1. I am creating a project using - https://script.googleapis.com/v1/projects

```
{
  "title": "script",
  "parentId": "<form id>"
}
```

2. Creating a version - I am using script id which I got in response of step # 1

https://script.googleapis.com/v1/projects/<script id>/versions

```
{
  "versionNumber": 1,
  "description": "First version for the form",
  "createTime": "2024-11-16T23:11:00Z"
}
```

3. Pushing my app script and code file

https://script.googleapis.com/v1/projects/<script id>/content

```
{
  "files": [
    {
      "name": "appsscript",
      "type": "JSON",
      "source": "{\"timeZone\": \"Asia/Kolkata\",\"dependencies\": {},\"exceptionLogging\":
\"STACKDRIVER\",\"runtimeVersion\": \"V8\",\"webapp\": {\"executeAs\":
\"USER_DEPLOYING\",\"access\": \"MYSELF\"}}"
    },
    {
        "name": "Code",
        "type": "SERVER_JS",
        "source": "function onFormSubmit(e) { var formResponse = e.response;
                   var items = formResponse.getItemResponses();
                   var formId = '<form id>';
                   var formData = {};
                   for (var i = 0; i < items.length; i++) {
                       var item = items[i];
                       formData[item.getItem().getTitle()] = item.getResponse();
                   }
                   var webhookUrl = '<domain name>/webhook?formId=' + formId;
                   var options = {
                       'method': 'POST',
                       'contentType': 'application/json',
            'payload': JSON.stringify(formData)
          };
          UrlFetchApp.fetch(webhookUrl, options);
        }

        function createTrigger() {
          var form = FormApp.openById('<form id>');

          // Check if the trigger already exists
          var triggers = ScriptApp.getProjectTriggers();

          for (var i = 0; i < triggers.length; i++) {
            if (triggers[i].getHandlerFunction() === 'onFormSubmit') {
            Logger.log('Trigger already exists');
            return; // Exit if trigger already exists
            }
          }

          ScriptApp.newTrigger('onFormSubmit')
               .forForm(form)
               .onFormSubmit()
               .create();
           Logger.log('Send Certificate Configuration Completed');

        }
        // onOpen function to add a custom menu to the Form
function onOpen() {
 FormApp.getUi()
   .createMenu('Custom Trigger')
   .addItem('Configure Trigger', 'createTrigger')
   .addToUi();
}

         "

  }
 ]
}
```

4. Deploying the project

https://script.googleapis.com/v1/projects/<script id>/deployments

```
{
 "versionNumber": 1,
 "manifestFileName": "appsscript",
  "description": "Deployment v1 for this form"
}
```

5. Try to execute the method createTrigger method automatically

https://script.googleapis.com/v1/scripts/<script id>:run

```
{
  "function": "createTrigger",
  "parameters": [],
  "devMode": true
}
```

Now following things are working fine:

1. Creating a project

2. Creating a version

3. Creating / Updating the scripts

4. Creating a deployment

5. Creating a trigger doesn't work automatically - I have to go to the Form in edit mode, invoke the authorization (because I have a scope of drive access), then it creates a trigger. This is happening because I have explicitly added a script to add the add on form launch in edit mode. I could not figure out any other way to create a trigger using api. I assume authorization is required because of scope. It would be great if there is a way to silently create a trigger because I don't want my users to do this step and I am owning those forms. So technically I have already authorized *via token?).

6. If there is no direct automatic silent way to do #5 above, then I will rely on the manual way where the user is going to manually create a trigger. However here human error is going to happen like someone is going to forget to create a trigger as this is not usual / day to day steps for any user.

So I wanted to check on a way to identify if a trigger is already created. If it is not created then I can warn the user on my application UI that they still need to create a trigger.