

AutoMapper

August 18, 2026

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Kind: Service

Source: Pams/Logic/Pams.Business/Pams.Business.csproj (line 1)

Part of: Pams

NuGet package dependency

AutoMapper is a NuGet dependency declared in Pams.Business.csproj that maps between business-layer objects and DTOs. Business services configure mapping profiles and use an injected mapper to convert data before it crosses application boundaries.

Diagram

```
sequenceDiagram
    participant Client
    participant BusinessService
    participant Mapper as AutoMapper
    participant Repository

    Client->>BusinessService: Request data
    BusinessService->>Repository: Load domain entity
    Repository-->>BusinessService: Domain entity
    BusinessService->>Mapper: Map entity to DTO
    Mapper-->>BusinessService: DTO
    BusinessService-->>Client: Return DTO
```

Usage

```
type PamsRecordDto = {
    id: string;
    name: string;
};
```

```

async function getPamsRecord(id: string): Promise<PamsRecordDto> {
    const response = await fetch(`/api/pams-records/${id}`);

    if (!response.ok) {
        throw new Error("Unable to load PAMS record");
    }

    // The API response is mapped from a business entity to this DTO by AutoMapper.
    return response.json();
}

const record = await getPamsRecord("record-id");
console.log(record.name);

```

AI Coding Instructions

- Keep AutoMapper configuration in mapping profiles owned by the business layer.
- Map domain entities to DTOs at service or API boundaries rather than exposing entities directly.
- Update mapping profiles when DTO or entity properties change.
- Check mappings for nested objects, nullable values, and property names that do not match.

Used by

3 references from 3 files. Each is a place in this repository where the symbol is actually used — go read one rather than trusting an example.

Injected or called by (3)

- Pams.API — Pams/API/Pams.API/Pams.API.csproj :1
- Pams.Data — Pams/Data/Pams.Data/Pams.Data.csproj :1
- Pams.Business — Pams/Logic/Pams.Business/Pams.Business.csproj :1