https://docs.privategpt.dev/overview/welcome/introduction

Install Git

A screenshot of a computer

Description automatically generated

#### git clone

C:\Users\Nick>git clone https://github.com/zylon-ai/private-gpt

Cloning into 'private-gpt'...

remote: Enumerating objects: 2086, done.

remote: Counting objects: 100% (89/89), done.

remote: Compressing objects: 100% (72/72), done.

remote: Total 2086 (delta 42), reused 43 (delta 15), pack-reused 1997

Receiving objects: 100% (2086/2086), 2.15 MiB | 7.50 MiB/s, done.

Resolving deltas: 100% (1233/1233), done.

C:\Users\Nick>cd private-gpt

C:\Users\Nick\private-gpt>

Install Python 3.11

A screenshot of a computer

Description automatically generated

Install Chocolatey, run in PS as administrator

PS C:\WINDOWS\system32> Set-ExecutionPolicy AllSigned Execution Policy Change The execution policy helps protect you from scripts that you do not trust. Changing the execution policy might expose

you to the security risks described in the about\_Execution\_Policies help topic at

https:/go.microsoft.com/fwlink/?LinkID=135170. Do you want to change the execution policy?

[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "N"): Y

PS C:\WINDOWS\system32> Set-ExecutionPolicy Bypass -Scope Process -Force; [System.Net.ServicePointManager]::SecurityProtocol = [System.Net.ServicePointManager]::SecurityProtocol -bor 3072; iex ((New-Object System.Net.WebClient).DownloadString('https://community.chocolatey.org/install.ps1'))

Forcing web requests to allow TLS v1.2 (Required for requests to Chocolatey.org)

Getting latest version of the Chocolatey package for download.

Not using proxy.

Getting Chocolatey from https://community.chocolatey.org/api/v2/package/chocolatey/2.3.0.

Downloading https://community.chocolatey.org/api/v2/package/chocolatey/2.3.0 to C:\Users\Nick\AppData\Local\Temp\chocolatey\chocoInstall\chocolatey.zip

Not using proxy.

Extracting C:\Users\Nick\AppData\Local\Temp\chocolatey\chocoInstall\chocolatey.zip to C:\Users\Nick\AppData\Local\Temp\chocolatey\chocoInstall

Installing Chocolatey on the local machine

Creating ChocolateyInstall as an environment variable (targeting 'Machine')

Setting ChocolateyInstall to 'C:\ProgramData\chocolatey'

WARNING: It's very likely you will need to close and reopen your shell

before you can use choco.

Restricting write permissions to Administrators

We are setting up the Chocolatey package repository.

The packages themselves go to 'C:\ProgramData\chocolatey\lib'

(i.e. C:\ProgramData\chocolatey\lib\yourPackageName).

A shim file for the command line goes to 'C:\ProgramData\chocolatey\bin'

and points to an executable in 'C:\ProgramData\chocolatey\lib\yourPackageName'.

Creating Chocolatey CLI folders if they do not already exist.

chocolatey.nupkg file not installed in lib.

Attempting to locate it from bootstrapper.

PATH environment variable does not have C:\ProgramData\chocolatey\bin in it. Adding...

WARNING: Not setting tab completion: Profile file does not exist at

'C:\Users\Nick\Documents\WindowsPowerShell\Microsoft.PowerShell\_profile.ps1'.

Chocolatey CLI (choco.exe) is now ready.

You can call choco from anywhere, command line or powershell by typing choco.

Run choco /? for a list of functions.

You may need to shut down and restart powershell and/or consoles

first prior to using choco.

Ensuring Chocolatey commands are on the path

Ensuring chocolatey.nupkg is in the lib folder

PS C:\WINDOWS\system32>

Install Poetry, run in PS as administrator

PS C:\WINDOWS\system32> (Invoke-WebRequest -Uri https://install.python-poetry.org -UseBasicParsing).Content | py - Retrieving Poetry metadata

# Welcome to Poetry!

This will download and install the latest version of Poetry,

a dependency and package manager for Python.

It will add the `poetry` command to Poetry's bin directory, located at:

C:\Users\Nick\AppData\Roaming\Python\Scripts

You can uninstall at any time by executing this script with the --uninstall option,

and these changes will be reverted.

Installing Poetry (1.8.3)

Installing Poetry (1.8.3): Creating environment

Installing Poetry (1.8.3): Installing Poetry

Installing Poetry (1.8.3): Creating script

Installing Poetry (1.8.3): Done

Poetry (1.8.3) is installed now. Great!

To get started you need Poetry's bin directory (C:\Users\Nick\AppData\Roaming\Python\Scripts) in your `PATH`

environment variable.

Alternatively, you can call Poetry explicitly with `C:\Users\Nick\AppData\Roaming\Python\Scripts\poetry`.

You can test that everything is set up by executing:

`poetry --version`

PS C:\WINDOWS\system32>

Install make, run in PS as administrator

PS C:\WINDOWS\system32> choco install make

Chocolatey v2.3.0

Installing the following packages:

make

By installing, you accept licenses for the packages.

Downloading package from source 'https://community.chocolatey.org/api/v2/'

Progress: Downloading make 4.4.1... 100%

make v4.4.1 [Approved]

make package files install completed. Performing other installation steps.

ShimGen has successfully created a shim for make.exe

The install of make was successful.

Deployed to 'C:\ProgramData\chocolatey\lib\make'

Chocolatey installed 1/1 packages.

See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).

PS C:\WINDOWS\system32>

Install Ollama

A screenshot of a computer

Description automatically generated

Install LLM, embedding modules and run ollama,

PS C:\WINDOWS\system32> ollama pull mistral

pulling manifest

pulling ff82381e2bea... 100% ▕████████████████████████████████████████████████████████▏ 4.1 GB

pulling 43070e2d4e53... 100% ▕████████████████████████████████████████████████████████▏ 11 KB

pulling c43332387573... 100% ▕████████████████████████████████████████████████████████▏ 67 B

pulling ed11eda7790d... 100% ▕████████████████████████████████████████████████████████▏ 30 B

pulling 42347cd80dc8... 100% ▕████████████████████████████████████████████████████████▏ 485 B

verifying sha256 digest

writing manifest

removing any unused layers

success

PS C:\WINDOWS\system32> ollama pull nomic-embed-text

pulling manifest

pulling 970aa74c0a90... 100% ▕████████████████████████████████████████████████████████▏ 274 MB

pulling c71d239df917... 100% ▕████████████████████████████████████████████████████████▏ 11 KB

pulling ce4a164fc046... 100% ▕████████████████████████████████████████████████████████▏ 17 B

pulling 31df23ea7daa... 100% ▕████████████████████████████████████████████████████████▏ 420 B

verifying sha256 digest

writing manifest

removing any unused layers

success

PS C:\WINDOWS\system32> ollama serve

Error: listen tcp 127.0.0.1:11434: bind: Only one usage of each socket address (protocol/network address/port) is normally permitted.

PS C:\WINDOWS\system32> ollama serve

2024/06/11 15:11:59 routes.go:1011: INFO server config env="map[OLLAMA\_DEBUG:false OLLAMA\_FLASH\_ATTENTION:false OLLAMA\_HOST: OLLAMA\_KEEP\_ALIVE: OLLAMA\_LLM\_LIBRARY: OLLAMA\_MAX\_LOADED\_MODELS:1 OLLAMA\_MAX\_QUEUE:512 OLLAMA\_MAX\_VRAM:0 OLLAMA\_MODELS: OLLAMA\_NOHISTORY:false OLLAMA\_NOPRUNE:false OLLAMA\_NUM\_PARALLEL:1 OLLAMA\_ORIGINS:[http://localhost https://localhost http://localhost:\* https://localhost:\* http://127.0.0.1 https://127.0.0.1 http://127.0.0.1:\* https://127.0.0.1:\* http://0.0.0.0 https://0.0.0.0 http://0.0.0.0:\* https://0.0.0.0:\* app://\* file://\* tauri://\*] OLLAMA\_RUNNERS\_DIR:C:\\Users\\Nick\\AppData\\Local\\Programs\\Ollama\\ollama\_runners OLLAMA\_TMPDIR:]"

time=2024-06-11T15:11:59.243+01:00 level=INFO source=images.go:740 msg="total blobs: 9"

time=2024-06-11T15:11:59.247+01:00 level=INFO source=images.go:747 msg="total unused blobs removed: 0"

time=2024-06-11T15:11:59.250+01:00 level=INFO source=routes.go:1057 msg="Listening on 127.0.0.1:11434 (version 0.1.42)"

time=2024-06-11T15:11:59.251+01:00 level=INFO source=payload.go:44 msg="Dynamic LLM libraries [cpu\_avx2 cuda\_v11.3 rocm\_v5.7 cpu cpu\_avx]"

time=2024-06-11T15:11:59.558+01:00 level=INFO source=types.go:71 msg="inference compute" id=0 library=cpu compute="" driver=0.0 name="" total="6.0 GiB" available="2.6 GiB"

Install PrivateGPT

PS C:\WINDOWS\system32> cd C:\Users\Nick\private-gpt

PS C:\Users\Nick\private-gpt> C:\Users\Nick\AppData\Roaming\Python\Scripts\poetry install --extras "ui llms-ollama embeddings-ollama vector-stores-qdrant"

Creating virtualenv private-gpt-sLZXxk6W-py3.11 in C:\Users\Nick\AppData\Local\pypoetry\Cache\virtualenvs

Installing dependencies from lock file

Package operations: 144 installs, 1 update, 0 removals

- Installing pycparser (2.21)

- Installing certifi (2023.11.17)

- Installing cffi (1.16.0)

- Installing h11 (0.14.0)

- Installing idna (3.6)

- Installing sniffio (1.3.0)

- Installing typing-extensions (4.9.0)

- Installing wrapt (1.16.0)

- Installing annotated-types (0.6.0)

- Installing anyio (3.7.1)

- Installing charset-normalizer (3.3.2)

- Installing colorama (0.4.6)

- Installing cryptography (3.4.8)

- Installing deprecated (1.2.14)

- Installing frozenlist (1.4.1)

- Installing httpcore (1.0.2)

- Installing mypy-extensions (1.0.0)

- Installing multidict (6.0.4)

- Installing packaging (23.2)

- Installing pydantic-core (2.14.5)

- Installing six (1.16.0)

- Installing urllib3 (1.26.18)

- Installing aiosignal (1.3.1)

- Installing attrs (23.1.0)

- Installing click (8.1.7)

- Installing distro (1.8.0)

- Installing greenlet (3.0.2)

- Installing httpx (0.25.2)

- Installing joblib (1.3.2)

- Installing marshmallow (3.20.1)

- Installing numpy (1.26.0)

- Installing protobuf (4.25.1)

- Installing pydantic (2.5.2)

- Installing python-dateutil (2.8.2)

- Installing pytz (2023.3.post1)

- Installing pywin32 (306)

- Installing regex (2023.10.3)

- Installing requests (2.31.0)

- Installing rpds-py (0.14.1)

- Downgrading setuptools (69.5.1 -> 69.0.2)

- Installing tqdm (4.66.1)

- Installing typing-inspect (0.9.0)

- Installing tzdata (2023.3)

- Installing yarl (1.9.4)

- Installing aiohttp (3.9.1)

- Installing dataclasses-json (0.5.14)

- Installing dirtyjson (1.0.8)

- Installing filelock (3.13.1)

- Installing fsspec (2023.12.2)

- Installing hpack (4.0.0)

- Installing hyperframe (6.0.1)

- Installing llamaindex-py-client (0.1.13)

- Installing nest-asyncio (1.5.8)

- Installing mdurl (0.1.2)

- Installing networkx (3.2.1)

- Installing nltk (3.8.1)

- Installing openai (1.5.0)

- Installing pandas (2.1.4)

- Installing pillow (10.1.0)

- Installing portalocker (2.8.2)

- Installing pyyaml (6.0.1)

- Installing referencing (0.32.0)

- Installing sqlalchemy (2.0.27)

- Installing tenacity (8.2.3)

- Installing tiktoken (0.5.2)

- Installing grpcio (1.60.0)

- Installing h2 (4.1.0)

- Installing httptools (0.6.1)

- Installing huggingface-hub (0.19.4)

- Installing jsonschema-specifications (2023.11.2)

- Installing llama-index-core (0.10.14.post1)

- Installing markdown-it-py (3.0.0)

- Installing markupsafe (2.1.3)

- Installing pygments (2.17.2)

- Installing python-dotenv (1.0.0)

- Installing soupsieve (2.5)

- Installing starlette (0.36.3)

- Installing watchfiles (0.21.0)

- Installing websockets (11.0.3)

- Installing beautifulsoup4 (4.12.3)

- Installing contourpy (1.2.0)

- Installing cycler (0.12.1)

- Installing distlib (0.3.8)

- Installing dnspython (2.4.2)

- Installing fastapi (0.110.0)

- Installing fonttools (4.46.0)

- Installing grpcio-tools (1.60.0)

- Installing importlib-resources (6.1.1)

- Installing iniconfig (2.0.0)

- Installing jinja2 (3.1.2)

- Installing jsonschema (4.20.0)

- Installing kiwisolver (1.4.5)

- Installing orjson (3.9.15)

- Installing platformdirs (4.1.0)

- Installing pluggy (1.3.0)

- Installing pymupdfb (1.23.22)

- Installing pyparsing (3.1.1)

- Installing rich (13.7.0)

- Installing safetensors (0.4.1)

- Installing shellingham (1.5.4)

- Installing tokenizers (0.15.2)

- Installing toolz (0.12.0)

- Installing typer (0.9.0)

- Installing uvicorn (0.24.0.post1)

- Installing aiofiles (23.2.1)

- Installing altair (5.2.0)

- Installing bs4 (0.0.2)

- Installing cfgv (3.4.0)

- Installing coverage (7.3.3)

- Installing email-validator (2.1.0.post1)

- Installing ffmpy (0.3.1)

- Installing gradio-client (0.10.1)

- Installing identify (2.5.33)

- Installing itsdangerous (2.1.2)

- Installing matplotlib (3.8.2)

- Installing nodeenv (1.8.0)

- Installing pathspec (0.12.1)

- Installing pydantic-extra-types (2.2.0)

- Installing pydantic-settings (2.1.0)

- Installing pydub (0.25.1)

- Installing pymupdf (1.23.25)

- Installing pypdf (4.0.2)

- Installing pytest (7.4.3)

- Installing python-multipart (0.0.9)

- Installing qdrant-client (1.7.3)

- Installing ruff (0.2.2)

- Installing semantic-version (2.10.0)

- Installing tomlkit (0.12.0)

- Installing transformers (4.38.2)

- Installing ujson (5.9.0)

- Installing virtualenv (20.25.0)

- Installing black (22.12.0)

- Installing docx2txt (0.8)

- Installing gradio (4.19.2)

- Installing injector (0.21.0)

- Installing llama-index-embeddings-ollama (0.1.2)

- Installing llama-index-llms-ollama (0.1.2)

- Installing llama-index-readers-file (0.1.6)

- Installing llama-index-vector-stores-qdrant (0.1.3)

- Installing mypy (1.7.1)

- Installing pre-commit (2.21.0)

- Installing pytest-asyncio (0.21.1)

- Installing pytest-cov (3.0.0)

- Installing types-pyyaml (6.0.12.12)

- Installing watchdog (4.0.0)

Installing the current project: private-gpt (0.5.0)

PS C:\Users\Nick\private-gpt>

A screenshot of a computer program

Description automatically generated

Run in CMD as administrator

cd C:\Users\Nick\private-gpt

set PGPT\_PROFILES=ollama

make run

A screenshot of a computer

Description automatically generated

Load files into Private GPT and query

A screenshot of a computer

Description automatically generated