



TypeScript with , type integrity, and exceptional developer experience. Supercharged by Bun.

[Get Started](#)`bun create elysia app`

See why developers love Elysia ↓

the most production-ready,
and most loved Bun framework

Our Principle

Our goal is to design an ergonomic, sensible, and productive framework that even beginners can use easily

Designed to avoid unnecessary complexity and type complexity for you to focus on building

A framework that feels

```
import { Elysia, file } from 'elysia'

new Elysia()
  .get('/', 'Hello World')
  .get('/image', file('mika.webp'))
  .get('/stream', function* () {
    yield 'Hello'
    yield 'World'
  })
  .ws('/realtime', {
    message(ws, message) {
      ws.send('got:' + message)
    }
  })
  .listen(3000)
```

📦 Just return

A string, number, or complex JSON
All we need to do is return

☁️ Stream response

Use `yield` to stream a response
All we need to do is return

↗️ File support built-in

To send a file or image, just return
Nothing more or less

⚡ Data in real-time

With µWebSocket built-in
Send live data in just 3 lines

```
params: {
  id: string;
}
```

accept
age
allow
authorization

I of

name: string | undefined

```
○ ○ ○  
import { Elysia } from 'elysia'  
  
new Elysia()  
  .get('/id/:id', ({ params, set }) => {  
  
    set.headers.a  
  
    return 'Su'  
  })  
  
.get('/optional/:name?', ({ params: { name } }) => {  
  return name ?? 'Pardofelis'  
})  
.listen(3000)
```

[Type Inference](#)[Enforce Type](#)[Return Type](#)[Bring your own](#)

Your own documentation

It's not magic

With deep integration with OpenAPI schema

Elysia can generate Swagger documentation for your API
out of the box



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[Download OpenAPI Document](#)

Development documentation

BASE URL
http://localhost:3001

CLIENT LIBRARIES
Shell Ruby Node.js PHP Python ... More
cURL Shell

`const data: {
 age: number;
} | null`

/editor/character

Body application/json ▾

name **Required** string

introduction **Required** string

image ANYOF
+ Show Child Attributes
+ Show Child Attributes

instruction **Required** string

greeting **Required** string

PUT /editor/character Shell cURL ▾

```
1 curl --request PUT \
```

```
import { Elysia } from 'elysia'
import swagger from '@elysiajs/swagger'

new Elysia()
  .use(swagger())
  .use(character)
  .use(auth)
  .listen(3000)
```



♡ For DevOps

♡ For Frontend

your services on regardless of the platform.

between frontend and backend is type-checked at compile time.

	Bun	2,454,631 reqs/s
faster than	Gin Go	676,019
Express	Spring Java	506,087
	Fastify Node	415,600
	Express Node	113,117
	Nest Node	105,064
faster than Fastify	Measured in requests/second. Result from TechEmpower Benchmark Round 22 (2023-10-17) in PlainText	

Test with

Type safe with



Elysia provides a type-safe layer to interact with and test your server, from routes to parameters.

With auto-completion, you can easily write tests for the server without any hassle.

```
import { treaty } from '@elysiajs/eden'
import { app } from './index'
import { test, expect } from 'bun:test'

const server = treaty(app)

test('should handle duplicated user', async () => {
  const { error } = await server.user.put({
```

```

        username: 'mika',
    })

expect(error?.value).toEqual({
    success: false,
    message: 'Username already taken'
})
}
)

```

Powered by from the



Aqueel
@AqueelMiq

Jeffuel on bun at X! @shlomiatar who built the framework has an eye for picking the right tools for the job.



Jarred Sumner
@jarredsumner

You can use Express with Bun, but often we see people using Elysia, Hono, or Bun.serve() directly.



José Donato 🦋
@josedonato__

handling tables with ~350k rows like it's nothing.

Working on allowing @ag_grid server side row model when connecting a custom backend to @openbb_finance Terminal Pro.

Backend in @elysiaJS + @bunjsproject.



Shlomi Atar
@shlomiatar

also a shoutout to @saltyAom and the phenomenal Elysia js that is powering our server driven UI. Incredible work.



Runyasak Ch. ❤️
@runyasak

Started using @elysiaJS to create a Discord Bot and found the type system beautifully easy. DX is fantastic and coding is fun!



pilcrowonpaper
@pilcrow

Just in time for Bun 1.0 - Lucia 2.5 now supports @elysiajs out of the box!! You can also use Bun.serve() directly as well. This release also comes with 2 new OAuth providers, Strava and AWS Cognito!



htmx.org
@htmx_org

htmx works great w/ @bunjavascript, @elysiaJS and @tursodatabase btw



Marc Laventure
@MarcLaventure

ElysiaJS has proved to me that great performance and DX can live together. 😊

we proudly sponsor dozens of projects: @elysiaJS @LitestarAPI @honojs @daveshanley @kevin_jahns @MarijnJH & help maintain repos+contribute to OSS at blistering cadence.

it's @scalar's ethos to be a catalyst for OSS

Was introduced to @elysiaJS today and it looks pretty solid. end-to-end type safety/guard/swapper are killer features of the modern web! (and it's fast)



[scalar.com](#)
@scalar

so excited to be part of the amazing @elysiaJS community!

I've been playing a bit with @bunjavascript and @elysiaJS, need to do a few more tweaks before the release, but next version should work more natively with bun when it comes to TS support detection, e.g. the CLI works without ts-node installed.

Elysia is **not owned by an organization**, but is driven by the community.
Elysia development is only possible thanks to your support.

Become a sponsor



San Francisco Compute Company for 7 months



Scalar for a year



Jarred Sumner for a year



_typedev for a year



DOM CHAROENYOS for a year



Naoki Takahashi for a year



PandoSoft for 5 months



Christian Rishøj for a year



Khyber Sen for a year



MeCode for a year



yoismee for a year



RiestelX for 9 months



Huly® Platform™ for 6 months



Vallaris Maps Platforms for 6 months



Firat Özcan for 5 months



Speakeasy for 4 months



Florent Drouset for 2 months



TranspaClean for 21 days



Thanatat Tamtan for 3 years



Ronald Dijks for a year

gabriel-peracio for 7 months	Vorrapong Kertnat for 2 years	Jittat Fakcharoenphol for 2 years	[object Object] for 2 years	Louis Gentil for a year	David L. Bowman for a year	stanley for a year	Nemanja for a year	.freddie for a year	Kira Kitsune for a year
									
Ricardo Devis Agullo for a year	4ndrs for a year	drsmile1001 for 10 months	Merlinz-dev for 7 months	OxYok for 7 months	Jason Dubaniewicz for 6 months	Martini for 6 months	Samir Bioud for 5 months	Hadrian de Oliveira for 4 months	Terrance Niechciol for 2 months
									
Akenarin Komkoon for a month	Freek for 7 months	Nutthapat Pongtanyavichai for 3 years	Manassarn "Noom" Manoonchai for 3 years	Phawit Pornwattanakul for 3 years	First Sutham for a year	Diego Ordoñez for a year	Dominik Seger for a year	Marcello for a year	Hassadee Pimsuwan for a year
									
Nayuki for a year	白田 連大 for a year	Kyle for 10 months	suchai- foundnerds for 10 months	Chanon Mee- lam for 10 months	Surachet Sangasaeng for 9 months	Nathan Chapman for 9 months	Sunghyun Cho for 8 months	Yuzuki Aida for 8 months	TAKZOBYE for 7 months
									
S. Srisuk for 7 months	I2D for 7 months	Nopdanai Dejvorakul (孙贤德) for 7 months	Alan Reis for 7 months	Piti Pitiaunchamroen for 7 months	Sergen Tanguc for 6 months	Yuzu for 5 months	hadth-rook for 4 months	arda662 for 4 months	MikanDev for 4 months
									
Laurensius Jeffrey for 2 months	Maxi for 2 months	Max Levchuk for a month	G. for 5 days		And you				

Only the bold

For builders, inventors, and visionaries

We spent years studying the strengths and weaknesses of JavaScript frameworks, all to deliver an exceptional experience

At the speed of light

Up to 21x faster than Express

Supercharged by Bun,
Elysia is one of top performing JavaScript frameworks

Maximum Type Safety

Dynamic type safety

Built from type to runtime
Elysia learns from your codebase, adapts, and enforces your types

Productive in a reach

The best experience of today

Ergonomically designed for humans, prioritizing DX.
No technical nonsense

These are the pillars we built Elysia upon,
to deliver the best experience yet

Build the future,

[Get started](#)

[Tutorial](#)



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