

System.Net.Http

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Kind: Service

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

Part of: Pams

NuGet package dependency

`System.Net.Http` is a NuGet package dependency declared by the `Pams.CurrencyConverter` project. It enables the service to send HTTP requests to external currency-rate sources and process their responses.

Diagram

```
sequenceDiagram
    participant Converter as Pams.CurrencyConverter
    participant Http as System.Net.Http
    participant Rates as External Rate API

    Converter->>Http: Create HTTP request
    Http->>Rates: Send request
    Rates-->>Http: Return rate response
    Http-->>Converter: Return response content
```

Usage

```
const baseUrl = process.env.CURRENCY_CONVERTER_URL;

async function convertCurrency(
    amount: number,
    fromCurrency: string,
    toCurrency: string,
) {
    const response = await fetch(`${baseUrl}/convert`, {
        method: "POST",
```

```

headers: {
    "Content-Type": "application/json",
},
body: JSON.stringify({
    amount,
    fromCurrency,
    toCurrency,
}),
});

if (!response.ok) {
    throw new Error("Currency conversion request failed");
}

return response.json();
}

```

AI Coding Instructions

- Keep HTTP request creation and response handling inside the currency converter service boundary.
- Handle non-success HTTP responses before reading conversion data.
- Keep external rate-provider URLs and credentials in configuration rather than source code.
- Avoid exposing `System.Net.Http` response types through application-facing contracts.

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)

- `HelperTool` — `Pams/HelperTool/HelperTool.csproj :1`
- `Pams.Business` — `Pams/Logic/Pams.Business/Pams.Business.csproj :1`
- `Pams.CurrencyConverter` — `Pams/Logic/Pams.CurrencyConverter/Pams.CurrencyConverter.csproj :1`