



N8N Workflow Builder - Vercel Deployment Guide

Step-by-Step Deployment Instructions

Prerequisites

- GitHub or GitLab account
- Vercel account (free tier works)
- N8N instance running (with webhook URL)

Step 1: Prepare Your Repository

1. Upload to GitHub/GitLab:

- Create a new repository on GitHub or GitLab
- Upload all files from this package to your repository
- Commit and push the files

```
bash
git init
git add .
git commit -m "Initial commit: N8N Workflow Builder"
git branch -M main
git remote add origin https://github.com/yourusername/n8n-workflow-builder.git
git push -u origin main
```

Step 2: Deploy to Vercel

1. Go to Vercel Dashboard:

- Visit vercel.com (https://vercel.com)
- Sign in with your GitHub/GitLab account

2. Import Project:

- Click "New Project"
- Select "Import Git Repository"
- Choose your n8n-workflow-builder repository
- Click "Import"

3. Configure Project Settings:

- **Project Name:** `n8n-workflow-builder` (or your preferred name)
- **Framework Preset:** Leave as "Other" or "Vanilla"
- **Root Directory:** Leave as `./` (root)
- **Build Command:** Leave default or use `npm run build`
- **Output Directory:** Leave default (`public`)

Step 3: Set Environment Variables

In the Vercel dashboard, go to your project settings and add these environment variables:

Required Variables:

```
N8N_WEBHOOK_URL=https://your-n8n-instance.com/webhook/your-webhook-id
```

Optional Variables:

```
N8N_API_URL=https://your-n8n-instance.com/api/v1
N8N_BASIC_AUTH=dXNlcm5hbWU6cGFzc3dvcmQ=
```

How to get these values:

1. N8N_WEBHOOK_URL:

- In your N8N instance, create a webhook node
- Copy the webhook URL (looks like: `https://your-n8n.com/webhook/abc123`)

2. N8N_BASIC_AUTH (if needed):

- If your N8N requires authentication, encode your credentials:

```
bash
```

```
echo -n "username:password" | base64
```

Step 4: Deploy

1. Click **“Deploy”** in Vercel
2. **Wait for build** (usually takes 1-2 minutes)
3. **Get your public URL** (e.g., `https://n8n-workflow-builder-xyz.vercel.app`)

Step 5: Test Your Deployment

1. **Visit your public URL**
2. Click **“Check Status”** to verify N8N connection
3. **Create a test workflow:**
 - Set Workflow Name: `“Test Workflow”`
 - Set Action URL: `https://httpbin.org/post`
 - Set Action Data: `{"test": "hello world"}`
 - Click `“Generate Workflow”`
 - Click `“Execute Workflow”`

Step 6: Custom Domain (Optional)

1. **In Vercel Dashboard:**
 - Go to your project settings
 - Click `“Domains”`
 - Add your custom domain
 - Follow DNS configuration instructions

Troubleshooting

Common Issues:

1. **“N8N Webhook not configured” error:**
 - Check that `N8N_WEBHOOK_URL` is set correctly in Vercel environment variables
 - Ensure your N8N instance is accessible from the internet
2. **CORS errors:**
 - The API routes include CORS headers, but if you still have issues, check your N8N CORS settings

3. Build failures:

- Check the build logs in Vercel dashboard
- Ensure all files are properly committed to your repository

4. Webhook execution fails:

- Verify your N8N webhook URL is correct and active
- Check if basic authentication is required

Testing Your N8N Integration:

1. Test webhook directly:

```
bash
curl -X POST https://your-vercel-app.vercel.app/api/webhook \
-H "Content-Type: application/json" \
-d '{"test": "data"}'
```

2. Check status endpoint:

```
bash
curl https://your-vercel-app.vercel.app/api/status
```

Support

- **Vercel Documentation:** vercel.com/docs (<https://vercel.com/docs>)
- **N8N Documentation:** docs.n8n.io (<https://docs.n8n.io>)

Next Steps

1. **Customize the UI** by editing `public/index.html`
2. **Add more API endpoints** in the `api/` directory
3. **Integrate with more N8N features** like workflow management
4. **Add authentication** for production use
5. **Set up monitoring** and logging

Your N8N Workflow Builder is now live and ready to use! 🎉