

Microsoft.CSharp

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Kind: Service

Source: Pams/Core/Pams.Security/Pams.Security.csproj (line 1)

Part of: Pams

NuGet package dependency

Microsoft.CSharp is a NuGet package dependency declared by Pams.Security.csproj . It supplies C# runtime binding support for Pams.Security code that performs dynamic C# operations. The dependency is managed through the project's legacy package and reference format.

Diagram

```
sequenceDiagram
    participant Project as Pams.Security.csproj
    participant NuGet as NuGet Restore
    participant Package as Microsoft.CSharp
    participant Binder as C# Runtime Binder

    Project->>NuGet: Restore package dependency
    NuGet->>Package: Resolve Microsoft.CSharp
    Package-->>Project: Add assembly reference
    Project->>Binder: Execute dynamic C# operation
    Binder-->>Project: Return bound operation result
```

Usage

```
import { readFile } from "node:fs/promises";

const projectFile = "Pams/Core/Pams.Security/Pams.Security.csproj";
const projectXml = await readFile(projectFile, "utf8");

const hasMicrosoftCSharp = /Microsoft\.CSharp/.test(projectXml);
```

```
if (!hasMicrosoftCSharp) {  
    throw new Error(  
        "Microsoft.CSharp is not declared in Pams.Security.csproj."  
    );  
}  
  
console.log("Microsoft.CSharp dependency is declared.");
```

AI Coding Instructions

- Keep the `Microsoft.CSharp` dependency aligned with the legacy package or assembly reference style already used by `Pams.Security.csproj`.
- Check whether dynamic C# usage requires this dependency before removing or changing its reference.
- Restore NuGet packages after editing `Pams.Security.csproj` so the `Microsoft.CSharp` assembly is available during builds.
- Avoid adding JavaScript or TypeScript package references for this dependency; it is consumed by the .NET project.