GraphQL

As **FastAPI** is based on the **ASGI** standard, it's very easy to integrate any **GraphQL** library also compatible with ASGI.

You can combine normal FastAPI *path operations* with GraphQL on the same application.

!!! tip **GraphQL** solves some very specific use cases.

```
It has **advantages** and **disadvantages** when compared to common **web APIs**.

Make sure you evaluate if the **benefits** for your use case compensate the
**drawbacks**. 🤓
```

GraphQL Libraries

Here are some of the **GraphQL** libraries that have **ASGI** support. You could use them with **FastAPI**:

- [Strawberry](#) 🍓
  - With [docs for FastAPI](#)
- [Ariadne](#)
  - With [docs for Starlette](#) (that also apply to FastAPI)
- [Tartiflette](#)
  - With [Tartiflette ASGI](#) to provide ASGI integration
- [Graphene](#)
  - With [starlette-graphene3](#)

GraphQL with Strawberry

If you need or want to work with **GraphQL**, [**Strawberry**](#) is the **recommended** library as it has the design closest to **FastAPI's** design, it's all based on **type annotations**.

Depending on your use case, you might prefer to use a different library, but if you asked me, I would probably suggest you try **Strawberry**.

Here's a small preview of how you could integrate Strawberry with FastAPI:

```
{!../../../docs_src/graphql/tutorial001.py!}
```

You can learn more about Strawberry in the [Strawberry documentation](#).

And also the docs about [Strawberry with FastAPI](#).

Older `GraphQLApp` from Starlette

Previous versions of Starlette included a `GraphQLApp` class to integrate with [Graphene](#).

It was deprecated from Starlette, but if you have code that used it, you can easily **migrate** to [starlette-graphene3](#), that covers the same use case and has an **almost identical interface**.

!!! tip If you need GraphQL, I still would recommend you check out [Strawberry](#), as it's based on type annotations instead of custom classes and types.

Learn More

You can learn more about **GraphQL** in the [official GraphQL documentation](#).

You can also read more about each those libraries described above in their links.