

MISTRAL AI PARIS HACKATHON



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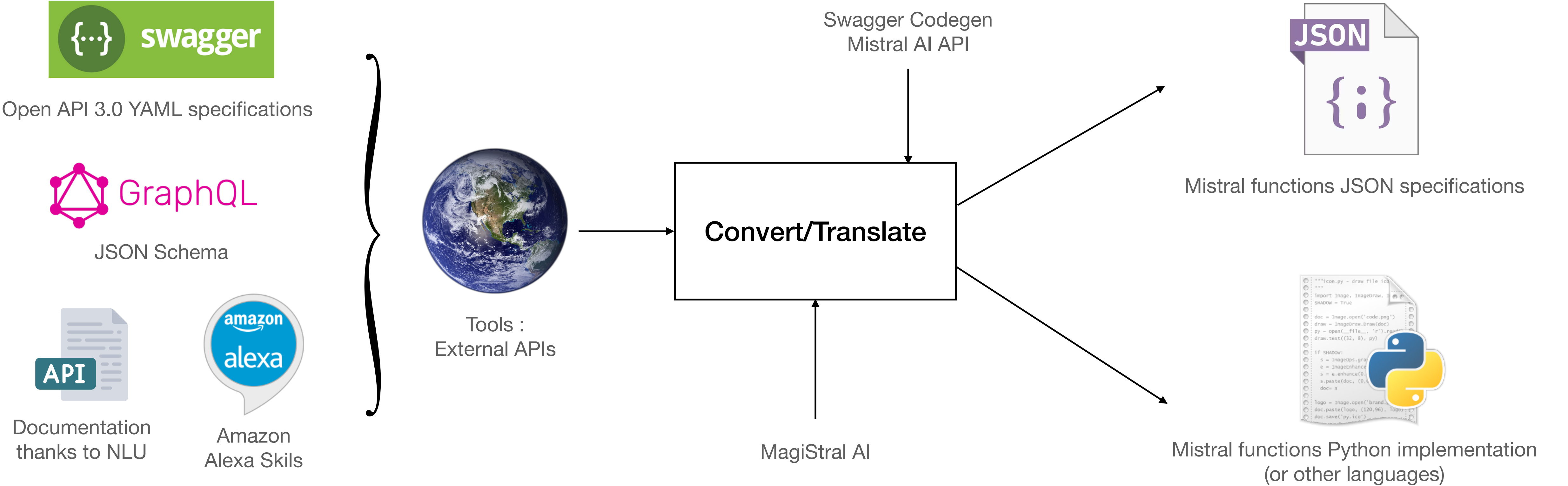
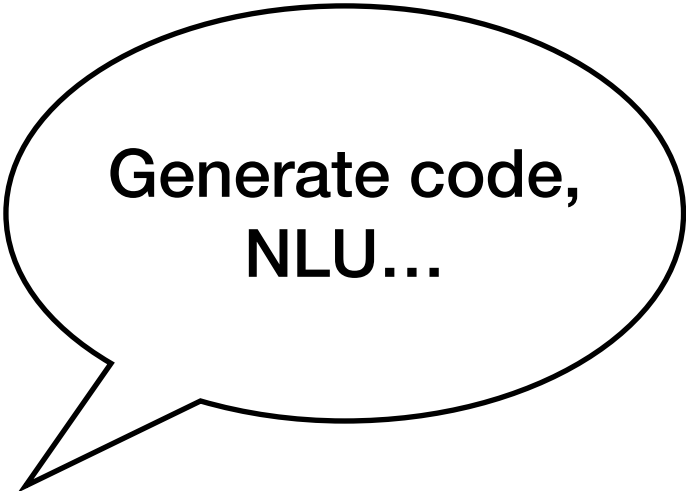
Universal Mistral AI tool integration/connector

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SADT A-0 overview diagram

Easy external tools integration into the Mistral AI ecosystem



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UI mockup : 1 click to get the tool integration/connector



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API specification URL :

Token :

Generate

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Roadmap

- Single function / API calls
 - Simple API (e.g. OpenWeather Map) using Mistral Chat
 - Automate (generate code, or use convert code)
- Libraries
 1. Swagger Open API specification
 2. GraphQL
 3. Integration with multi-agents system
 - LangChain

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Simple API (e.g. OpenWeather Map)

```
tools = [
  {
    "type": "function",
    "function": {
      "name": "get_weather_data",
      "description": "Fetches the current weather data for a given location using the Open Weather Map API.",
      "parameters": {
        "type": "object",
        "properties": {
          "location": {
            "type": "string",
            "description": "The name of the city or the city's ID.",
          }
        },
        "required": ["location"],
      }
    }
  },
],

names_to_functions = {
  'get_weather_data': get_weather_data,
}
```

```
messages = [
  ChatMessage(role="user", content="What is the meteo in Paris?")
]
```

```
Function parameters: location=Paris
The current weather in Paris is broken clouds with a temperature of 292.9 K (19.75°C or 67.55°F). The humidity is at 55%, and the wind speed is 3.09 m/s. The weather data is provided by OpenWeather.
Function name: get_weather_data, Function description: Fetches the current weather data for a given location using the Open Weather Map API.
```

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Automatically create API wrappers

- Swagger Codegen
 - `python wizard.py > res.py`
 - `python res.py`