

Microsoft.Identity.Client

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Kind: Service

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

Part of: Pams

NuGet package dependency

Microsoft.Identity.Client is a NuGet package referenced by Pams.API.Core.csproj for Microsoft identity authentication flows. The API Core project uses it to acquire tokens and authenticate calls to Microsoft-protected resources.

Diagram

```
sequenceDiagram
    participant Client as TypeScript Client
    participant API as Pams API Core
    participant MSAL as Microsoft.Identity.Client
    participant Identity as Microsoft Identity Platform

    Client->>API: Send authenticated request
    API->>MSAL: Acquire access token
    MSAL->>Identity: Request token
    Identity-->>MSAL: Return access token
    MSAL-->>API: Return access token
    API-->>Client: Return API response
```

Usage

```
async function getProtectedData(accessToken: string) {
    const response = await fetch("/api/protected-data", {
        headers: {
            Authorization: `Bearer ${accessToken}`,
        },
    });
};
```

```
if (!response.ok) {  
    throw new Error("Protected API request failed");  
}  
  
return response.json();  
}
```

AI Coding Instructions

- Keep `Microsoft.Identity.Client` configuration and token acquisition inside the .NET API layer; TypeScript clients should send bearer tokens to API endpoints.
- Read identity configuration values from application configuration or environment variables rather than hard-coding tenant, client, or secret values.
- Request access tokens only for the scopes required by the downstream Microsoft resource.
- Handle token acquisition failures without returning identity-provider error details to API clients.

Used by

1 reference from 1 file. 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 (1)

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