



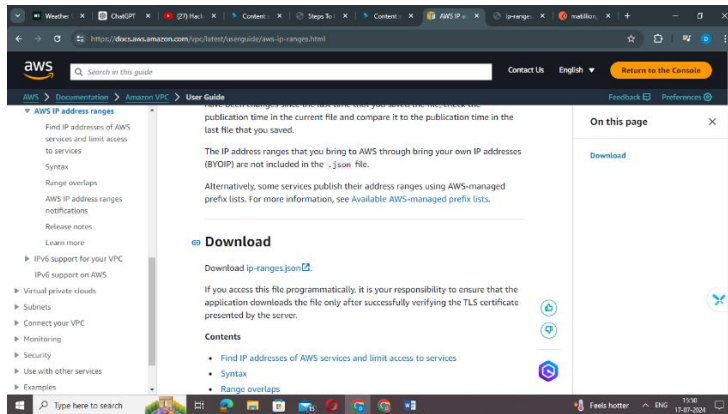
## Working With API in Matillion Using Postman

Create free Post Man Account

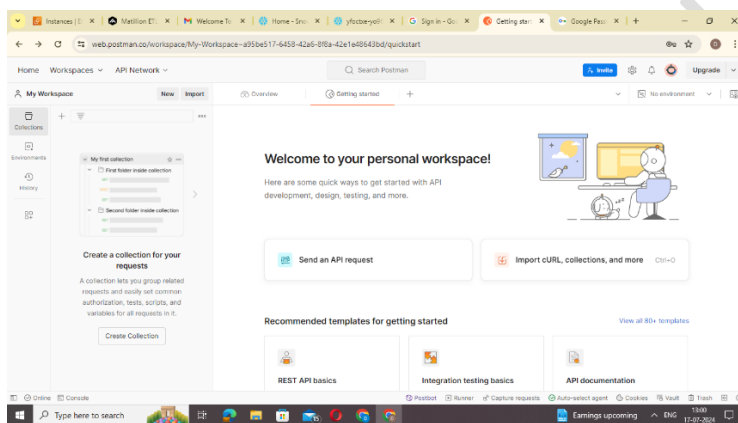
<https://www.postman.com/>

Download IP Ranges JSON File

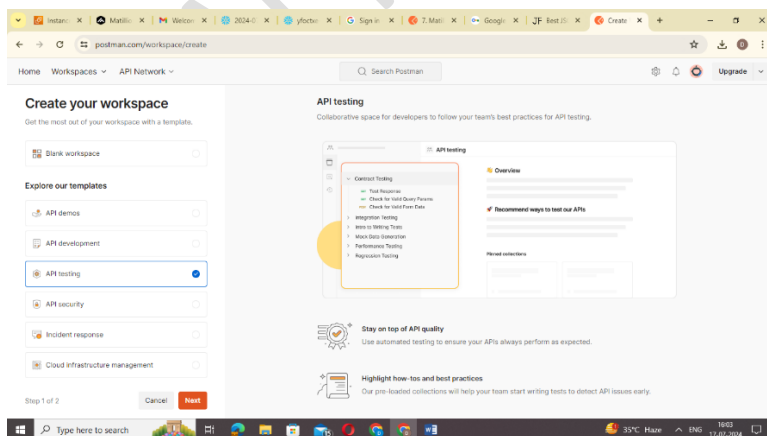
<https://docs.aws.amazon.com/vpc/latest/userguide/aws-ip-ranges.html>



Give your name and Role In Postman



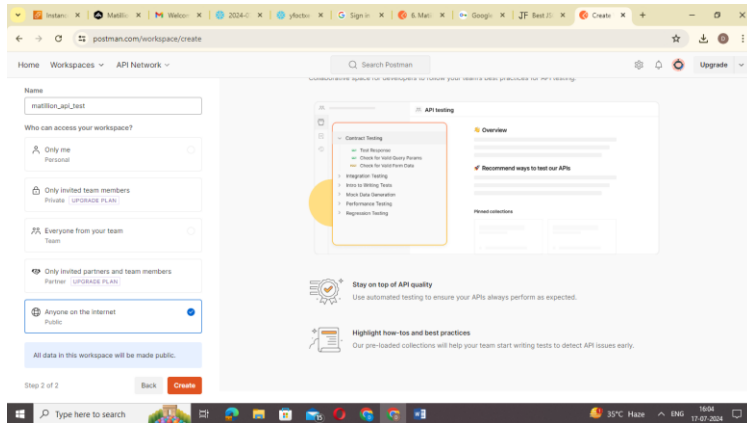
Click on Workspace and then click on API Testing Below Explore Our Templates.



Name Your Workspace And Keep The Access on 'Anyone On The Internet'



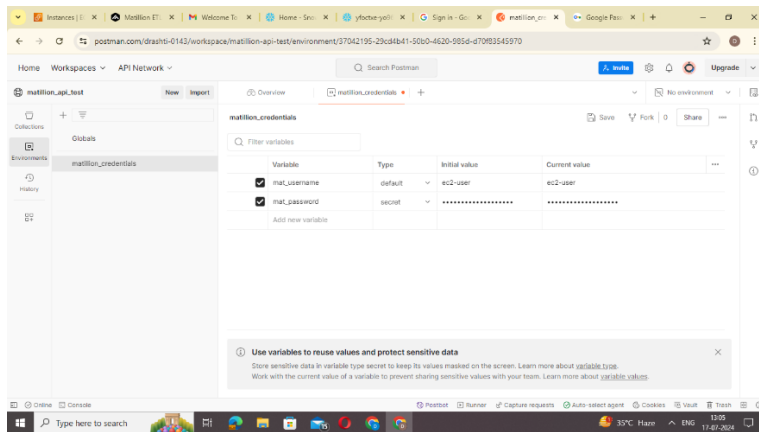
## Working With API in Matillion Using Postman



### Make Your Profile Public

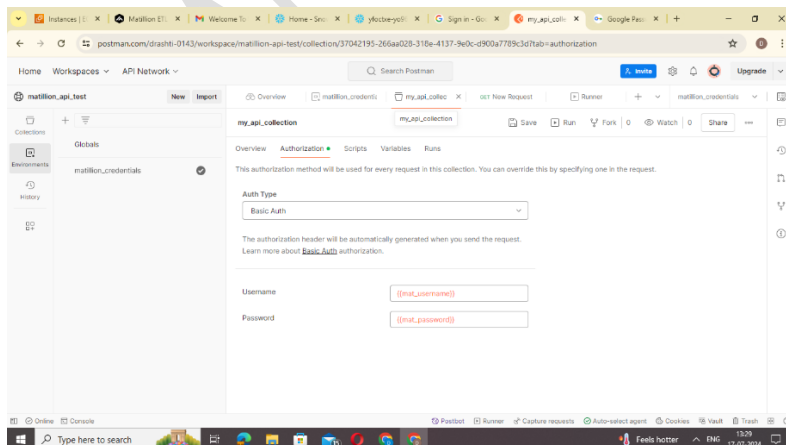
Click On Environment, Name it 'Matillion\_credentials' And Make Variables. Name The First Variable as 'Mat\_Username' Set the type to Secret And the Initial Value with your matillion username which is 'ec2-user'

Make Another Variable, and name it as 'Mat\_Password' Set the type to Secret And the initial value with your AWS Instance Id.



And Save it.

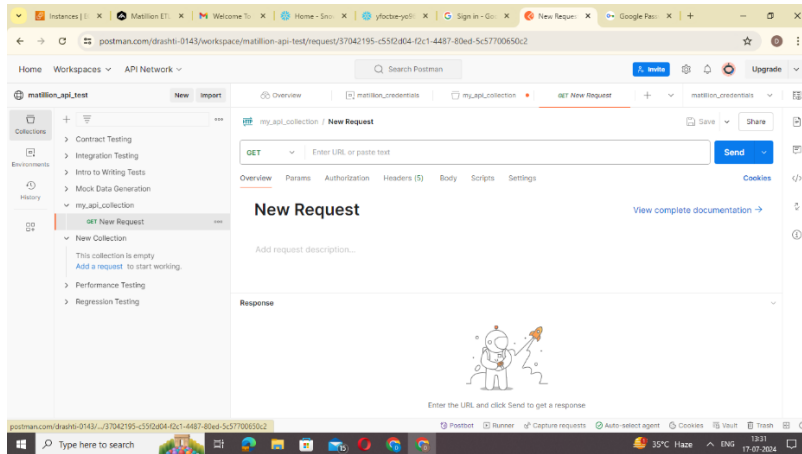
Click On collection, then on + sign and then on blank collection. Name it as 'MY\_API\_COLLECTION' Go to Authorization and select the type as 'Basic Auth' Put the variables you create above.



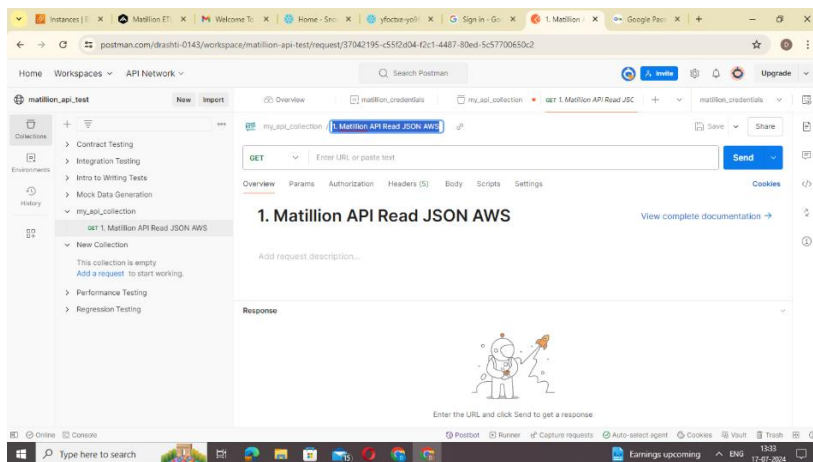
You Can See 'MY\_API\_COLLECTION' under Collections.



## Working With API in Matillion Using Postman



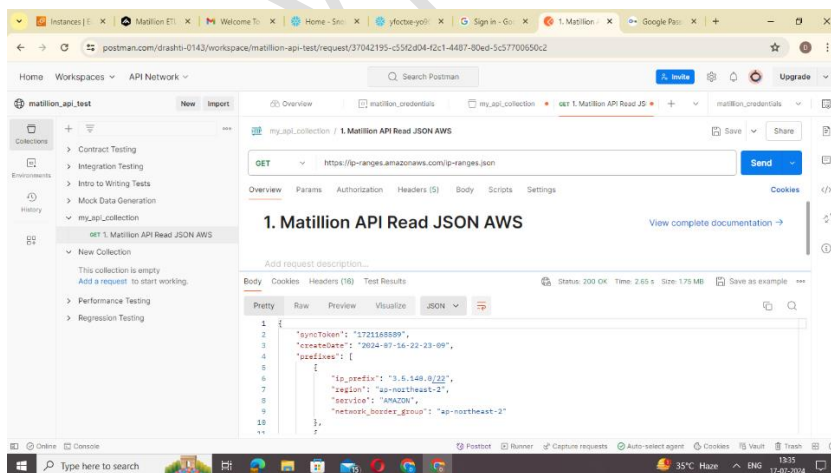
Click on 'Get New Request' And Name It.



Put The IP Range JSON URL.

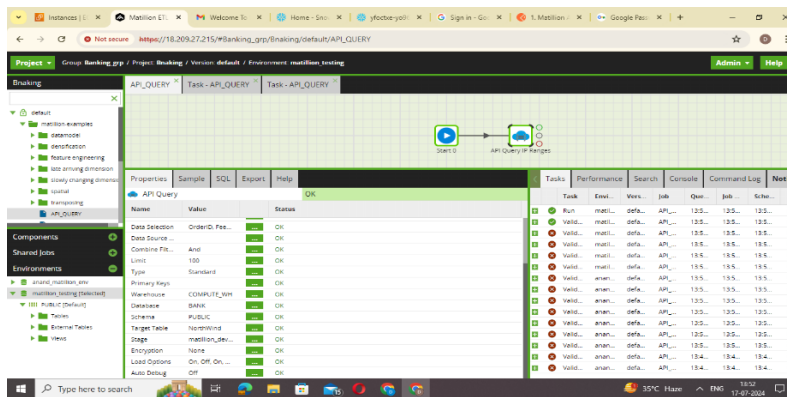
<https://ip-ranges.amazonaws.com/ip-ranges.json>

And Send.



The Status Should Show 200 OK.

Create An Orchestration Job In Matillion and Connect API Query Component. Fill the Properties and keep the snowflake details according to your snowflake.



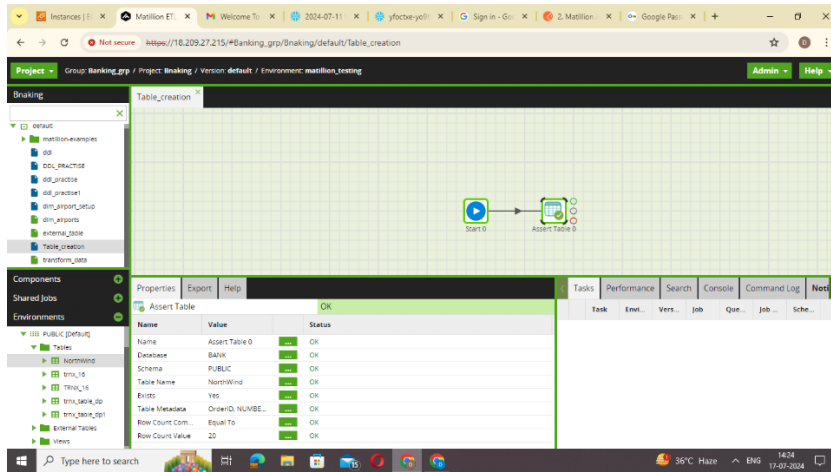
The screenshot shows a Snowflake Data Preview window. The table contains the following data:

	OrderID	Order	FeedTitle	CustomerID	EmployeeID	OrderDate	RequiredDate	ShipDate
1	10248	Orders	VINET	5	1996-07-04T00:00:00Z	1996-08-01T00:00:00Z	1996-07-16T00:00:00Z	
2	10249	Orders	TOMSP	8	1996-07-05T00:00:00Z	1996-08-16T00:00:00Z	1996-07-10T00:00:00Z	
3	10250	Orders	HANAR	4	1996-07-08T00:00:00Z	1996-08-05T00:00:00Z	1996-07-12T00:00:00Z	
4	10251	Orders	VICTE	3	1996-07-08T00:00:00Z	1996-08-05T00:00:00Z	1996-07-15T00:00:00Z	
5	10252	Orders	SUPRD	4	1996-07-09T00:00:00Z	1996-08-06T00:00:00Z	1996-07-11T00:00:00Z	
6	10253	Orders	HANAR	3	1996-07-10T00:00:00Z	1996-07-24T00:00:00Z	1996-07-16T00:00:00Z	
7	10254	Orders	CHOPS	5	1996-07-11T00:00:00Z	1996-08-08T00:00:00Z	1996-07-23T00:00:00Z	
8	10255	Orders	RICSU	9	1996-07-12T00:00:00Z	1996-08-09T00:00:00Z	1996-07-15T00:00:00Z	
9	10256	Orders	WELLI	3	1996-07-15T00:00:00Z	1996-08-12T00:00:00Z	1996-07-17T00:00:00Z	

2. Make An Other Orchestration Job, name it and connect Assert Table Component and select any table from the snowflake in the properties tab.



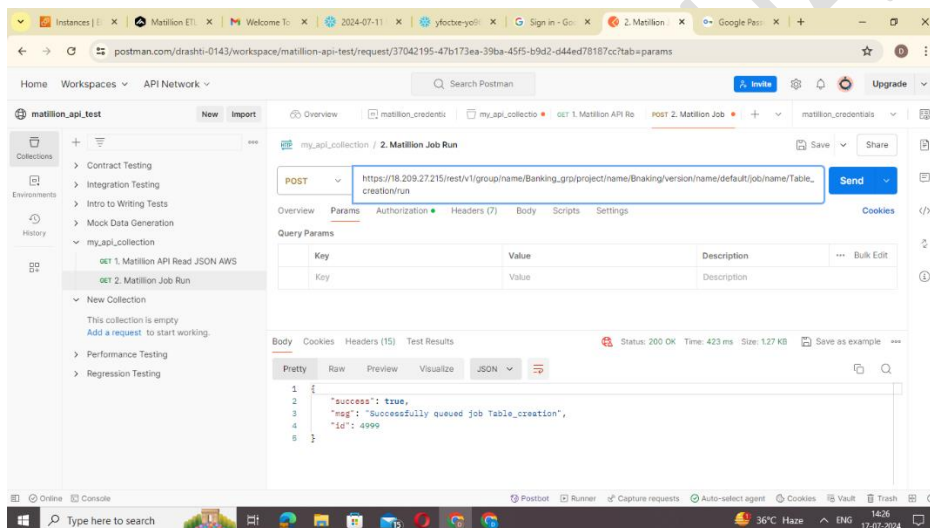
## Working With API in Matillion Using Postman



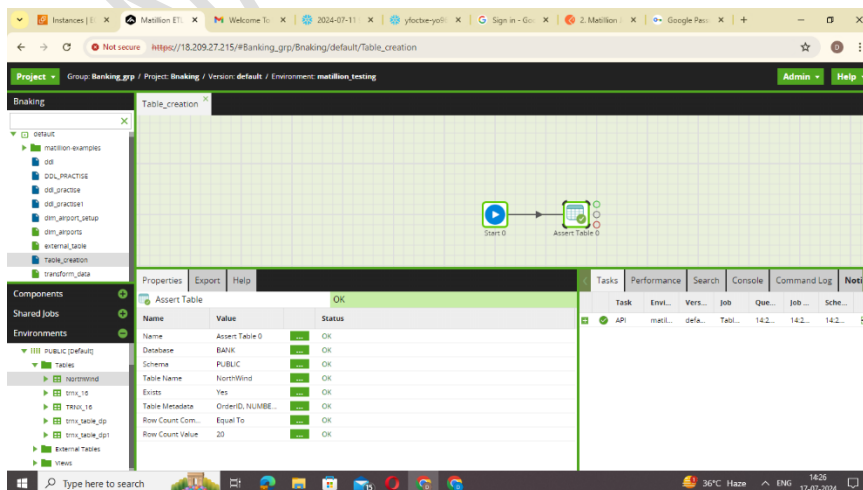
Go Back to your Post Man.

Click on + sign and make another collection under 'My\_API\_Collection'.

Put your matillion URL in the POST URL panel. Go to Save and click on save as, Change the name to '2. Matillion Job Run'. Edit the matillion URL according to the URL shown in the screenshot. Keep the Group Name, Project Name Version Name and Orchestration Job name of your matillion. Change the authorization to basic auth and put the username and password created before.



Check the Validation in your matillion.

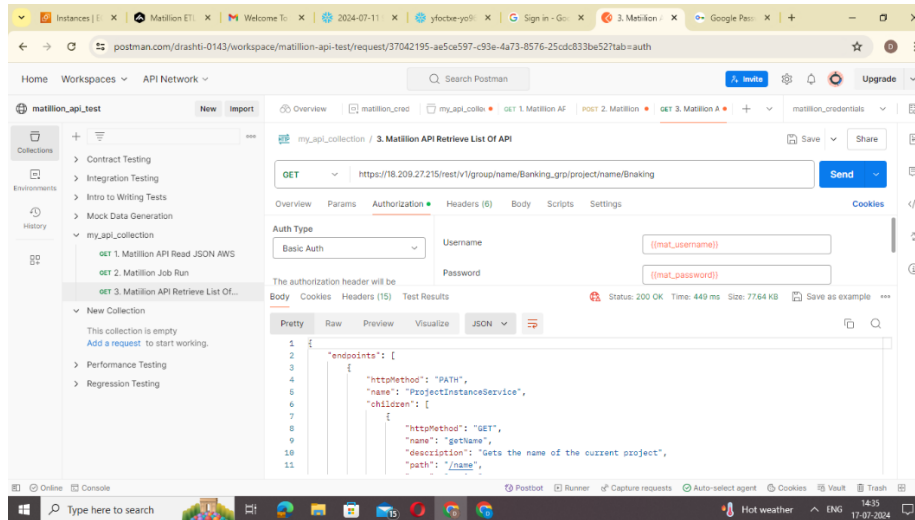




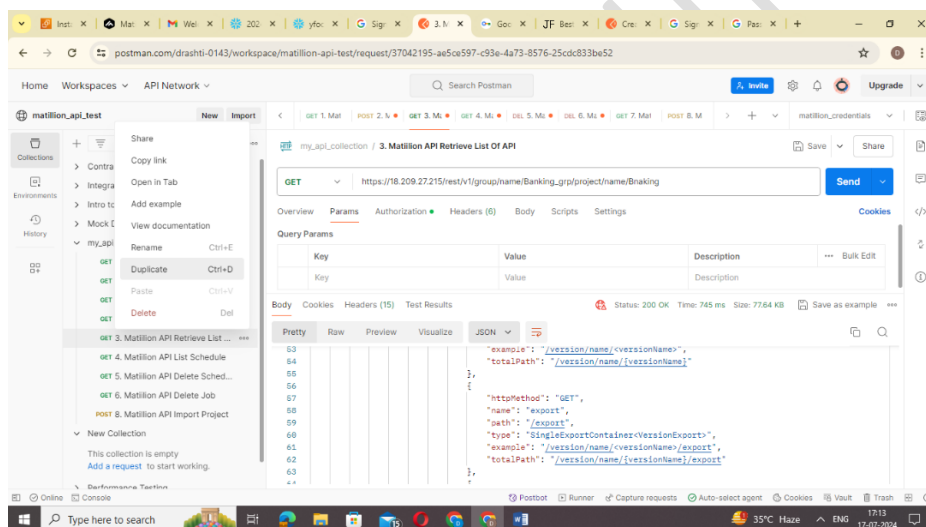
## Working With API in Matillion Using Postman

3. Again Click on + sign and make another collection under 'My\_API\_Collection'.

Put your matillion URL in the GET URL panel.( You can change the URL Panel from Post to Get by Drop Down) Go to Save and click on save as, Change the name to '3. Matillion API Retrieve List Of API'. Edit the matillion URL according to the URL shown in the screenshot. Keep the Group Name and Project Name of your matillion. Change the authorization to basic auth and put the username and password created before.



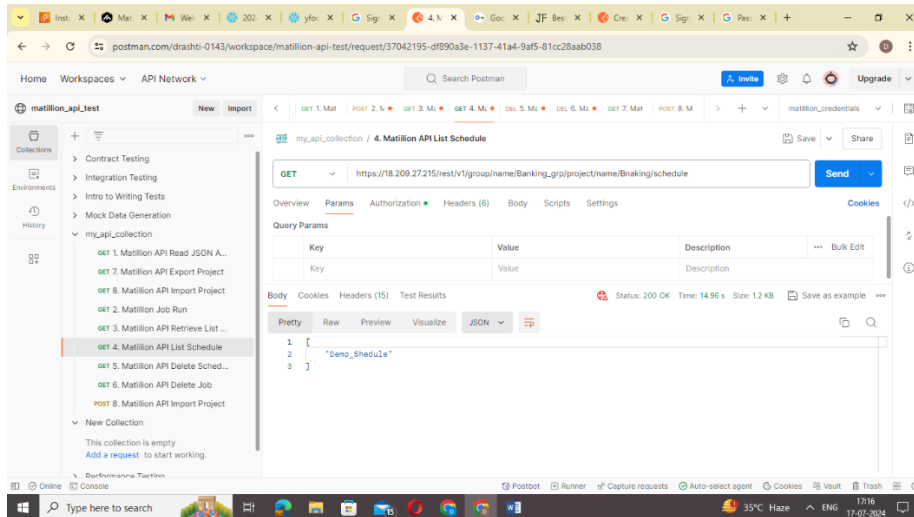
You Can Also Edit the name by Duplicating The Collection, Click on the 3 dots on every sub collection made under my\_api\_collection.



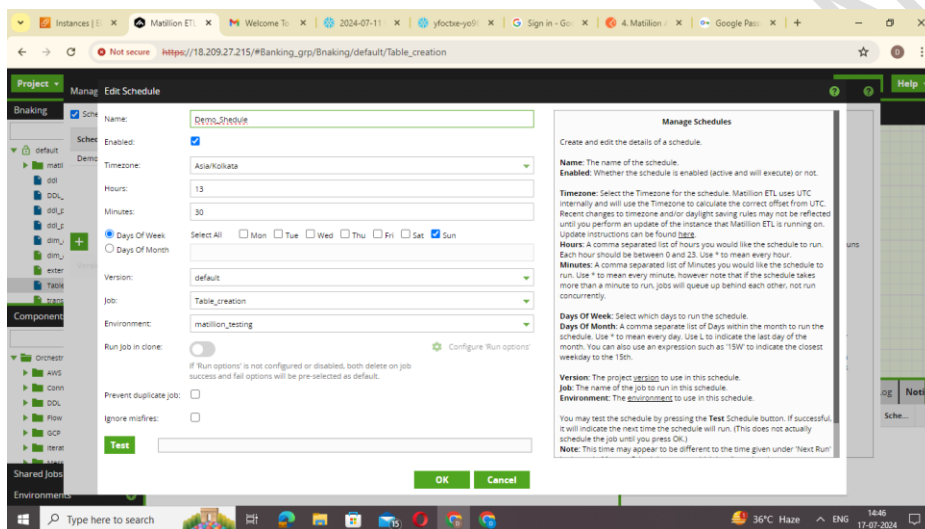
4. Repeat the process, Change the name to '4. Matillion API List Schedule. Edit the matillion URL according to the URL shown in the screenshot. Keep the Group Name and Project Name of your matillion. Change the authorization to basic auth and put the username and password created before. Do NOT Send.



## Working With API in Matillion Using Postman



Go to Matillion, Drag and Drop Project, click on manage schedule. Click on + sign and create a schedule as shown in the screenshot.



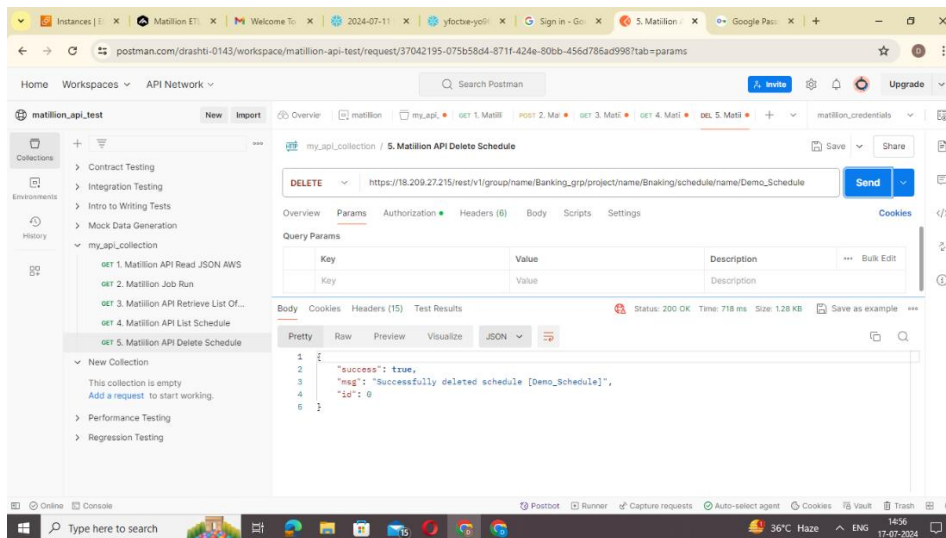
Send the URL in your postman. And Validate.

5. Repeat the process, duplicate the last Collection, Now change the URL Panel from Get to Delete by Drop Down, Change the name to '5. Matillion API Delete Schedule'. Edit the matillion URL according to the URL shown in the screenshot. Keep the Group Name Project Name and Schedule name of your matillion. Change the authorization to basic auth and put the username and password created before. And send.

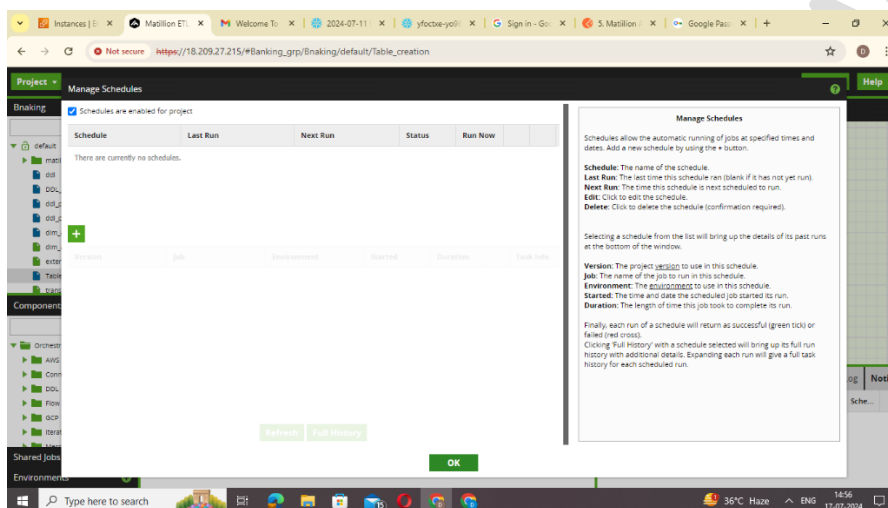




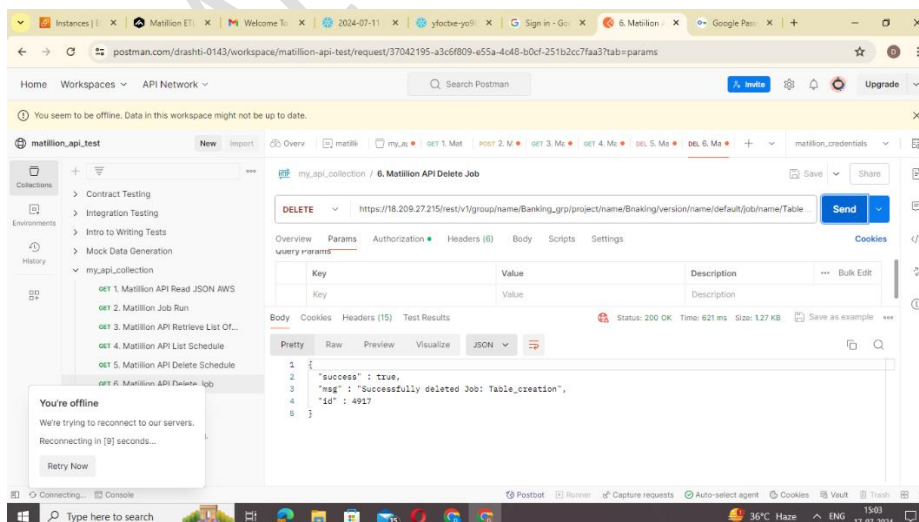
## Working With API in Matillion Using Postman



This should delete the Schedule you created in your matillion.

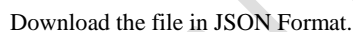
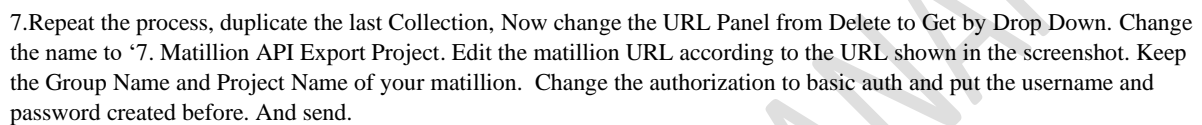


6. Repeat the process, duplicate the last Collection, Change the name to '6. Matillion API Delete Job'. Edit the matillion URL according to the URL shown in the screenshot. Keep the Group Name, Project Name, Version name and job name of your matillion. Change the authorization to basic auth and put the username and password created before. And send.



Check the result by going back to matillion.





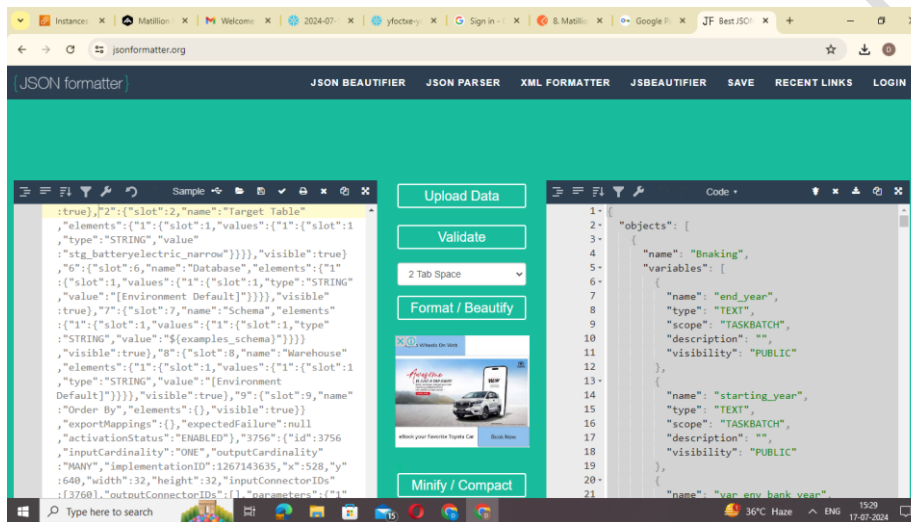
8. Repeat the process, duplicate the last Collection, Change the name to '8. Matillion API Import Project. Edit the matillion URL according to the URL shown in the screenshot. Keep the Group Name and Project Name of your matillion. Change the authorization to basic auth and put the username and password created before. Do not Send.

Select all the data of the JSON File you exported in the 7<sup>th</sup> step. and Format it properly on the JSON Formatter.

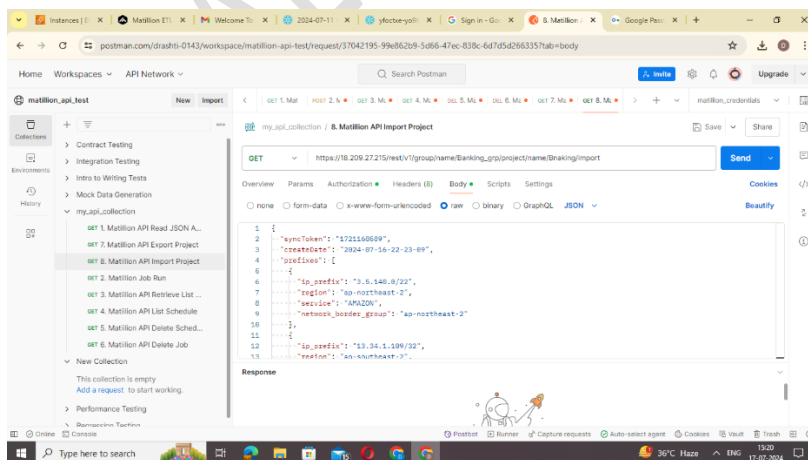


## Working With API in Matillion Using Postman

```
response - Notepad
File Edit Format View Help
[{"objects":[{"name":"Bnaking","variables":[{"name":"end_year","type":"TEXT","scope":"TASKBATCH","description":"","visibility":"PUBLIC"},{"name":"starting_year","type":"TEXT","scope":"TASKBATCH","description":"","visibility":"PUBLIC"},{"name":"warehouse","type":"TEXT","scope":"TASKBATCH","description":"","visibility":"PUBLIC"},{"name":"table","type":"TEXT","scope":"TASKBATCH","description":"","visibility":"PUBLIC"}]}]}]
```



Copy all the formatted data from the right side and paste it under BODY in your postman, Click on Raw, select the format as JSON, and Send.



And we are done, Happy Learning!!



ANALYTICSWITHANAND