Using Postman with Apollo Server

Download the **Postman** app from https://www.postman.com/downloads/:

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Download Postman

Download the app to quickly get started using the Postman API Platform. Or, if you prefer a browser experience, you can try the new web version of Postman.



Open Postman and in the main menu, click on Workspaces followed by the Create Workspace button:





Type [REDACTED] in the **Name** field and click on the **Personal** radio button under **Visibility**. Then, click on the **Create Workspace** button:

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	Create workspace	
	Name	
	Summary Add a brief summary about this workspace.	
	Visibility Determines who can access this workspace.	
	Personal Only you can access	
	Only invited team members can access	
	O Team All team members can access	
	O Public Everyone can view	
	Create Workspace Cancel	

In the main menu, click on **Environments** followed by the **+** (Create new Environment) button or the Create Environment link:

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Add *SB-DEV* in the **Name** field and complete the **Variable** and **Initial Value** fields with the following information:

Variable Initial	Value
requestUrl	[REDACTED]
learner7	[REDACTED]
learner7p	[REDACTED]
learner7ld	[REDACTED]

Click on the Reset All button to copy the Initial Value variables from the field to the Current Value field:

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Then, click on the **Save** button:

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Click on the **Collections** tab, then click on the **+ (Create new Collection)** button in the top left of the **Collections** panel. Alternatively, click on the **Create collection** button in the middle of the **Collections** panel:

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			Add a new variable					
			 Use variables to reuse values and Store sensitive data in variable typ 	protect sensitive dat	a lues masked on the screen. Learn more	about variable type		×
			Work with the current value of a va	ariable to prevent shar	ng sensitive values with your team. Lear	n more about variable values		

Name the new collection **Servicebroker**. Then either click on the ellipse (...) next to **Servicebroker** and choose **Add request** from the menu or click on **Add a request** under the **Servicebroker** name:

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Name the new request Login and change the request type from GET to POST:

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In the Enter request URL field, enter {{requestUrl}} :

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Note: In **Postman**, we can access variables stored in the **Environments** tab in **Collections** by surrounding the variable name with two sets of curly braces.

Click on the Authorization tab, then in the Type dropdown, select No Auth:

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Click on the **Body** tab (in the same area as the **Authorization** tab), then select the **raw** radio button and choose **JSON** from the dropdown on the right:

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Copy the following code and paste it in the text area:

```
{
    "operationName": "Login",
    "variables": {
    "authcontextid": "",
        "role": "learner",
        "username": "{{learner7}}",
        "password": "{{learner7}}"
    },
    "query": "mutation Login($authcontextid: UUID!, $role: String!,
    $username: String!, $password: String!) {\n login(input:
        {authcontextid: $authcontextid, role: $role, username: $username,
        password: $password}) {\n jwt\n }\n"
}
```

Navigate to uuidgenerator.net, generate a UUID, and paste it next to **authcontextid** in the JSON:

```
"operationName": "Login",
"variables": {
    "authcontextid": "3b11ed0a-e903-4fe3-a33a-1a419e08baa9",
    "role": "learner",
    "username": "{{learner7}}",
    "password": "{{learner7}}"
    },
    "query": "mutation Login($authcontextid: UUID!, $role: String!,
    $username: String!, $password: String!) {\n login(input:
    {authcontextid: $authcontextid, role: $role, username: $username,
    password: $password}) {\n jwt\n }\n"
}
```

Click on the **Tests** tab (in the same area as the **Authorization** and **Body** tabs), then copy the following code and paste it in the text area:

```
const jsonResponse = pm.response.json();
const jwtToken = jsonResponse.data?.login?.jwt;
if(jwtToken){
    let [jwtHeader, jwtPayload, jwtSignature] = jwtToken.split('.')
    const words = CryptoJS.enc.Base64.parse(jwtPayload);
    const text = CryptoJS.enc.Utf8.stringify(words);
    const text = CryptoJS.enc.Utf8.stringify(words);
    const jsonData = JSON.parse(text);
    console.log(jsonData);
    pm.environment.set("learnerId", jsonData.id);
}
```

```
pm.environment.set("token", jwtToken);
```

{

Note: As the JWT is prefixed by other information in the JSON return object, the above code is used to separate the JWT.

Click on the Save button to save the request:

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In the top right corner of **Postman**, click on the down arrow and select **SB_DEV**:

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C. Environments		Params Authorization Params Authorization 1 const jsonRespondent 2 const jwtToken	Headers (8) Body • onse = pm.response.json(= jsonResponse.data?.lo	Pre-request Script Tests Settings); gin?.jwt;	: au	est scripts are written in JavaS re run after the response is rec earn more about tests scripts	Cookies	
Mock Servers Monitors e [⁴ Flows History		<pre>if(jwtToken) let [jwtHeader, jwtPayload, jwtSignature] = jwtToken.split('.') const words = CryptoJS.enc.Base64.parse(jwtPayload); const text = CryptoJS.enc.Utf8.stringify(words); const text = CryptoJS.enc.Utf8.stringify(words); console.log(jsonData = JSON.parse(text); console.log(jsonData); pm.environment.set("learnerId", jsonData.id); pm.environment.set("token", jwtToken); </pre>				NIPPETS let an environment variable let a global variable let a variable et a collection variable et an environment variable et a global variable et a collection variable et a collection variable		:9:
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Click on the Send button to send a POST request:



Note: The JWT will automatically be saved in **Environments > SB-DEV > token** and is accessible when running other queries and mutations