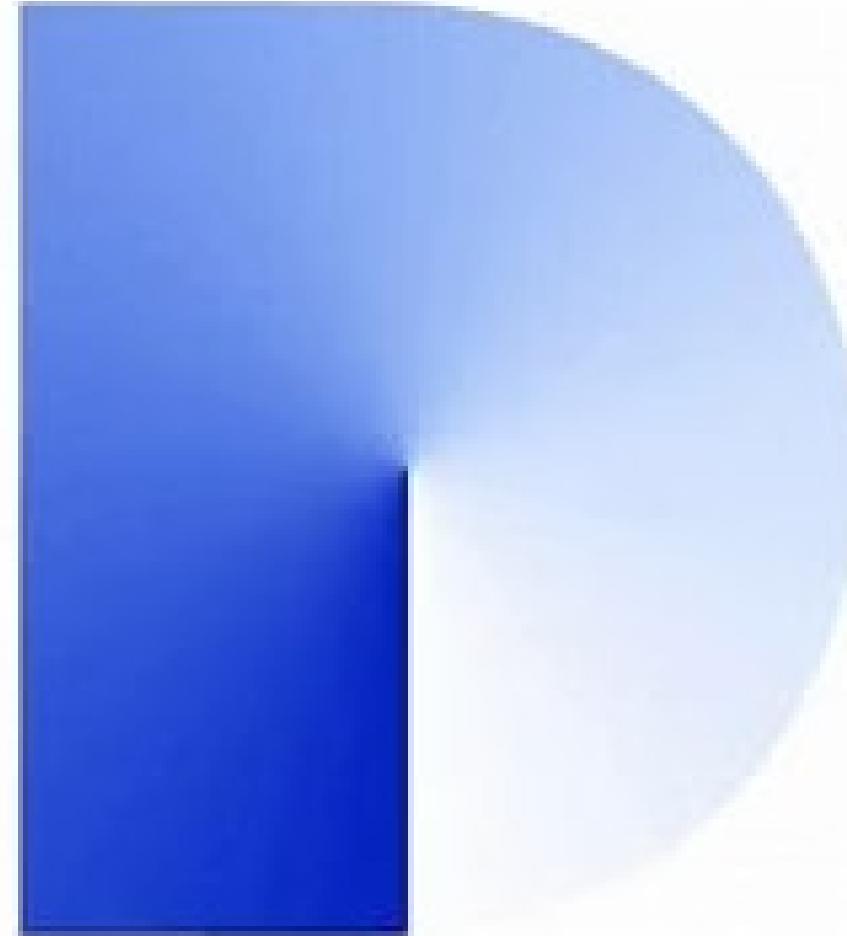


Dify: Empowering AI Workflows with Ease

Welcome to the future of AI application development. This presentation explores Dify, the open-source platform making sophisticated AI accessible for everyone.



What is Dify?

The Unified Platform for AI Application Development

Open-Source & Flexible

A community-driven, no-code/low-code platform for building AI-native applications like chatbots, agents, and Q&A systems.

LLM Integration

Integrates seamlessly with leading Large Language Model providers, including OpenAI, Anthropic, and Google Gemini, ensuring flexibility.

Rapid Visual Development

Enables rapid AI app creation using an intuitive, visual drag-and-drop interface, ideal for developers and non-technical users alike.



Key Features of Dify



Visual Workflow Builder

Design complex AI logic and processes with an intuitive, zero-code drag-and-drop user interface.



Multi-LLM Support

Connect and switch between various language models, such as GPT-4, Llama 3, Claude, and more.



Backend as a Service (BaaS)

Provides scalable infrastructure for deployment, management, and hosting of your AI applications.



LLM Ops Tools

Built-in features for monitoring logs, fine-tuning models, and optimizing the performance of your AI workflows.



Community-Driven

Benefit from constant evolution and robust features contributed by a global open-source community.

Ways to Create an App

Dify offers various methods to create a new application, providing flexibility to users based on their needs and existing resources.

CREATE APP

 **Create from Blank**

 **Create from Template**

 **Import DSL file**

1

Create from Blank

Start with a completely empty workflow

2

Create from Template

Use pre-built templates as starting points

3

Import DSL file

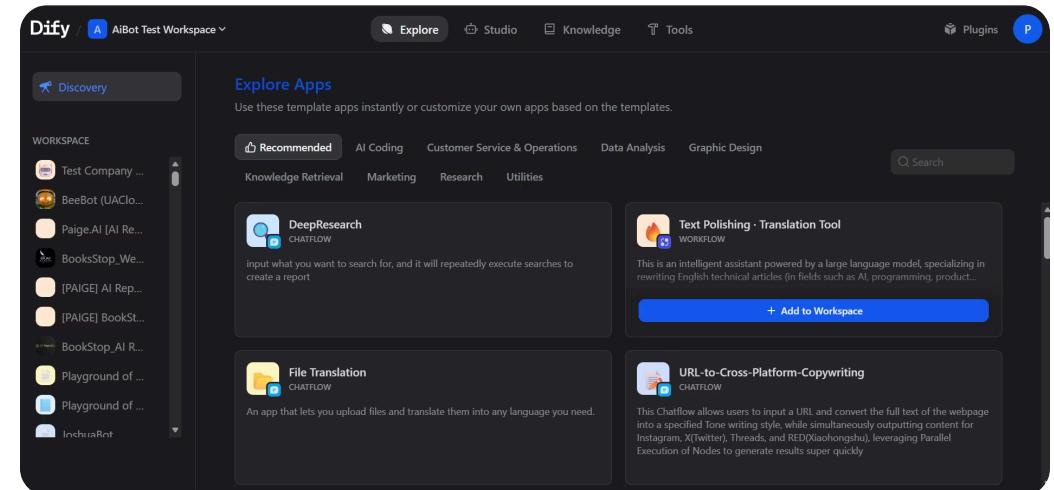
Import existing workflow configurations

This gives users flexibility in how they want to begin their app development journey.

Need Inspiration? Explore Pre-made Apps

If you don't know what apps to make or want inspiration, you can go to the Explore section to see pre-made apps that are close to what you're looking for.

The Explore Apps interface showcases diverse templates, such as DeepResearch, Text Polishing, and File Translator, providing a rich source of ideas for your own AI applications.



You can use these template apps internally or customize your own apps based on these templates.

Dify App Types

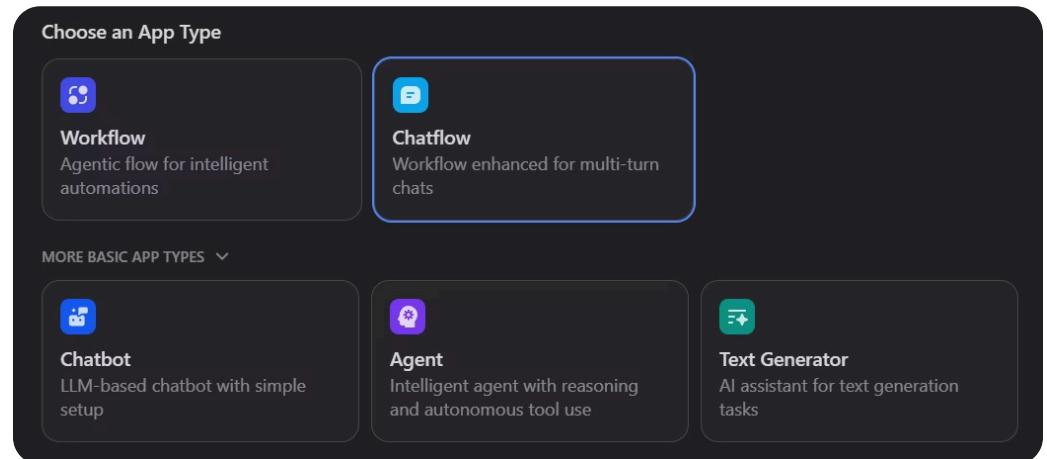
When creating an app in Dify, there are many types available, but the most commonly used are Chatflow and Workflow.

Chatflow

Workflow enhanced for multi-turn chats.

Workflow

Agent-like for intelligent automations.



Other available types include Chatbot, Agent, and Text Generator for completeness.

Most Used Nodes in Dify Apps

These are the commonly used workflow nodes in Dify applications.

START

Entry point for the workflow

KNOWLEDGE RETRIEVAL

Fetches relevant information from knowledge bases

QUESTION CLASSIFIER

Routes queries based on intent or category

LLM

Large Language Model processing node

IF/ELSE

Conditional logic branching

ANSWER

Final response output

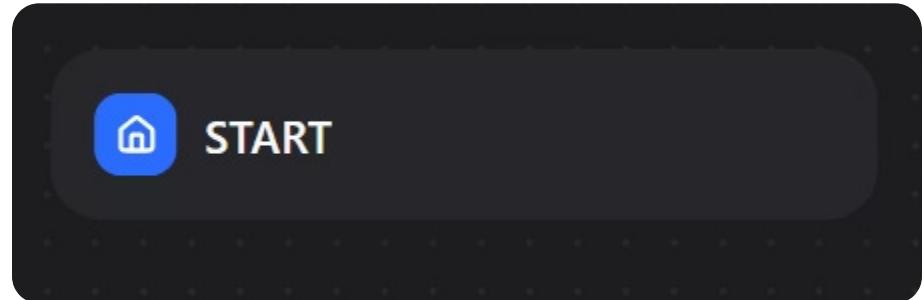
CODE

Custom code execution for advanced logic

These nodes form the building blocks for most Dify applications.

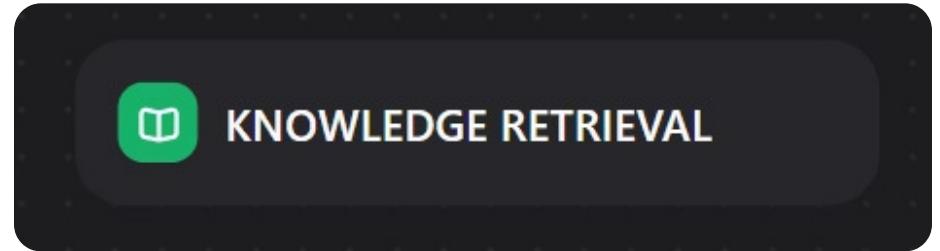
START Node

The entry point for every Dify workflow. This is where user input begins and the workflow execution starts. All workflows must begin with a START node to receive and process initial user queries or data.



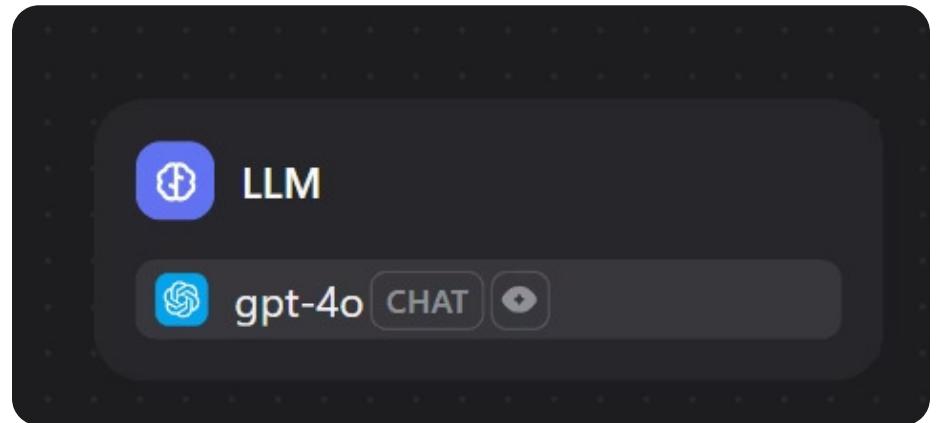
KNOWLEDGE RETRIEVAL Node

Fetches relevant information from knowledge bases and documents. This node searches through your uploaded data, documents, or connected databases to find contextually relevant information that will help answer the user's query. Essential for RAG (Retrieval-Augmented Generation) workflows.



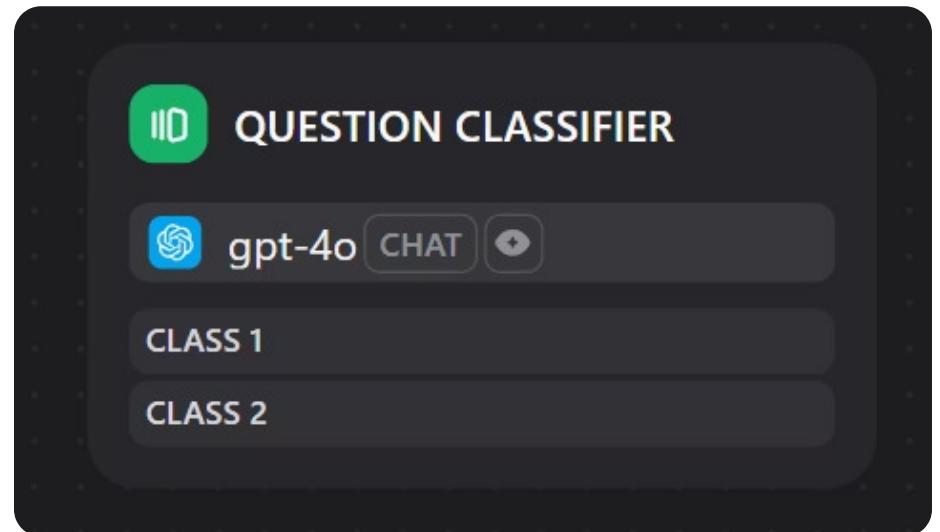
LLM Node

Large Language Model processing node. This is the core AI processing unit that takes input data, context, and instructions to generate intelligent responses. You can configure which LLM to use (GPT-4, Claude, Llama, etc.) and customize prompts to control the AI's behavior and output style.



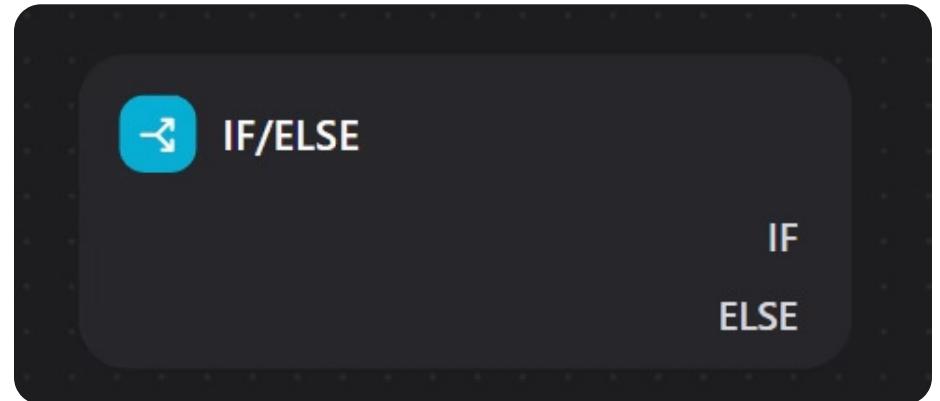
QUESTION CLASSIFIER Node

Routes queries based on intent or category. This intelligent node analyzes incoming user questions and automatically categorizes them, directing the workflow down different paths based on the type of query. Perfect for creating sophisticated customer support or multi-purpose chatbots.



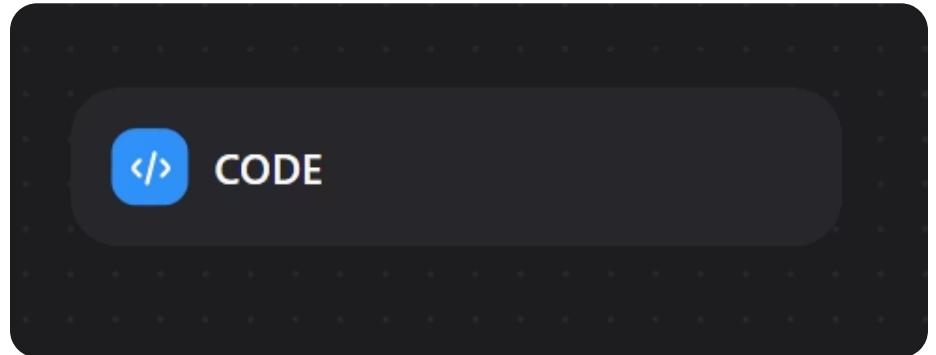
IF/ELSE Node

Conditional logic branching node. This node evaluates conditions and directs the workflow down different paths based on true/false logic. Essential for creating dynamic workflows that respond differently based on user input, data values, or processing results.



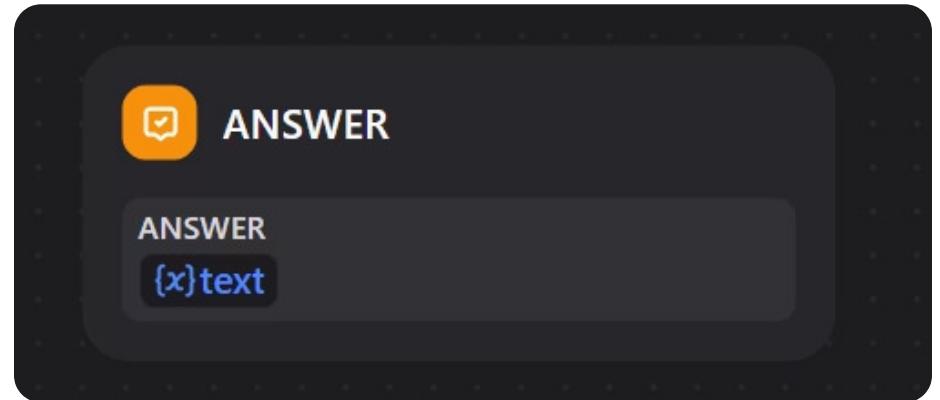
CODE Node

Custom code execution for advanced logic. This node allows developers to write custom Python code for complex data processing, API calls, mathematical calculations, or any custom logic that goes beyond standard node capabilities. Perfect for advanced integrations and custom business logic.



ANSWER Node

Final response output node. This is the endpoint of your workflow where the processed information is formatted and delivered back to the user. You can customize the response format, add variables from previous nodes, and ensure the final output meets your specific requirements.



What is the RAG Model? (Retrieval-Augmented Generation)

RAG is a powerful technique that combines the generative capabilities of LLMs with the ability to retrieve relevant, external data. This addresses major limitations of standard LLMs, such as the static knowledge cutoff and the tendency to 'hallucinate' (make up facts).

RAG Workflow Steps:



Retrieve relevant documents or snippets from a dedicated knowledge base (e.g., your documents, database).



Augment the original user query by injecting the retrieved context into the LLM prompt.



Generate a precise and verifiable answer that is directly grounded in the up-to-date data.



How Dify Simplifies RAG Implementation

Dify abstracts away the complexity of managing vector databases, document processing, and prompt engineering, making RAG accessible to everyone.

1

Automated RAG Pipeline

Dify automates complex components: document chunking, vector embedding generation, precise retrieval, and intelligent prompt augmentation.

2

Visual Workflow Nodes

Utilize pre-built, configurable nodes for knowledge retrieval and LLM integration directly within the visual editor.

3

Comprehensive Compatibility

Supports seamless integration with multiple popular vector databases and a wide array of LLM providers out of the box.

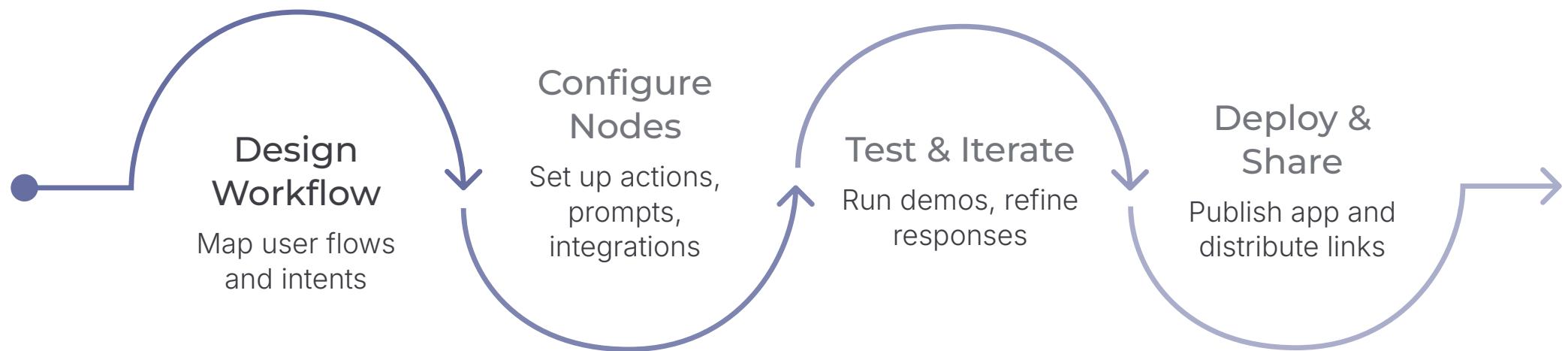
4

Low-Code Accessibility

Requires no deep technical expertise—simply upload your proprietary data and visually configure your workflow settings.

Live Demonstration: Building Your Dify App

Experience Dify firsthand and see how simple it is to bring your AI ideas to life.



Join us for an interactive walk-through where we'll show you how to leverage Dify's powerful features to create functional and intelligent AI applications.

Let's Get Building!

Now it's your turn to explore Dify's capabilities. Follow these steps to create your own AI application.



Access Dify Platform

Log in or sign up to begin your journey.



Choose a Template

Select from existing templates or start from scratch.



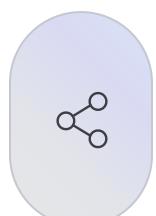
Customize Workflow

Add and configure nodes to build your logic.



Test & Iterate

Run your app, refine prompts, and improve responses.



Share Your Creation

Showcase your app and gather feedback.

Our team is here to help you every step of the way!

Conclusion: Why Choose Dify?

Fast

App Development

No-code platform accelerates the journey from concept to deployment.

Open

Source & Community

Continuously improving, flexible, and supported by a global network.

- ❑ Ready to start? Visit <https://dify.ai> and unlock the full potential of AI for your organization today!