

DocumentFormat.OpenXml

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DocumentFormat.OpenXml

Kind: Service

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

Part of: Pams

NuGet package dependency

`DocumentFormat.OpenXml` is a NuGet package dependency in the Pams API project for reading and writing Office Open XML document formats. The API uses it when processing legacy-format document files such as spreadsheets, word-processing documents, and presentations.

Diagram

```
sequenceDiagram
    participant Client
    participant PamsAPI as Pams API
    participant OpenXml as DocumentFormat.OpenXml
    participant Document as Office Document

    Client->>PamsAPI: Upload or request document processing
    PamsAPI->>OpenXml: Open, read, or create document
    OpenXml->>Document: Parse or write Open XML content
    Document-->>OpenXml: Document data
    OpenXml-->>PamsAPI: Processed document result
    PamsAPI-->>Client: Return response or document file
```

Usage

```
async function downloadProcessedDocument(documentId: string) {
    const response = await fetch(`/api/documents/${documentId}/export`, {
        method: "POST",
        headers: {
            Accept: "application/vnd.openxmlformats-officedocument.wordprocessingml.document",
```

```
    },
  });

  if (!response.ok) {
    throw new Error("Document export failed");
  }

  const file = await response.blob();
  const url = URL.createObjectURL(file);

  window.open(url, "_blank");
}
```

AI Coding Instructions

- Keep `DocumentFormat.OpenXml` references in the Pams API project; browser code should call API endpoints instead of processing Open XML files directly.
- Dispose document streams and Open XML document instances after reading or writing files.
- Validate uploaded document types before passing streams to Open XML processing code.
- Preserve existing document parts and relationships when editing files to avoid corrupting legacy-format documents.