

# FULL STACK



## Automation Testing

## Remote Execution





# A Day in the Life of an Automation Testing Engineer

John has been assigned a task to run Collections in Postman remotely because the system with the Collection files is not with the team.

As a result, John is exploring the capabilities of Postman to perform remote execution.

After completing this lesson, John can execute Collections in Postman remotely.



## Learning Objectives

By the end of this lesson, you will be able to:

- 🕒 Identify remote execution
- 🕒 Explain how remote execution works in Postman
- 🕒 List the steps to perform remote execution in Postman



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## Introduction to Remote Execution

# What Is Remote Execution?

Remote execution is a process by which users can use a remote computer and the services available on the computer.



**Terminal**



**Local  
computer**



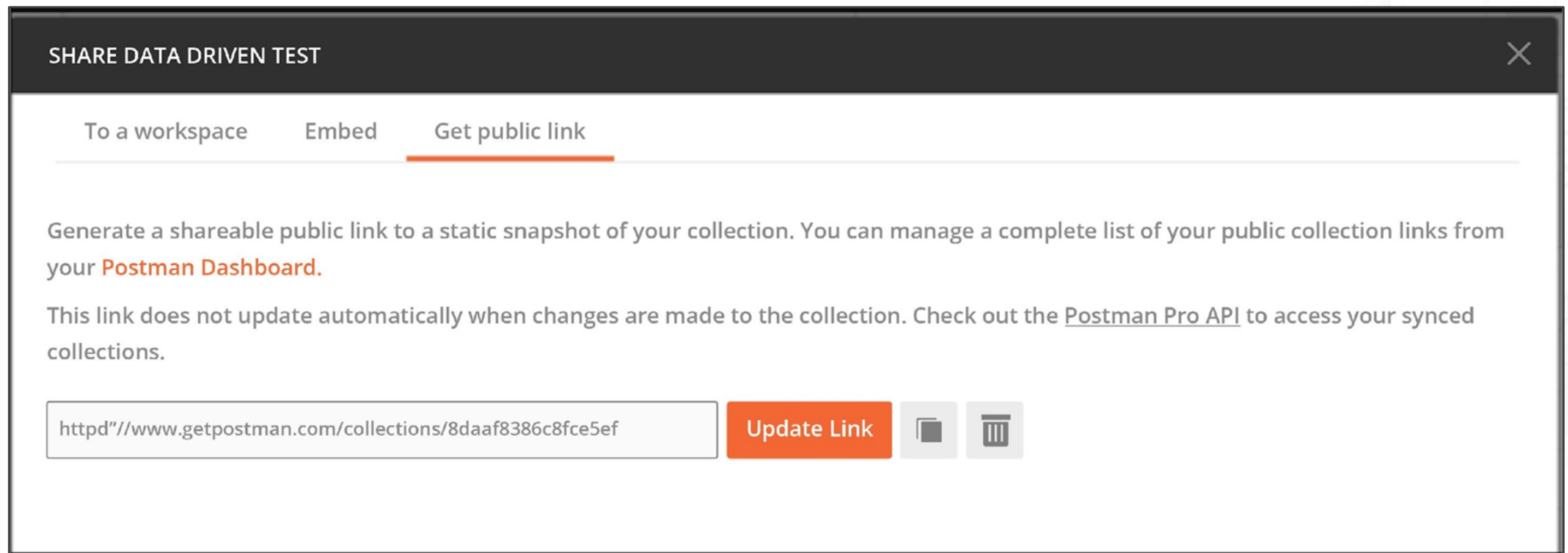
**Network**



**Remote  
computer**

# Remote Tests with Postman

Postman allows users to create their tests in a Collection. They can run the Collection with the created tests on any system provided a public link gets generated for that Collection.



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## Remote Connection in Postman



# Advantages of Remote Connection with Postman

Newman CLI is used to access the Collection in Postman remotely. It offers several advantages, such as:

1. Users can run and test their Collection easily every time they make changes with the Newman CLI's assistance.
2. While running Newman with a local JSON file, users can run and test a Postman Collection in an ad-hoc manner. It works as an alternative if users wish to run a collection but do not have a regular CI/CD procedure.

# Other Ways to Run a Collection in Postman

There are several other ways to run a Connection in Postman:

- Using **Console**
- Using **Command line**
  - a) Install Node.js
  - b) install Newman from the **Command line**
  - c) Export the **Collection** in JSON file
  - d) Run the **Newman** command
- Using **Jenkins**
  - a) Set up a job in **Jenkins**
  - b) Create a freestyle project
  - c) Add **Execute Windows Batch Command** in **Build Step**
  - d) Access to the **Collection** folder
  - e) Run the **Collection**



## Key Takeaways

- Remote execution is a process that involves using the services on another computer through a local computer.
- Users can run Collections remotely through the Newman tool.
- They can run Collections remotely by using the command:  
`newman run <copied URL>`

