We have automated the workflow where a user can send RSVP responses to meeting requests received during a certain time period where the title contains a particular keyword.

A computer screen with text and numbers

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The workflow steps are outlined below:

A diagram of a flowchart

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**Prerequisites:**

* Google Console Credentials: Client ID and Client Secret
* Google Calendar API enabled

**Step-by-Step Process**

**Step-1: Create a new Workflow**

You need to select **Create Workflow** from the top left of the canvas.

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A blank canvas will open.

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**Step-2: Select the first node to filter meeting requests**

When you click on the **+** icon on canvas, n8n will prompt you with **What triggers this workflow?** At the top of the dialog, there is a search bar where you can type any keyword to filter the available options.

Here, you need to search for 'Google Calendar' and select **Google Calndar 🡪 Get an event** from the list.

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The following configuration window will open. If you already have credential for Google Calendar, select it from the drop-down, otherwise select **Create new credential**.

A screenshot of a video game

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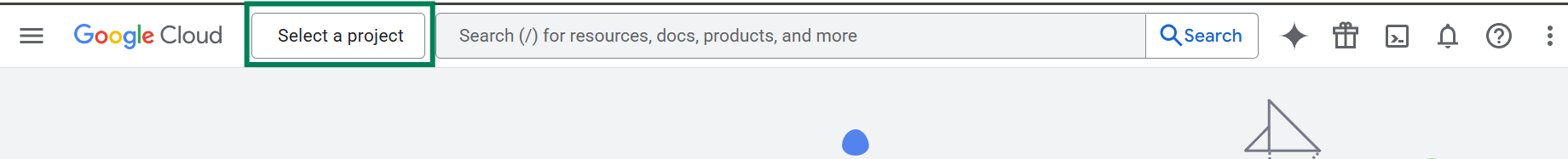
New window to create credentials will open:

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If you don’t have Client ID and Client Secret in Google Cloud and Google Calendar API is not enabled in the services, then go to <https://console.cloud.google.com/>. Following window will appear.

* Click on **Select a project**.



* Click on **New Project**

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* Fill in the required information and click on **Create** button.

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A billing account will be required to proceed with the services.

A screenshot of a project

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* Check whether the correct project is selected or not.

A close up of a logo

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* Select **API & Services**.

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* Go to **Enabled APIs & Services**.

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* Search ‘google calendar’. Select **Google Calendar API** from the list.

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* Check if **Google Calendar API** is enabled or not.

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* If API is disabled, click on **Enable** button to enable it.

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* Go to **Credentials** now.

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* Click on **Create Credentials**.

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* Select **OAuth client ID** from the list.

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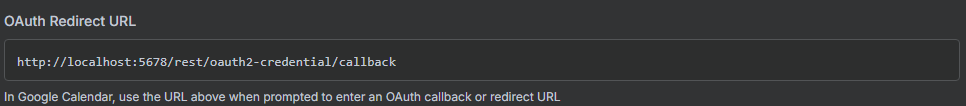
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* Fill in the information as follows:

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* Copy following URL from N8N window and add it here. Click on **Save** button.



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* Once the credentials are created store it in a secure location. You can’t retrieve the **Client Secret** later from the console.

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You have successfully created the credential for Google Calendar. Now, go to N8N again and fill in the credential information.

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Click on **Sign in with Google**. Select the google account.

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Click **Continue**.

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Check **Select all** and click on **Continue**.

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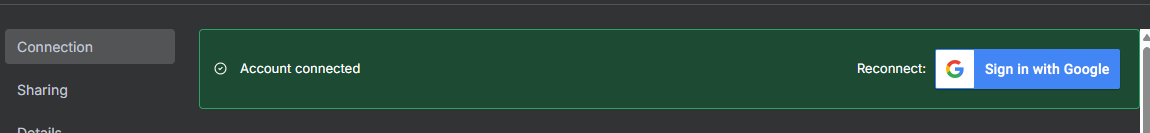
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If the connectivity is established, you will see following prompt.

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You will now see **Account connected** on the top of the credential screen.



Click on cross button to exit the credential screen and get back to the **Get many events** window.

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Follow these steps for the configuration:

* Resource: Select **Event**
* Operation: Select **Get Many**
* Calendar: Select your calendar account from the dropdown
* Return All: Keep disabled
* Limit: Set limit
* After: Enter the start time *(Default: {{ $now }})* to get events from that date/time onward.
* Before: Enter end time to get events up to that time.
* Options(optional):
  + Order By: Select **Start Time** to sort events chronologically
  + Query: Enter any search term to filter events containing that keyword

You can add more options by clicking **Add option**

You can rename this step with a meaningful title (as example: Get the events from Google Calendar) to make it easier to understand the purpose of the step.

A close-up of a calendar

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You can click on **Execute step** if you want to check the output from this step. If this is executed, you can use this output as input for the next step to execute and test that as well.

If you want to know more details about a particular node, click on **Docs**.

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Click on **Back to canvas** to exit from this window.

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Click on **Save** after adding any new component or making changes, otherwise it will not be saved automatically.



**Step-3: Set up the meeting response**

Click on the + button to add next step.

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For the next node, type ‘code’ and select **Code.**

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The following configuration window will open.:

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Follow these steps for the configuration:

* Mode: Select **Run Once for All Items**
* Language: Select **JavaScript**
* JavaScript Code: Enter the following code in the editor to get data from previous step and pass data to next step:

const items = $input.all();  
const myEmail = 'xxxxx@gmail.com';  
const rsvp = 'tentative';  
return items.map(inputItem => {  
const item = inputItem.json;  
const calendarId = item.calendarId || 'primary';  
const attendees = Array.isArray(item.attendees) ?  
JSON.parse(JSON.stringify(item.attendees)) : [];

let me = attendees.find(a => (a.email || '').toLowerCase() ===  
myEmail.toLowerCase());

if (!me) {  
me = { email: myEmail };  
attendees.push(me);  
}

me.responseStatus = rsvp;

return {  
json: {  
calendarId,  
eventId: item.id,  
attendees,  
sendUpdates: 'all'  
}  
};  
});

**Step-4: Reply to the meeting request**

For next node, select **HTTP Request**.

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Follow these steps for the configuration:

* Method: Select **PATCH**
* URL: Enter the Google Calendar API endpoint-*https://www.googleapis.com/calendar/v3/calendars/{{$json.calendarId}}/events/{{$json.eventId}}?sendUpdates={{$json.sendUpdates}}*
* Authentication: Select **Predefined Credential Type**
* Credential Type: Select **Google Calendar OAuth2 API**
* Google Calendar OAuth2 API: Select your **Google Calendar account**
* Send Query Parameters: Keep enabled
* Send Headers: Enable this option
* Header Parameters:
* Name: Content-Type
* Value: application/json
* Send Body: Enable this option
* Body Content Type: Select **JSON**
* Specify Body: Select **Using Fields Below**
* Name: attendees
* Value: *{{$json.attendees}}*

Rest of the fields shoould be kept unchanged.

**Execution:**

Now, if you click any of these, the complete workflow will be executed.

A computer screen shot of a computer screen

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If you click on any particular node, you can see the input and output for that node like following:

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