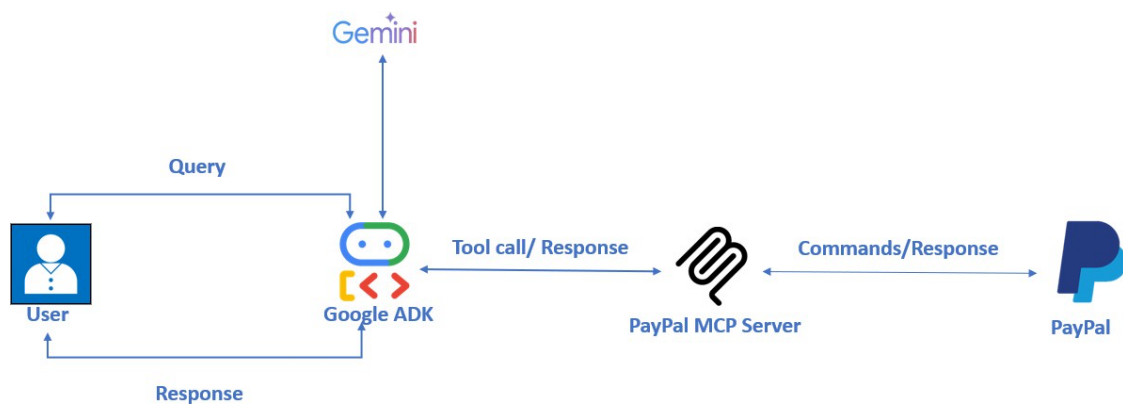


# PayPal MCP Integration with Google ADK

## Overview



## Prerequisites

Before you begin, ensure you have:

- Python 3.9+ installed
- Node.js and npm installed (for running the MCP server)
- uv installed for Python package management
- A PayPal account with access to create access tokens

## Setup Environment

### 1. Create Project with uv

First, create and initialize the project using uv:

```
# Create and initialize project with uv
uv init adk_projects
cd adk_projects
```

## 2. Install Google ADK

Install Google ADK using uv:

```
uv add google-adk==0.5.0
```

This automatically creates a virtual environment and installs the package.

## 3. Create PayPal Agent Subdirectory

Now create a subdirectory for your PayPal agent:

```
# Create agent subdirectory
mkdir paypal_agent
```

## Project Structure

Set up your project with this structure:

```
adk_projects/
├── .venv/          # Automatically created by uv
├── pyproject.toml  # Created by uv init
├── README.md       # Created by uv init
└── paypal_agent/
    ├── __init__.py
    ├── agent.py
    └── .env
```

**Important:** The ADK looks for agents in subdirectories of the directory where you run `adk web`. This structure ensures your agent will be detected properly.

# Implementation

## PayPal Agent Code

Place the `agent.py` file inside the `paypal_agent/` subdirectory with the PayPal MCP configuration.

## Initialize Package

Create an `__init__.py` file:

```
from . import agent
```

## Set Up Environment Variables

Create a `.env` file in the `paypal_agent/` subdirectory:

`paypal_agent/`

Add the following content to the `.env` file:

```
GOOGLE_GENAI_USE_VERTEXAI=FALSE  
GOOGLE_API_KEY=your_gemini_api_key_here
```

## Running Your Agent

Make sure you're in the project directory ( `adk_projects/` project):

```
# Ensure you're in the project directory  
cd adk_projects # If you're not already there  
  
# Run the ADK web interface  
adk web
```

This will launch the ADK development UI, typically at <http://localhost:8000>. Select “paypal\_agent” from the dropdown menu to start interacting with your PayPal assistant.

**Note:** If “paypal\_agent” doesn’t appear in the dropdown menu, verify:

1. You’re running

`uv run adk web` from the project directory ( `adk_projects/` )

2. The

`__init__.py` file in the `paypal_agent` directory properly imports the agent with `from . import agent`

3. The subdirectory structure is correct