

n8n Workflow Setup Guide: Viral Bodycam Footage Creator

This guide provides a step-by-step setup for the "Viral bodycam shorts creator" n8n workflow. This workflow automates the process of generating a video concept, getting approval, generating the video using an external service (kie.ai), and finally publishing it to Instagram and YouTube.

The workflow relies on several external services and credentials that must be configured.

1. Initial Workflow Overview and Prerequisites

The workflow is structured around the following key components:

Component	Node Name	Type	Purpose
Trigger	On form submission	n8n-nodes-base.formTrigger	Starts the workflow by collecting initial video parameters.
LLM Chain	Create video prompt	@n8n/n8n-nodes-langchain.chainLlm	Generates the video title, description, and prompt using an LLM.
LLM Provider	OpenAI Chat Model	@n8n/n8n-nodes-langchain.lmChatOpenAi	The primary LLM used for content generation. Requires setup.
Approval	Video plan approval	n8n-nodes-base.form	A manual step to approve or request changes to the generated video plan.
Video Generation	Start generating the video	n8n-nodes-base.httpRequest	Sends a request to the kie.ai API to start video generation. Requires setup.
Status Check	Get status of the video	n8n-nodes-base.httpRequest	Polls the kie.ai API for the video generation status. Requires setup.

Publishing	Upload video to Instagram	n8n-nodes-base.facebookGraphApi	Uploads the final video to Instagram. Requires setup.
Publishing	Upload video to YouTube	n8n-nodes-base.youTube	Uploads the final video to YouTube. Requires setup.

Prerequisites:

1. An active n8n instance (version 1.118.1+ is recommended).
2. API Keys and accounts for the following services:
 - **OpenAI** (or another supported LLM provider like Anthropic, Groq, etc.)
 - **Kie.ai** (for video generation)
 - **Facebook/Instagram** (for Instagram Business Account publishing)
 - **YouTube** (for YouTube publishing)

2. Setting up Credentials

The following credentials must be configured in your n8n instance:

2.1. LLM Provider (OpenAI)

The workflow is configured to use the `OpenAI Chat Model` node by default.

1. Find the `OpenAI Chat Model` node (ID: `6ad09135-7bdd-4e54-89bd-81c3f0a21fb3`).
2. In the node settings, click on the **Credentials** section.
3. Select or create a new **OpenAi API** credential.
 - You will need your **OpenAI API Key**.
 - The workflow uses `gpt-4.1-mini` as the model.

Note: The workflow includes several other disabled LLM nodes (Ollama, DeepSeek, Google Gemini, Anthropic, etc.). If you prefer a different provider, you must:

1. Disable the `OpenAI Chat Model` node.
2. Enable your preferred LLM node (e.g., `Anthropic Chat Model`).
3. Connect the output of your chosen LLM node to the `Create video prompt` node's **AI Language Model** input.
4. Configure the necessary credentials for the chosen LLM.

2.2. Kie.ai (Video Generation API)

The Kie.ai API is used for video generation and status checking.

1. Locate the **Start generating the video** node (ID: 0a681b13-4796-4d1b-8c24-1855d0199942) and the **Get status of the video** node (ID: ff1d37e5-2e60-4102-862d-d81d7a3b32e1).
2. Both nodes use a credential named **Kie** (Type: HTTP Bearer Auth).
3. Create a new **HTTP Bearer Auth** credential:
 - **Name:** Kie (or the name used in the workflow)
 - **Header Name:** Authorization
 - **Header Value:** Bearer YOUR_KIE_AI_API_KEY (Replace YOUR_KIE_AI_API_KEY with your actual key).

2.3. Facebook Graph API (Instagram Publishing)

This is required to upload the video to an Instagram Business Account.

1. Locate the **Upload video to Instagram** node (ID: 3018ebf1-ca73-4fc1-a00c-087678e96e58) and the **Post video post to Instagram** node (ID: 31557545-2144-4828-9445-572235773957).
2. Both nodes use a credential named **Facebook Graph account** .
3. Create a new **Facebook Graph API** credential and connect your Facebook/Instagram account.
4. **Crucially**, in the **Upload video to Instagram** node, you must replace the placeholder:
 - In the **Node** field, change =<> insert your instagram business id >> to your actual **Instagram Business Account ID**.

2.4. YouTube

This is required to upload the video to YouTube.

1. Locate the **Upload video to YouTube** node (ID: 60132371-3316-4351-9311-537449839442).
2. This node uses a credential named **YouTube account** .
3. Create a new **YouTube** credential and follow the n8n guide to authenticate with your Google account and grant the necessary permissions for YouTube uploads.

3. Configuring Workflow Nodes

3.1. On form submission (Trigger)

- **Node ID:** 3856b5d1-8294-4857-95d0-ad1451514141

- **Setup:** This is the starting point. You must **Activate** the workflow and then click the **Form URL** button in the node settings to get the link to trigger the workflow.
- **Fields:** It accepts **Instructions** (textarea) and **Aspect ratio** (radio with options: **16:9** , **9:16** , **1:1**).

3.2. Start generating the video (HTTP Request)

- **Node ID:** 0a681b13-4796-4d1b-8c24-1855d0199942
- **Setup:** Ensure the Kie.ai credential is set up (see 2.2).
- **Body:** The JSON body contains a placeholder for a callback URL: "callBackUrl": "<https://your-domain.com/api/callback>" .
 - **Action Required:** You must replace "<https://your-domain.com/api/callback>" with a publicly accessible URL that the Kie.ai service can use to notify n8n when the video generation is complete. This is typically a **Webhook URL** from a separate n8n workflow or a dedicated endpoint.

3.3. Wait (for Status Check)

- **Node ID:** 2b504a0e-057f-4f44-b55d-b942b4289925
- **Setup:** This node is a **Wait** node, which pauses the workflow execution and waits for an external signal to resume.
- **Action Required:** The **webhookId** (**be790b26-e203-4695-859f-01bca4cbef18**) suggests this node is waiting for a specific webhook call to resume. This webhook call should be triggered by the callback URL you configured in the **Start generating the video** node (3.2) once the video is ready. You will need a separate workflow to handle the Kie.ai callback and send a resume signal to this **Wait** node.

3.4. Upload video to Instagram (Facebook Graph API)

- **Node ID:** 3018ebf1-ca73-4fc1-a00c-087678e96e58
- **Setup:** Ensure the Facebook Graph API credential is set up (see 2.3).
- **Action Required:** As mentioned in 2.3, replace the placeholder in the **Node** field with your **Instagram Business Account ID**.

4. Summary of Required Actions

Section	Node Name	Action Required
---------	-----------	-----------------

2.1 LLM	OpenAI Chat Model	Configure OpenAI API Key credential.
2.2 Kie.ai	Start generating the video , Get status of the video	Configure HTTP Bearer Auth credential with your Kie.ai API Key .
2.3 Instagram	Upload video to Instagram , Post video post to Instagram	Configure Facebook Graph API credential.
2.3 Instagram	Upload video to Instagram	Replace placeholder with your Instagram Business Account ID .
2.4 YouTube	Upload video to YouTube	Configure YouTube credential.
3.2 Kie.ai Callback	Start generating the video	Replace the placeholder <code>callBackUrl</code> with a valid, publicly accessible URL for the Kie.ai service to call back.
3.3 Wait	Wait	Ensure a separate workflow is set up to receive the Kie.ai callback and send a resume signal to this <code>Wait</code> node.