

Setting Up a BFF with OAuth2 and OpenID Connect



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Backend Technology

ASP.NET Core

Many other platforms

Concepts should be similar



<https://4sh.nl/angularcode>

Steps Before Running

Install .NET SDK

- <https://4sh.nl/dotnet>

Install/update node.js

- <https://nodejs.org>

Install npm packages



How to Create a BFF

**Using Duende BFF (for ASP.NET Core)
in the example code**

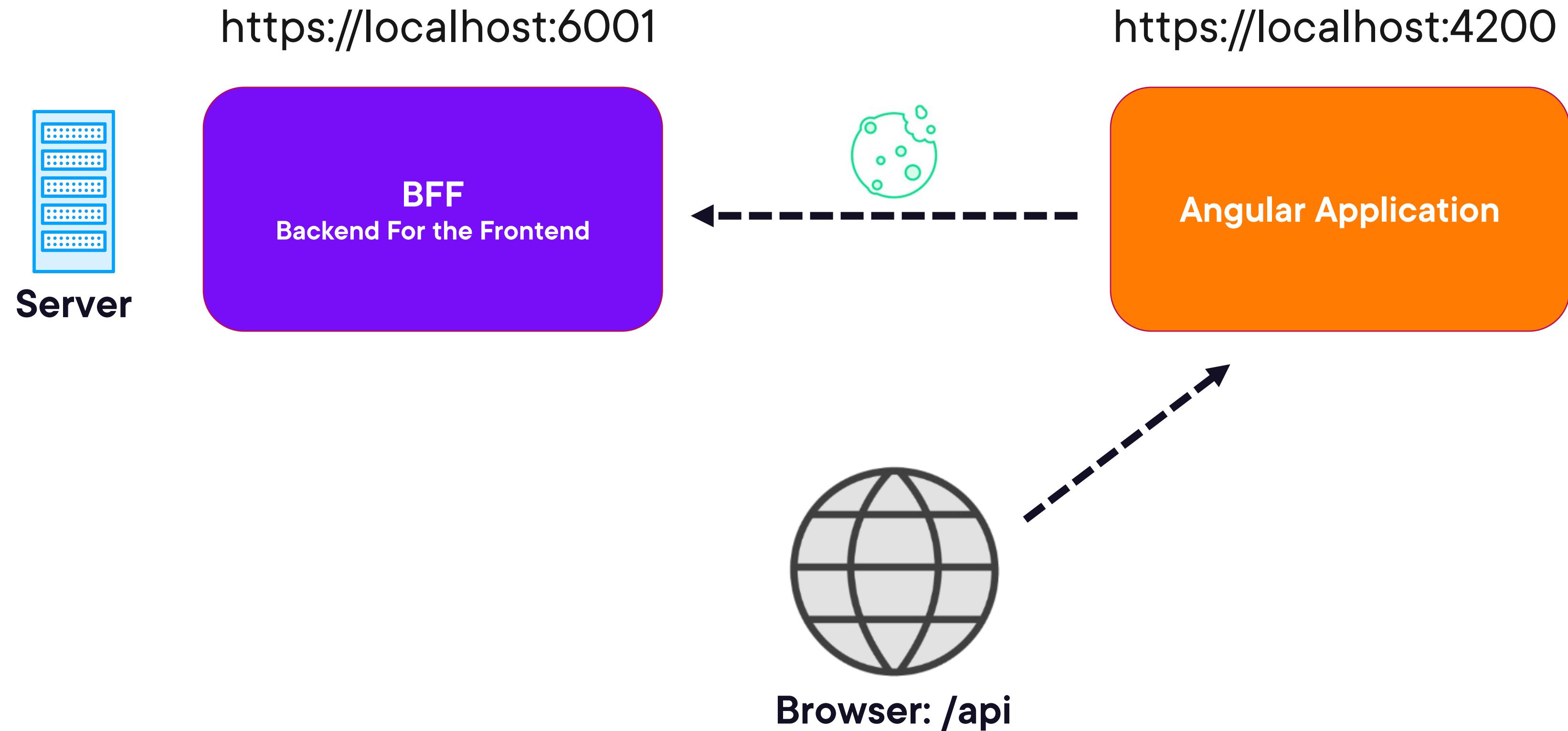
Other libraries on other platforms available

Writing your own is an option

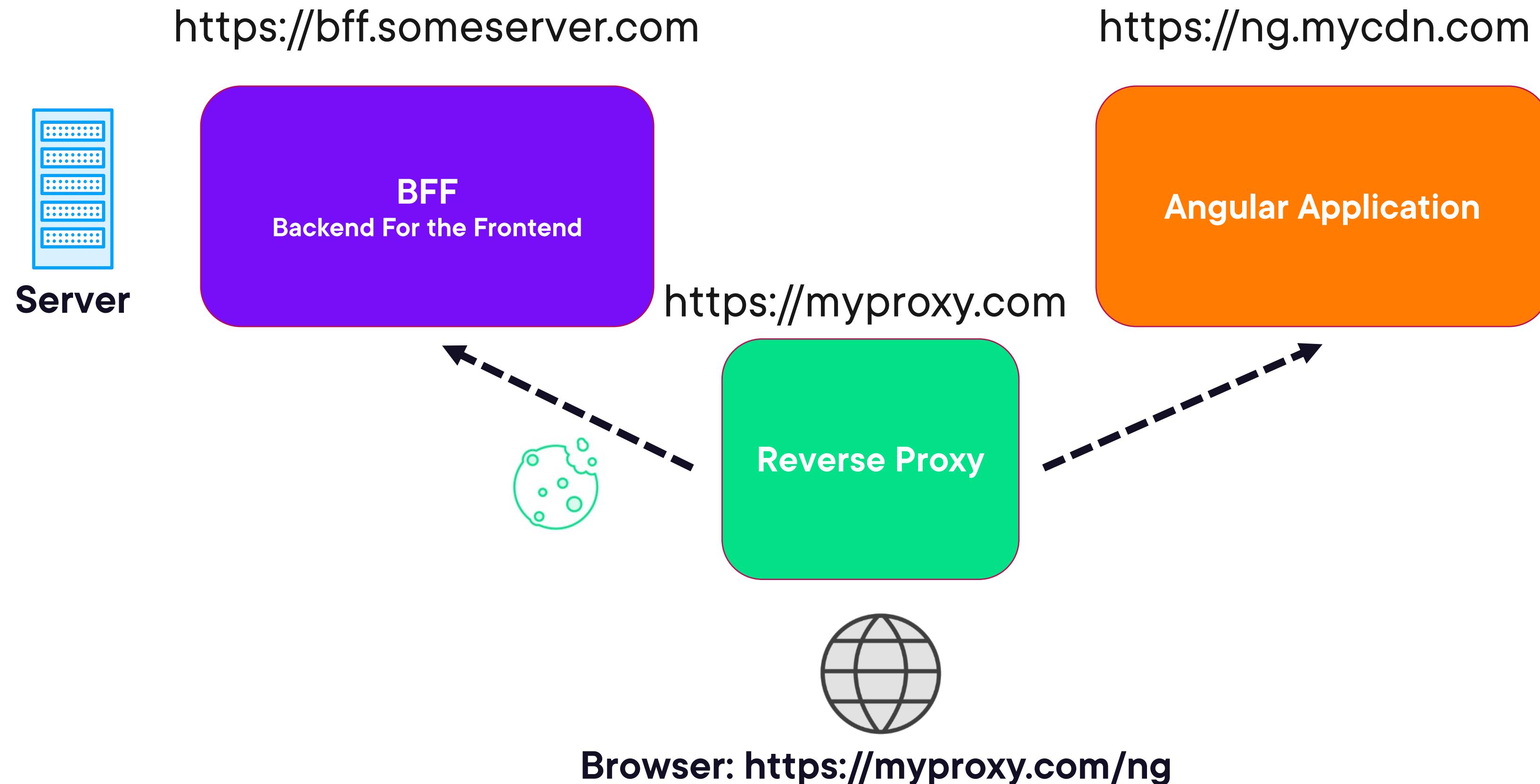


<https://4sh.nl/strictcookie>

Angular's Reverse Proxy



SameSite Cookies with Reverse Proxy



Sending a Custom HTTP Header

Any custom header will trigger a CORS preflight request

Attackers are required to send the header, rejecting the request before it is made

Extra CSRF protection on top of SameSite cookies



Moving to OpenID Connect

No need from a security standpoint
But centralized authentication preferable
Ability to access external APIs



Authentication and Authorization in Angular



Token Management

- Access token has limited lifetime**
- Refresh token can be requested with the `offline_access` scope**
- BFF library will automatically refresh if needed**
- Alternative: call token endpoint manually**



Up Next:

Authorization with Route Guards and Conditional Rendering

