

Excellent! You have most of what we need. Let me search for the Luxchat/Matrix API documentation to give you the best guidance. Perfect! Now I have the information. For Python, the best option is the python-matrix-bot-api, which is a Python 3 API for making Matrix bots.

Let me create a **Python Matrix bot for Luxchat** that handles holiday questions: Perfect! I've created a **Python Matrix bot for Luxchat** that handles holiday questions. Here's what you need to do:

## Installation & Setup

### Step 1: Install Required Libraries

```
pip install matrix-client
```

### Step 2: Configure the Bot

Edit these lines in the code with your actual Luxchat details:

```
HOMESERVER_URL = "https://your-luxchat-homeserver.lu"
BOT_USERNAME = "@bot_username:your-luxchat-homeserver.lu"
BOT_PASSWORD = "your_bot_password"
HOLIDAYS_FILE = "holidays.json" # Path to your holidays.json from Feierdeeg
```

### Step 3: Prepare Your Holidays File

- Copy the `holidays.json` file you generated from Feierdeeg
- Put it in the same folder as the bot script

### Step 4: Run the Bot

```
python luxchat_holiday_bot.py
```

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## What the Bot Does

Users can ask it:

- **"Is 25-12-2025 a holiday?"** → Bot responds with holiday name
  - **"Holidays in 2025"** → Bot lists all Luxembourg holidays for that year
  - **"Help"** → Shows usage instructions
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## Where Should It Run?

### Best Option: Always-On Server

- A cloud server (AWS, Azure, DigitalOcean, etc.)
- Your home computer (if always running)
- A Raspberry Pi

**For Testing:** Just run it on your computer while testing

Do you have Luxchat credentials ready to test this? And do you need help with deployment options?