

# API

August 18, 2026

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## API

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**Kind:** Module

**Source:** Pams/API (line 1)

**Part of:** Pams

.NET project in solution

The API module is the .NET project in the Pams solution. It hosts server-side API functionality and serves as the integration boundary between clients and application services.

## Diagram

```
graph TD
    Client[Client Application] --> API[Pams/API .NET Project]
    API --> Services[Application Services]
    Services --> Data[Data Storage]
```

## Usage

```
const apiUrl = "https://example.test";

async function callApi(path: string, options: RequestInit = {}) {
    const response = await fetch(`${apiUrl}${path}`, {
        headers: {
            "Content-Type": "application/json",
            ...options.headers,
        },
        ...options,
    });

    if (!response.ok) {
        throw new Error(`API request failed: ${response.status}`);
    }
}
```

```
    return response.json();  
  }  
  
  const result = await callApi("/api/resource");  
  console.log(result);
```

## AI Coding Instructions

- Keep HTTP endpoint handling in the API project and delegate business rules to application services.
- Match existing solution conventions for routing, dependency injection, configuration, and error responses.
- Avoid placing client-specific behavior in API controllers or endpoint handlers.
- Validate request input before passing it to application services.

## Used by

1 reference from 1 file. Each is a place in this repository where the symbol is actually used — go read one rather than trusting an example.

## Declared in (1)

- Pams — Pams/Pams.sln :1