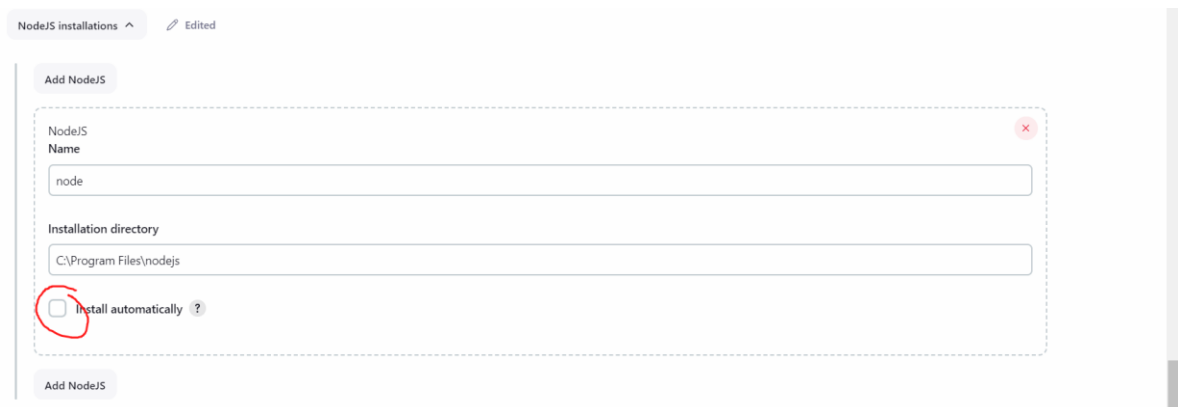
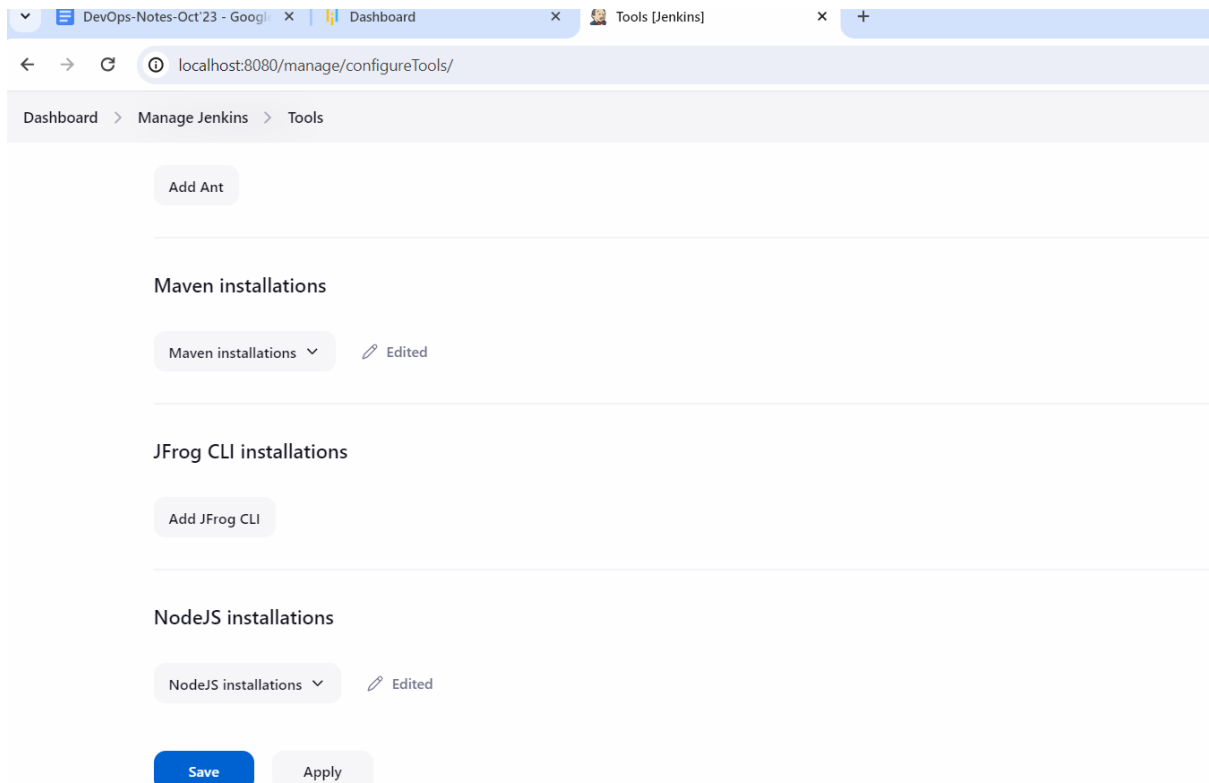
🔍 nodejs

Name ↓

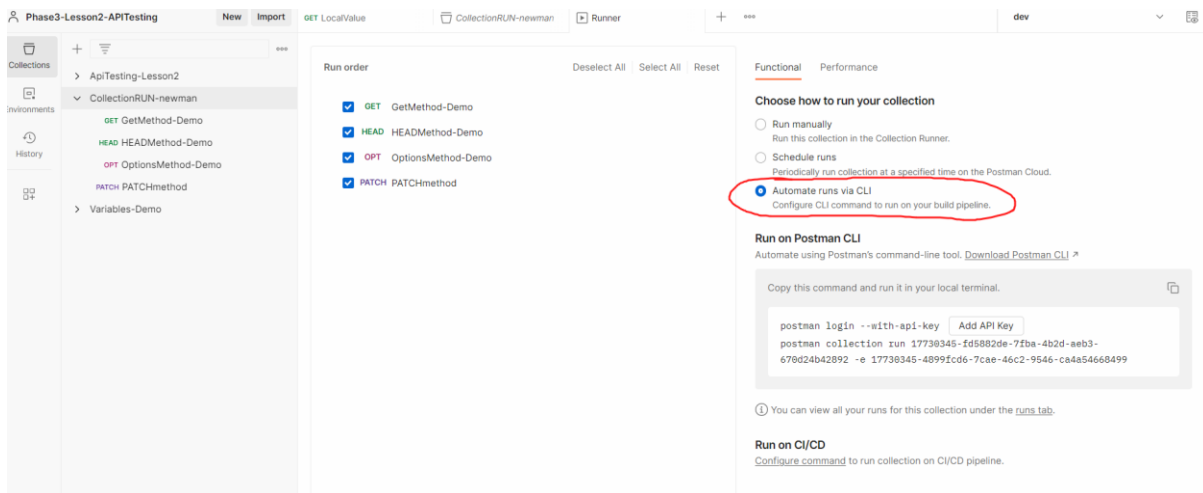
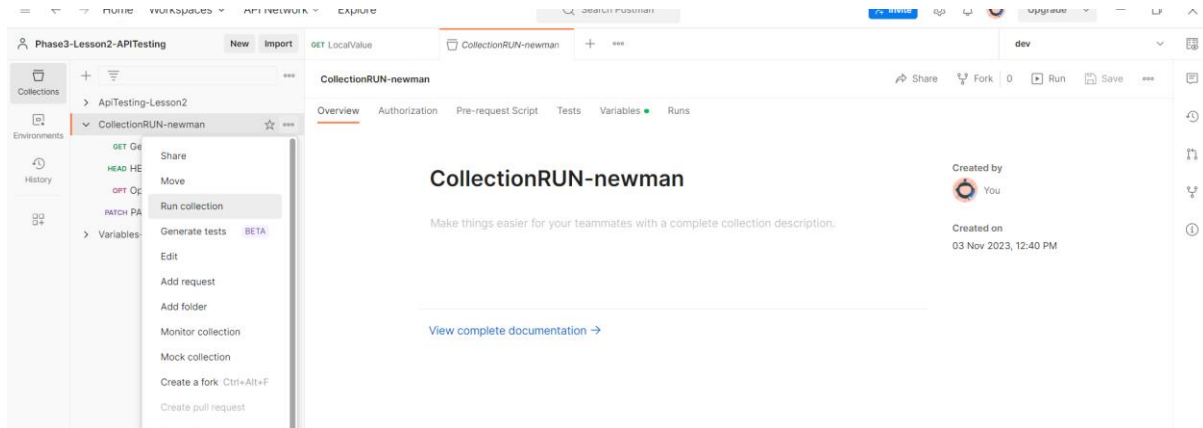
NodeJS Plugin 1.6.1

NodeJS Plugin executes **NodeJS** script as a build step.

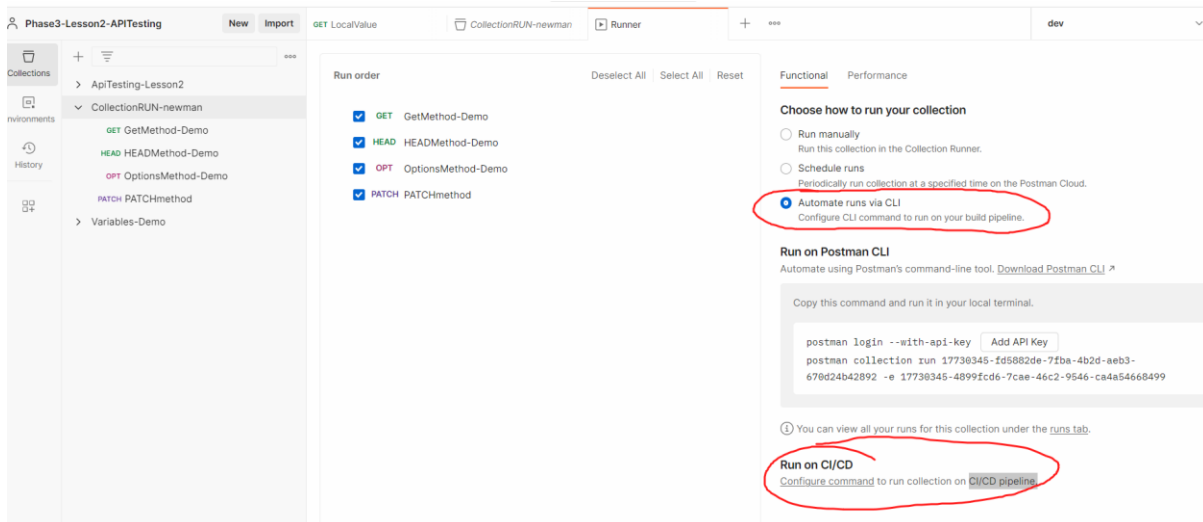
[Report an issue with this plugin](#)



Now go to collection runner



Click on configure command



Phase3-Lesson2-APITesting New Import GET LocalValue CollectionRUN-newman Runner Postman CLI Configuration dev

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

CI/CD configuration

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

Postman CLI command preview



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.

Now copy the entire script form postman

Postman CLI command preview

Copy this command and paste it to your build configuration file

```

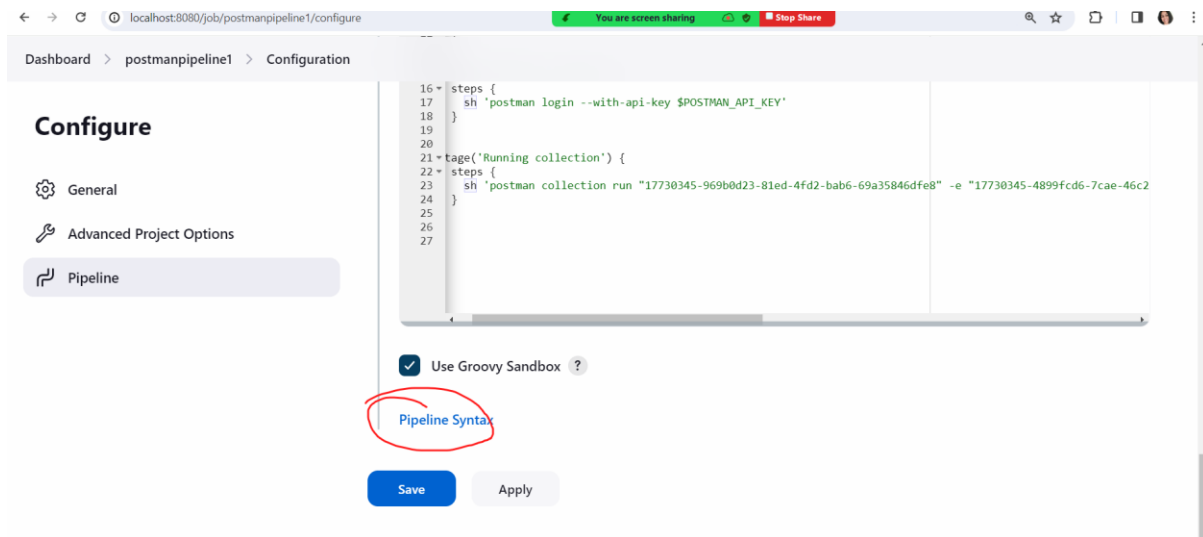
1 # Install the server on a windows machine by following https://www.jenkins.io/doc/book/installing/windows/
2 # once it has been setup add the below step to your pipeline file to run automated tests using Postman CLI.
3
4
5 pipeline {
6   agent any
7
8   tools {nodejs "{your_nodejs_configured_tool_name}"}
9
10  stages {
11    stage('Install Postman CLI') {
12      steps {
13        sh 'powershell.exe -NoProfile -InputFormat None -ExecutionPolicy AllSigned -Command "[System.Net.ServicePointManager]::SecurityProtocol = 3072; iex ((New-Object System.Net.WebClient).DownloadString('https://dl-cli.pstmn.io/install/win64.ps1'))'"
14      }
15    }
16
17    stage('Postman CLI Login') {
18
19
20
21
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```

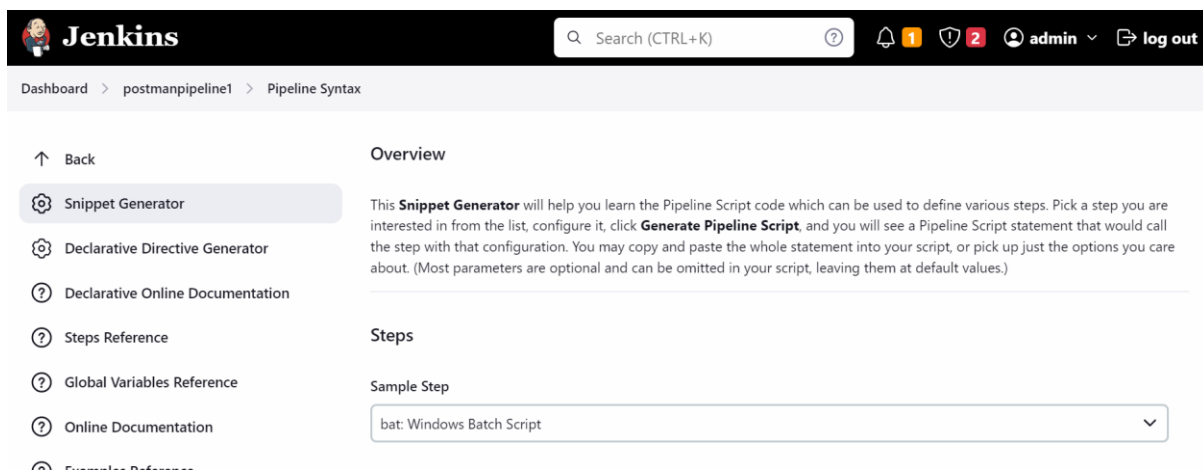
Note: Postman API key is needed to log in to Postman CLI

Copy this pipeline in Jenkins Job

Click on Pipeline syntax



Here select 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'))'"

Now go to jenkins job.. remove the sh command in first stage and add the bta command

localhost:8080/job/postmanpipeline1/configure

Dashboard > postmanpipeline1 > Configuration

```

2
3 pipeline {
4   agent any
5
6   tools {nodejs 'node'}
7
8   stages {
9     stage('Install Postman CLI') {
10      steps {
11        bat 'powershell.exe -NoProfile -InputFormat None -ExecutionPolicy AllSigned -Command "[System.Net.Service
12      ]'
13    }
14  }

```

Get the api key from postman

API keys

Generate API Key

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	PMAK-61a45a21d78bd6003bdb8b21-XXXX	29 Nov, 2021	6 Dec, 2021	...
keyrest	PMAK-61ade3ac0647ea0035bd0a63-XXXX	6 Dec, 2021	7 Dec, 2021	...
newkey	PMAK-6543b7fb6d0f58002a8ebe36-XXXX	2 Nov, 2023	5 Nov, 2023	...

Collection access keys

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

Regenerate
Rename
Delete

API keys

Generate API Key

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	PMAK-61a45a21d78bd6003bdb8b21-XXXX	29 Nov, 2021	6 Dec, 2021	...
keyrest	PMAK-61ade3ac0647ea0035bd0a63-XXXX	6 Dec, 2021	7 Dec, 2021	...
newkey	PMAK-6543b7fb6d0f58002a8ebe36-XXXX	2 Nov, 2023	5 Nov, 2023	...

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

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	PMAK-61a45a21d78bd6003bdb8b21-XXXX	29 Nov, 2021	6 Dec, 2021	
keyrest	PMAK-61ade3ac0647ea0035bd0a63-XXXX	6 Dec, 2021	7 Dec, 2021	
newkey	PMAK-6543b7fb6d0f58002a8ebe36-XXXX	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

Go to Jenkins pipeline code

Stage 2 -> change sh to bat

And replace \$POSTMAN_API_KEY to the actual postman apikey value

```
Dashboard > postmanpipeline1 > Configuration

2
3 pipeline {
4   agent any
5
6   tools {nodejs 'node'}
7
8   stages {
9     stage('Install Postman CLI') {
10      steps {
11        bat 'powershell.exe -NoProfile -InputFormat None -ExecutionPolicy AllSigned -Command "[System.Net.Service
12      }
13    }
14
15    stage('Postman CLI Login') {
16      steps {
17        bat 'postman login --with-api-key PMAK-6543b7fb6d0f58002a8ebe36-aa948969d53e3aa5755579e44ae8074251'
18      }
19    }
20  }
```

```
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-46
24    }
25  }
26 }
27 }
```

GITHUB API

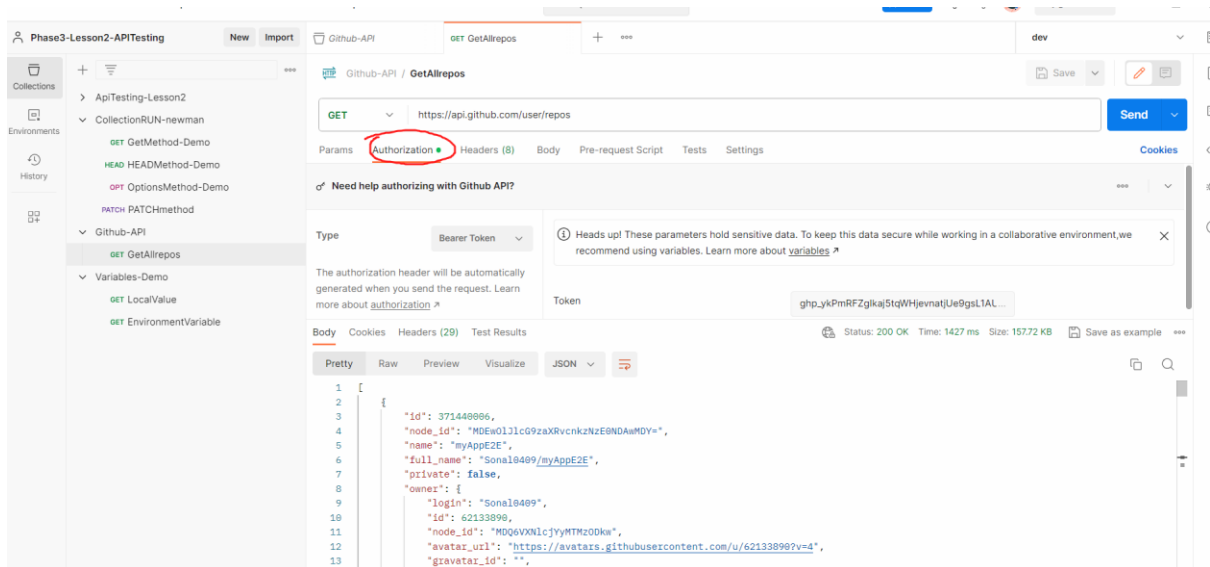
Give the below URL

In github create personal access token

In the postman request go to authorization section

Select bearer token

And give token = {{github personaltoken}}



Get a specific repo

