



Python Biella Group

FastAPI framework

High performance, easy to learn, fast to code, ready for production

a cura di: Mario Nardi



Perche' FastAPI

<https://fastapi.tiangolo.com/>

Veloce in esecuzione: alla pari di NodeJS/Go, usa Starlette e Pydantic

Veloce nello sviluppo: produttivita' 2-3 volte superiore a Flask/Django; validazioni, scambio dati, documentazione "automatici"

Meno bugs

Intuitivo e facile da imparare

Sintetico: meno codice

Standard: API con Swagger

Robusto: pronto per la Produzione



Modern Python

Type hints: usati per conversion e doc

Nativamente asyncio/await

ASGI servers

Data classes / Pydantic classes

OpenAPI documentation automatica

Facile integrazione con pytest

Supporto per gli editor famosi



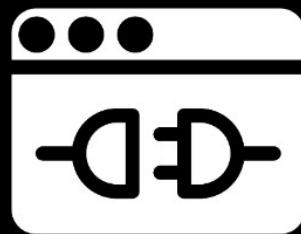
FastAPI vs concorrenti

FastAPI: async API framework nativo

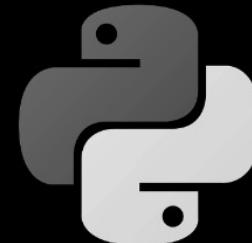




Macro programma del corso



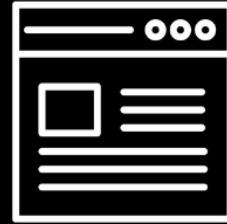
First API



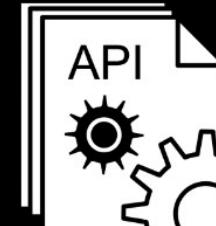
Language features



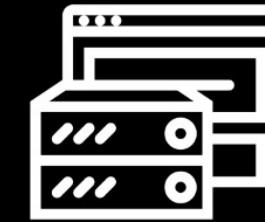
Pydantic



Serving HTML



A full featured API



Deployment



La “storia” di FastAPI

PODCASTS

<https://talkpython.fm/episodes/show/284/modern-and-fast-apis-with-fastapi>

<https://talkpython.fm/episodes/show/315/awesome-fastapi-extensions-and-add-ons>

Modern and fast APIs with FastAPI

Episode #284, published Sun, Oct 4, 2020, recorded Thu, Jul 23, 2020.

▶ • 0:00 / 0:00 🔍

[iTunes](#) [Google](#) [MP3](#) [Transcript](#) [Embed](#)

 This episode is carbon neutral.

Sebastián Ramírez

Sebastián Ramírez (tiangolo) is the creator of FastAPI, Typer, and other open source tools. He is currently a developer at Explosion in Berlin, Germany.