A close-up of a logo

Description automatically generated

### Exporting and Running Collections with Newman

**Classroom Session: Run Collection with All Variables and Data File Generating the Report**

**Learning Objective:** The objective of this session is to learn how to export collections, environment variables, global variables, and data files from Postman, and then execute these collections using Newman with and without reporting.

**Expected Completion Time:**

* Best Case: 20 minutes
* Average Case: 30 minutes

**Session Details:**

**Exporting Collection, Environment Variables, Global Variables, and Data Files**

**Precondition Steps:**

**Step 1: Export Collection**

1. In Postman, go to the Collections tab.
2. Select the collection you want to export.
3. Click on the three dots (⋮) next to the collection name.
4. Select "**Export**".
5. Choose the collection format (preferably) and save the file as collectionname.json.

**Step 2: Export Environment Variable**

1. Go to the Environments tab.
2. Select the environment you want to export.
3. Click on the three dots (⋮) next to the environment name.
4. Select "Export".
5. Save the file as environmentvariable.json.

**Step 3: Export Global Variable**

1. Click on the "Manage Environments" gear icon in the top right.
2. Go to the "Globals" tab.
3. Click on the "Download" button.
4. Save the file as globalvariable.json.

**Step 4: Export Data Files**

1. Prepare your data file as per the required format (CSV or JSON).
2. Save the data file as datafile.csv.

**Step 5: Place All Files in a Folder**

1. Create a new folder on your computer.
2. Move collectionname.json, environmentvariable.json, globalvariable.json, and datafile.csv into this folder.

**Execution of Newman Commands**

**Step-by-Step Guide:**

**Open Command Prompt from the Path Where All Files Are Placed**

1. Navigate to the folder containing your files.
2. Open the command prompt from this path.

**Command 1: Execute Collection Without Report**

***newman run collectionname.json -e environmentvariable.json -g globalvariable.json -d datafile.csv***

* This command runs the specified collection with the environment and global variables, as well as the data file, without generating a report.

**Command 2: Execute Collection with Reporting**

***newman run Chaining.postman\_collection.json -e SIT.postman\_environment.json -g workspace.postman\_globals.json -d DataCSV.csv -r htmlextra***

* This command runs the specified collection with environment and global variables, and the data file, and generates a report in HTML format using the htmlextra reporter.

**Command 3: Execute Collection with Reporting and Specified Iterations**

***newman run Servicenow.postman\_collection.json -r htmlextra -n 2***

* This command runs the specified collection with the HTML report and specifies the number of iterations to 2.

**Classroom Session**

**Run Collection with All Variables and Data File Generating the Report**

**Part 1: Export and Set Up Variables and Data Files**

1. Follow the steps in the Precondition Steps section to export the necessary files and place them in a folder.

**Part 2: Execute Collection with Newman**

**Step 1: Open Command Prompt from the Path Where All Files Are Placed**

1. Navigate to the folder containing your files.
2. Open the command prompt from this path.

**Step 2: Run the Collection Using Newman Command**

1. Use the following command to run the collection with environment and global variables, data file, and generate a report:

***newman run Chaining.postman\_collection.json -e SIT.postman\_environment.json -g workspace.postman\_globals.json -d DataCSV.csv -r htmlextra***

**Expected Outcome:**

Upon completion, you should be able to:

* Export collections, environment variables, global variables, and data files from Postman.
* Execute Postman collections using Newman with and without reporting.
* Generate reports for executed collections.
* Handle and troubleshoot common mistakes during Newman execution.