A screenshot of a computer

AI-generated content may be incorrect.

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**File Component**

* **Used for:** Uploading and reading a file in Langflow
* **Purpose:** To take the content (text) from the file and send it to the next block
* **Supports:** .txt, .csv, .json, .zip
* **Extra:** Can read many files at once (using multithreading)

First block in the flow — without it, Langflow won't know what data to work on.

A screenshot of a chat input box

AI-generated content may be incorrect.

**Chat Input Component  
→ Used to type a message (your input text)  
→ You can also attach a file if you want  
→ This message gets passed into the chatbot or agent**

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**This block formats your file/chat input into proper message(s) so the AI can understand and reply better.**

A screenshot of a chat

AI-generated content may be incorrect.

Same as before

A screenshot of a computer

AI-generated content may be incorrect.

* Connects to a **Virtual Machine (VM)** using:
  + IP address
  + Username
  + Password or PEM file
* Then it:
  + 🛠️ **Runs scanning tools** like:
    - Bandit
    - Pylint
    - Flake8
    - K8sGPT
    - Snyk
  + Or ✍️ **Executes your own custom command**
* 📁 **Saves the results** in .txt files on the VM in the folder you choose.

1. SUMMARY:  
   **📂 File Component**  
   ➤ Used to **upload files** like .txt, .csv, .json, etc.  
   ➤ These files act as **input data** for further processing.
2. **💬 Chat Input Component**  
   ➤ You can use **multiple Chat Inputs** in one flow.  
   ➤ They are used to **add any kind of user message or instruction** (like “What is this document about?”).  
   ➤ These messages can be connected to other components to help the system know **what you want to do** with the uploaded data.
3. **📨 Data to Message Component**  
   ➤ This **converts the uploaded file data** into a readable **message format** using a template.  
   ➤ The template can include things like {text} so the AI knows **how to display the data**.  
   ➤ Example: It prepares the text in a **clean, understandable format** for the user or for the next AI model.
4. **🛡️ Scanning and Report Generator Component (K8sGPTExecutor)**  
   ➤ Requires **VM credentials** like username, password, or PEM file.  
   ➤ It can:
   * Either run your **custom command**, *or*
   * Automatically run a group of **security tools** (like Bandit, Pylint, K8sGPT, etc.).  
     ➤ The **output of each tool** is saved on the VM in .txt files.

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