# N8N-Contact Form Processor - G

Setup & User Guide

## Overview

The **N8N-Contact Form Processor - G** is an n8n workflow that turns website contact form submissions into triaged, logged, and answered leads. On every submission it:

1. Receives the form POST through a webhook and immediately returns `{"status":"ok"}` to the browser.
2. Normalizes the fields and validates the submission: honeypot check, email format, empty message, and link-stuffing limit.
3. Classifies valid submissions with Google Gemini into **Sales, Support, Vendor, Spam,** or **Other**, assigns **High / Normal / Low** urgency, and writes a one-sentence summary.
4. Logs every submission (valid, spam, or rejected) to your Google Sheet with 12 columns including category, urgency, summary, and status.
5. Sends a branded Gmail notification to the mailbox mapped to the category, with the lead's contact details attached as a `.vcf` card.
6. Optionally sends a branded auto-reply to the submitter with your company contact card attached.

Rejected and spam submissions are logged but never emailed. If the AI step fails or has no credential, the lead is still delivered with category `General`.

### Workflow map

| Section | Nodes | What happens |
|---|---|---|
| Trigger & validation | Webhook — Contact Form<br>Set — Workflow Configuration<br>Code — Normalize & Validate<br>Webhook — Respond to Form<br>IF — Valid Submission | Receive, load your settings, clean up the payload, answer the browser, decide valid vs. rejected. |
| AI triage | AI — Triage Submission<br>Gemini — Chat Model<br>Parser — Triage JSON | Classify valid entries; tag rejected entries; combine everything into one lead record and resolve the routing address. |

| | | |
|---|---|---|
| | Set — Mark Rejected<br>Set — Assemble Lead Record | |
| Logging | Sheets — Log Submission | Append the record to your Google Sheet. |
| Notify & auto-reply | IF — Should Notify<br>Code — Build Emails & vCards<br>Gmail — Send Notification<br>IF — Auto-Reply Enabled<br>Gmail — Send Auto-Reply | Build both HTML emails and both vCards, send the notification, then the auto-reply if enabled. |

## Prerequisites

- An n8n instance (cloud or self-hosted) reachable from the public web.
- A Google account with Sheets and Gmail, and rights to create the OAuth credentials described below.
- An Google Gemini API key (optional, required for AI triage).
- Access to your website form so you can set its action or fetch URL and add two hidden fields.

## Installation

1. In n8n go to **Workflows > Import from File** and select the workflow JSON from the `export` folder.
2. Confirm 16 working nodes plus 5 sticky notes appear on the canvas.
3. Open **Settings** for the workflow and, if you use an error workflow, select it there.

## Configuration

### Step 1: Set — Workflow Configuration

Everything you normally need to change lives in this one node. Open it and edit the JSON:

| Key | Purpose |
|---|---|
| `notificationEmail` | Default recipient for new leads. Required. |
| `salesEmail`, `supportEmail` | Optional routing. Leads classified **Sales** go to `salesEmail`, **Support** to `supportEmail`; leave blank to use the default. |

| | |
|---|---|
| `brandName`, `brandWebsite`, `logoUrl` | Shown in the header and footer of both emails. The logo must be a publicly reachable image URL. |
| `colorHeader`, `colorAccent`, `colorButton` | Hex colors for the email header, accent stripe, and buttons. |
| `enableAutoReply`, `autoReplySubject`, `autoReplyMessage` | Turn the auto-reply on or off and set its subject and body text. |
| `maxLinksInMessage` | Messages with more links than this are rejected as spam (default 3). |
| `attachLeadCard`, `attachCompanyCard` | Attach the submitter's `.vcf` to the notification, and your `.vcf` to the auto-reply. |
| `companyCard` | Your contact card: `firstName`, `lastName`, `title`, `organization`, `phone`, `email`, `website`. |

## Step 2: Required placeholders

| Placeholder | Node | Description | How to set |
|---|---|---|---|
| YOUR_SPREADSHEET_ID | Sheets — Log Submission | The Google Sheet that stores submissions. | Copy the long ID from the sheet URL between `/d/` and `/edit`, or use the picker in the node. Confirm the tab name (default `Sheet1`). |

Create these columns in your Google Sheet (exact names, all text):

```
Name, Email, Phone, Message, Date, Time, Source, Category, Urgency, Summary, Status,
SubmittedAt
```

> The log node is set to continue on error so a column mismatch will not block the notification email. Check the n8n execution log if rows are not appearing.

## Step 3: Credentials

| Provider | Node(s) | Credential type | Instructions |
|---|---|---|---|
| Google Sheets | Sheets — Log Submission | googleSheetsOAuth2Api | Google Cloud OAuth client with the Sheets API enabled; sign in with the account that owns the sheet. |
| Gmail | Gmail — Send Notification<br>Gmail — Send Auto-Reply | gmailOAuth2 | Google Cloud OAuth client with the Gmail API enabled; the signed-in account is the sender for both emails. |
| Google Gemini | Gemini — Chat Model | googlePalmApi | API key from Google AI Studio. Default model is `gemini-2.5-flash`. |

### Step 4: Webhook and your form

- Open **Webhook — Contact Form**. The path is `/form-processor-g`; copy the **Production URL** after activating.
- Point your form at that URL with method **POST**. Form-encoded and JSON bodies both work.
- Field names recognized: `Name`, `Email`, `Phone`, `Message`, `Date`, `Time`, `Source` (lowercase and common variants such as `your-name` are also accepted).
- Add a hidden field named `website` and leave it empty. This is the honeypot; anything that fills it is rejected.
- Optionally add a hidden `Source` field (for example the page or form name) so multiple forms can share one workflow.
- The sample form in the `assets` folder already includes both hidden fields and a small script that posts JSON and shows the success message.

### Step 5: AI triage (optional)

- Add your Google Gemini credential on **Gemini — Chat Model**. That is all that is required.
- To change categories or urgency rules, edit the prompt in **AI — Triage Submission** and the example in **Parser — Triage JSON** so they match.
- To run without AI, delete the three AI nodes and connect **IF — Valid Submission** (true) directly to **Set — Assemble Lead Record**. Leads will be logged as `General`.

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## Usage

1. **Activate** the workflow, then submit a test message from your form.
2. Confirm the browser receives a success response, a row appears in your Google Sheet, and the notification arrives with a `.vcf` attachment and a subject like `[Sales · Normal] New inquiry from Jane Smith`.
3. If the auto-reply is enabled, check the submitter's inbox for the confirmation with your contact card attached.
4. Test the spam path by submitting a message with more than three links; it should be logged as `Rejected` with no email sent.
5. Use the **Status** column in your Google Sheet as a simple lead tracker: change `New` to `Contacted` or `Closed` as you work the list.

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## Troubleshooting

- **Form shows an error or hangs:** the workflow must be active and the URL must be the production webhook, not the test URL. Check for CORS if you post with JavaScript from another domain.
- **Everything is rejected:** make sure the honeypot field is empty on real submissions and that the email field is named `Email` (or a recognized variant).
- **No row in the Google Sheet:** verify the placeholder ID(s), the credential, and that all 12 columns exist with matching names.

- **AI category is always General:** the AI node failed; open the execution and check the Gemini — Chat Model error (usually a missing credential or quota).
- **Email sent but no vCard:** confirm `attachLeadCard` / `attachCompanyCard` are `true` in the configuration node.
- **Auto-reply lands in spam:** send from a mailbox with proper SPF/DKIM and keep `autoReplyMessage` free of links.

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## Support

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