

DocumentFormat.OpenXml

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DocumentFormat.OpenXml

Kind: Service

Source: Pams/HelperTool/HelperTool.csproj (line 1)

Part of: Pams

NuGet package dependency

`DocumentFormat.OpenXml` is a NuGet package dependency declared in `Pams/HelperTool/HelperTool.csproj`. HelperTool uses the package from .NET code to read, create, or update Open XML document packages such as Office files.

Diagram

```
sequenceDiagram
    participant Caller
    participant HelperTool
    participant OpenXml as DocumentFormat.OpenXml
    participant Document

    Caller->>HelperTool: Start document operation
    HelperTool->>OpenXml: Open document package
    OpenXml->>Document: Read or write document parts
    Document-->>OpenXml: Return package content
    OpenXml-->>HelperTool: Return document result
    HelperTool-->>Caller: Complete operation
```

Usage

```
import { spawn } from "node:child_process";

function runHelperTool(documentPath: string): Promise<void> {
    return new Promise((resolve, reject) => {
        const process = spawn(
            "dotnet",
```

```

[
  "run",
  "--project",
  "Pams/HelperTool/HelperTool.csproj",
  "--",
  documentPath,
],
{ stdio: "inherit" },
);

process.on("error", reject);
process.on("exit", (code) => {
  if (code === 0) {
    resolve();
  } else {
    reject(new Error(`HelperTool exited with code ${code}`));
  }
});
});
}

await runHelperTool("input.docx");

```

AI Coding Instructions

- Keep `DocumentFormat.OpenXml` referenced through `Pams/HelperTool/HelperTool.csproj`.
- Write Open XML document handling in the .NET HelperTool code; TypeScript callers should start the HelperTool process instead of importing the NuGet assembly.
- Close document packages and streams after read or write operations so file handles are released.
- Preserve document parts that the operation does not modify, including relationships and package metadata.

Used by

2 references from 2 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 (2)

- `Pams.API` — `Pams/API/Pams.API/Pams.API.csproj :1`
- `HelperTool` — `Pams/HelperTool/HelperTool.csproj :1`