



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 async/await**

**ASGI servers**

**Data classes / Pydantic classes**

**OpenAPI documentation automatica**

**Facile integrazione con pytest**

**Supporto per gli editor famosi**



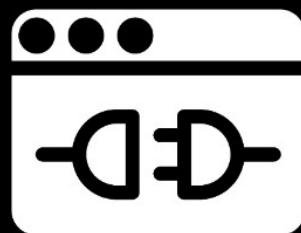
# FastAPI vs concorrenti

FastAPI: async API framework nativo

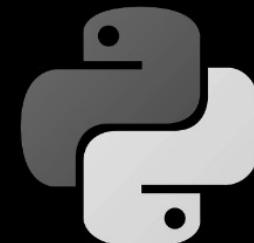




# Macro programma del corso



First API



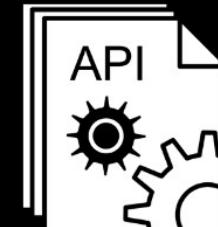
Language features



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

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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.