



Python Biella Group

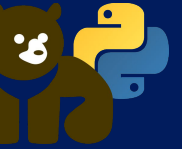
FastAPI framework

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

a cura di: **Andrea e Mario**

Perche' FastAPI

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



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

<https://web-frameworks-benchmark.netlify.app/compare?f=fastapi,express,laravel-s-laravel,flask>

Veloce nello sviluppo: produttivita' 2-3 volte superiore a Flask/Django; validazione automatica dei dati, documentazione "automatica"

Basata su standards open: JSON schema / Open API

Meno bugs

Intuitivo e facile da imparare

Sintetico: meno codice

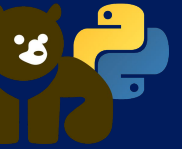
Documentazione standard: API con Swagger/Redocs

Robusto: pronto per la Produzione (usato anche da aziende famose come Netflix, Twitter, Microsoft, ...)

Supporto a VSCode

Perche' FastAPI

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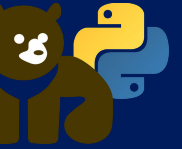
Security Standard Authentication:

- HTTP Basic
- OAuth2 (anche con token JWT)
- API Keys

Ha dei plugins che estendono il funzionamento della libreria (anche se le funzionalità base sono più che sufficienti per un uso enterprise)

Sistema di controllo per Dependency Injection

Facile costruire dei test



Modern Python

Type hints: usati per conversioni, validazioni e doc

Nativamente async/await

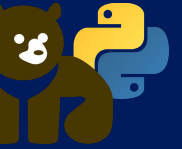
ASGI servers

Data classes / Pydantic classes

OpenAPI documentazione automatica

Facile integrazione con pytest

Supporto per gli editor famosi: VSCode e PyCharm



FastAPI vs concurrenti

FastAPI: async API framework nativo

☆ Star 35.8k

django

☆ 54K



☆ 3K



Flask

web development,
one drop at a time

☆ 53K

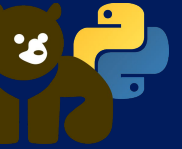


☆ 20K



☆ 6K

La “storia” di FastAPI



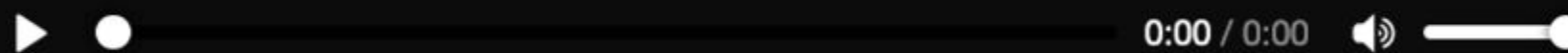
PODCASTs

<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.



iTunes

Google

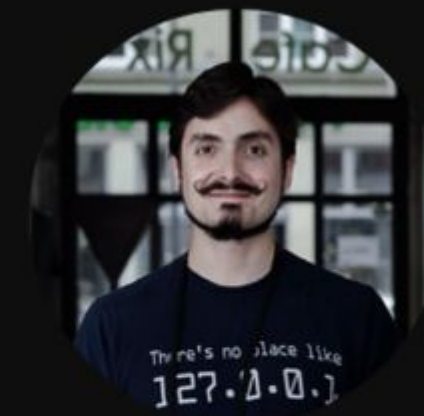
MP3

Transcript

Embed



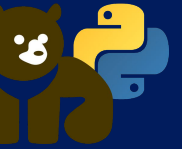
This episode is **carbon neutral**.



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.

FastAPI Stack



Serie di metodi, tools, patterns e componenti che sono compatibili e complementari e consentono di definire una soluzione software.

FARP Stack



FARM Stack



Other Tools

