Postman set up and usage instructions

Halliburton

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Table of Contents

1 01. Environment and Environment Variables 4
1.1 An environment is a set of variables you can use in your Postman requests. 4
1.2 Additional data: 5
2 02. Test Collection 6
3 03. How to get Bearer Token and VIDA token 8
4 04. Test Request Execution 11
5 05. Automated part - Runner 12
6 9. Useful Links 13

- Video with short introduction about what we are doing here: \\134.132.200.63\share\CementingAgile\VIDA\Knowledge Base\Postman\KT_Session_Postman_11_26_2020.wmv[1]
- In order to test VIDA API user need to download and install Postman app. : https://www.postman.com/downloads/

1 file://134.132.200.63/share/CementingAgile/VIDA/Knowledge Base/Postman/KT_Session_Postman_11_26_2020.wmv

1 01. Environment and Environment Variables

1.1 An environment is a set of variables you can use in your Postman requests.

1. Download latest version of VIDA test environment from: \ \134.132.200.63\share\CementingAgile\VIDA\Knowledge Base\Postman\API_Collection\Main (e.g. 'test_env(28.11.2020)')
2. Add downloaded environment (or replace previous version) in Postman: Manage Environments → Select 'Import' button → Select the environment file from previous step

3. Select imported enveronment to see the list of Environment Variables
4. In Current version following variables are used:
(Please add variables to this table in case of new US implementation Integration Testing phase)

Variable Name	Variable Description
link	Link to VIDA API
sales_order	SO which is used for testing
job_number	Job Number of a job which is used for testing
bearer_token	bearer token received from Windows
vida_token	token received from VIDA. Execute '01 - Basic: Get VIDA Token' request to receive VIDA token and then update 'vida_token' with received value
US402722-ReportFileName	Report File Name from the 'job_number'. Refer to US402722 for more details
US402722_file_name	File Name from the 'job_number'. Refer to US402722 for more details

5. Fill in 'Current Value' column for variables with valid data in order to proceed with testing

1.2 Additional data:

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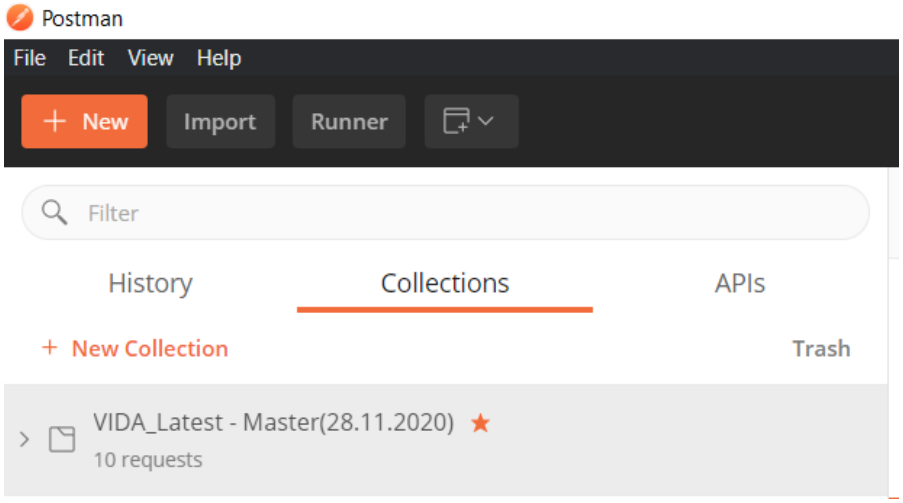
2 02. Test Collection

Postman Collections are a group of saved requests. Collection used in VIDA is called **VIDA - Latest (date)**.

Getting Started.

1. Download latest Postman Collection for VIDA: \\134.132.200.63\share\CementingAgile\VIDA\Knowledge Base\Postman\API_Collection\Main\VIDA_Latest - Master(28.11.2020).postman_collection.json
2. Import downloaded collection into Postman

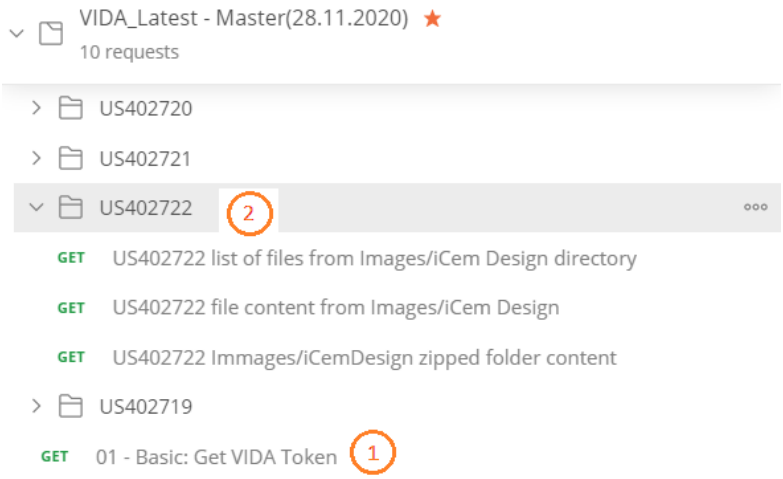
3. Downloaded colection should be available in the Sidebar



VIDA Postman Collection Data Structure.

1. General requests will be available in the root of VIDA_Latest collection

2. US Related requests will be available within US-Related forlder



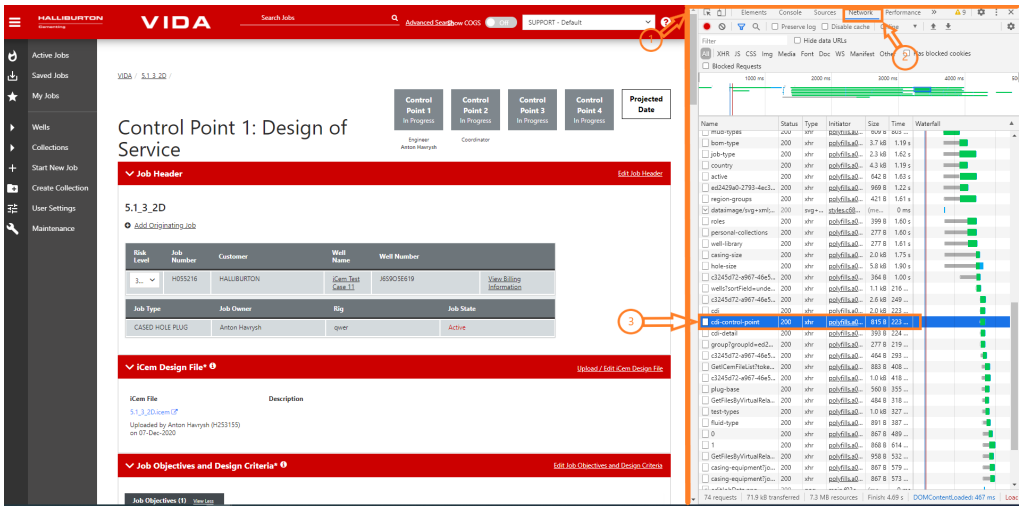
3 03. How to get Bearer Token and VIDA token

NOTE: Bearer Token lives to use - 30 minutes.

VIDA Token lives to use - 24 hours

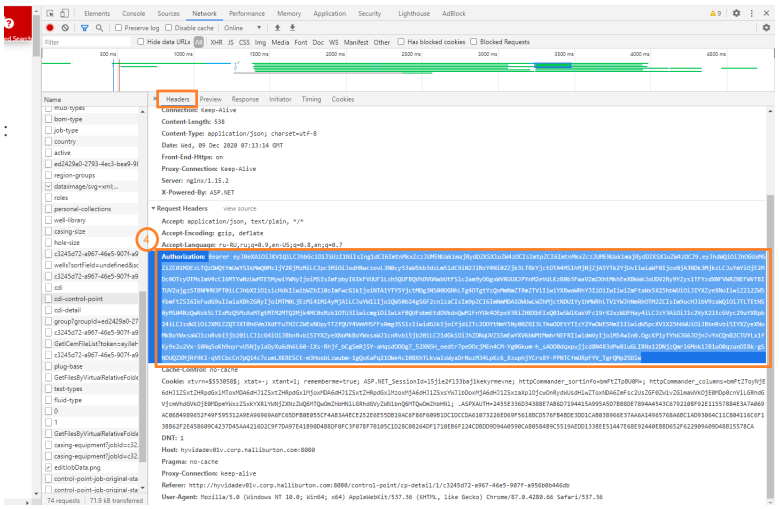
1. Bearer Token

1.1 Open the browser on the environment page that you will be testing (for example http://hyvidadev01v.corp.halliburton.com:8080/) and open the **developer tools console** from that page (press F12 on your keyboard).



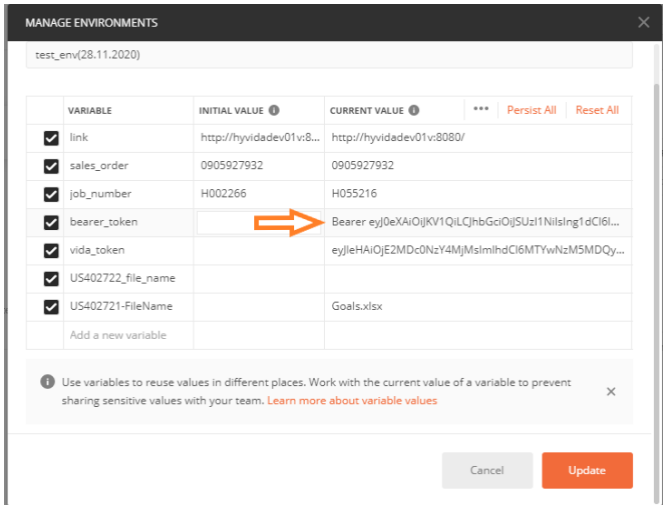
1.2 On **developer tools console "1"** select **Network** page **"2"** and find the response **"3"** with **Status 200 OK** (for example: *cdi-control-point*)

NOTE: The *name of response can be anything, but in* ***Headers*** *of this response must be contain the field* ***"Authorization " "4"*** *in the appropriate format (see the picture below)*



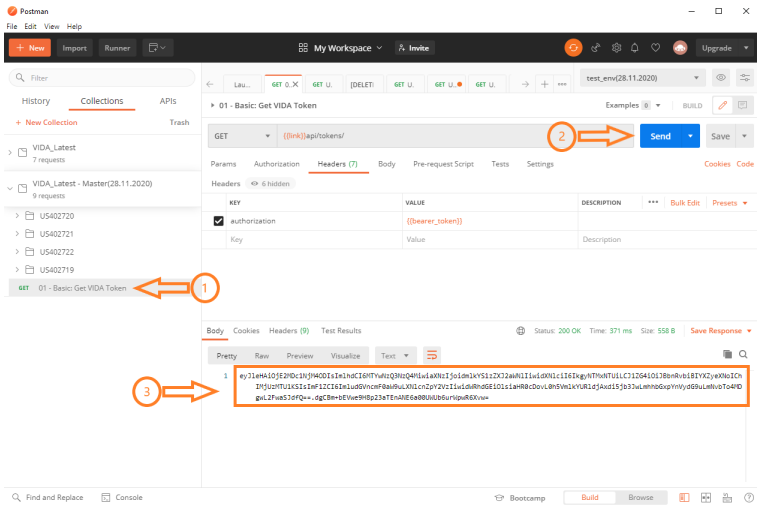
1.3 Select and copy the contents of the "Authorization" field (no space) - **this is a Bearer Token**

1.4 Open Postman=>Manage Environments=> Select the environment (e.g. 'test_env(28.11.2020)') and add Variable Description for **bearer_token** from previous step. When the Variable Description is added, then Update and close the Managers Environments screen.



2. VIDA token

2.1 Open Postman with latest collection(see page 6) and select "01 - Basic: Get VIDA Token" request **"1"**

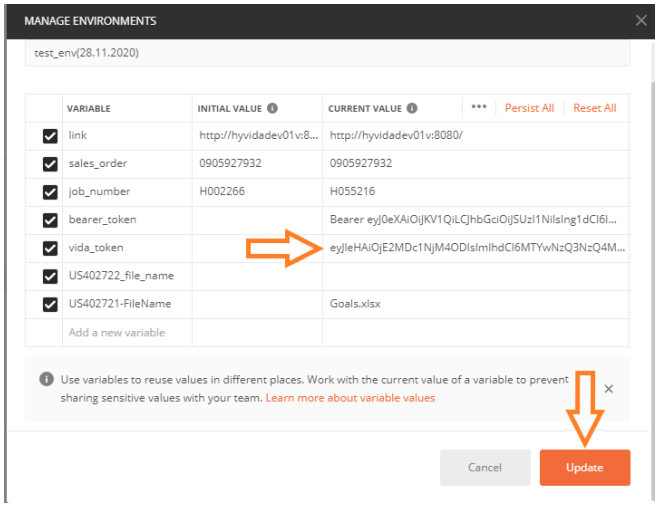


2.2 Press button Send **"2"**

2.3 Status Code of response is **200 OK.** The content of the response *in the appropriate format* **"3"** (see *the picture below)*

2,4 Select and copy the contents of the response (no space) - **this is a Vida Token**

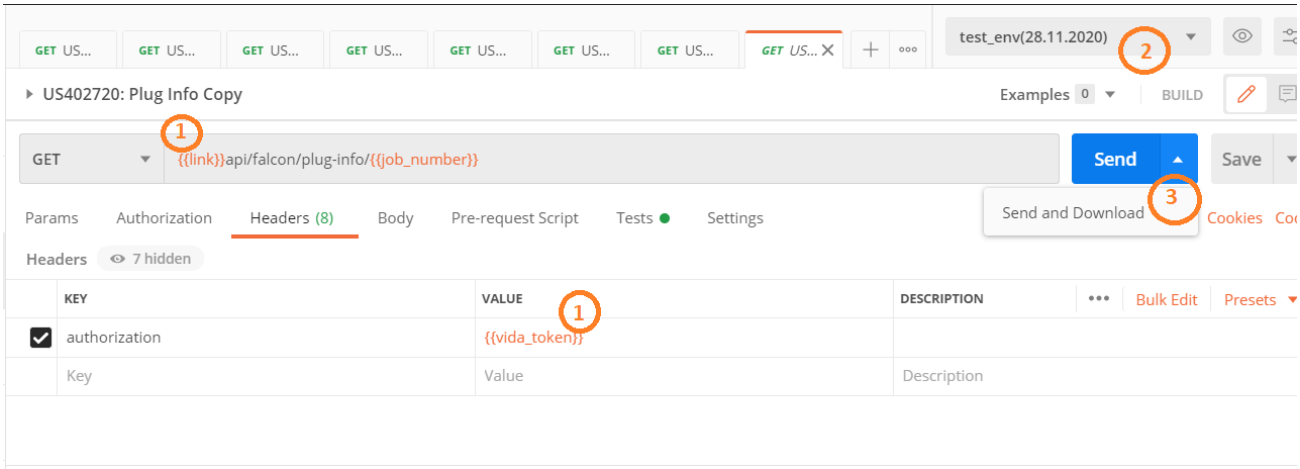
2.5 Open Postman=>Manage Environments=> Select the environment (e.g. 'test_env(28.11.2020)') and add Variable Description for **vida_token** from previous step. When the Variable Description is added, then Update and close the Managers Environments screen.


MANAGE ENVIRONMENTS
test_env(28.11.2020)
VARIABLE
INITIAL VALUE
CURRENT VALUE
Persist All
Reset All
link
http://hyvidadev01v:8...
http://hyvidadev01v:8080/
sales_order
0905927932
0905927932
job_number
H002266
H055216
bearer_token
Bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsIng1dCI6I...
vida_token
eyJleHAiOjE2MDc1NjM4ODIsImlhdCI6MTYwNzQ3NzQ4M...
US402722_file_name
US402721-FileName
Goals.xlsx
Add a new variable
Use variables to reuse values in different places. Work with the current value of a variable to prevent sharing sensitive values with your team. Learn more about variable values
Cancel
Update

4 04. Test Request Execution

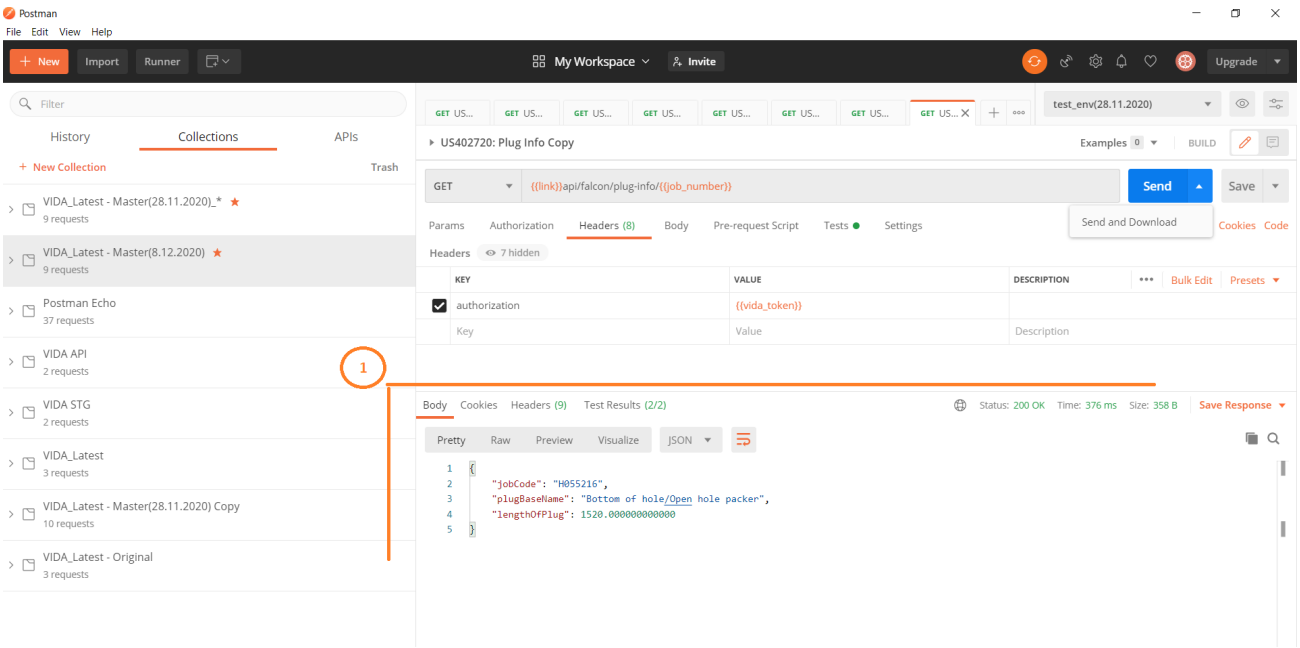
Double click on a request to open it

1. Piece of text in figure brackets {{}} is an environment varieble. It can be used in the request link or in Header parameters etc.
2. Make sure that correct Environment is selected
3. Press **Send** to execute request, Press **Send and Download** if you expect a file as a responce from Server



Response from Server

1. Execution results will be available in the bottom. In various circumstances you may need to check Status Code, response Body, Test Results etc.



5 05. Automated part - Runner

<In Progress>

6 9. Useful Links

- List of libraries embedded in Postman: https://learning.postman.com/docs/writing-scripts/script-references/postman-sandbox-api-reference/
- <In Progress>