SECURE OPEN ID CONNECT IMPLEMENTATION USING AZURE ACTIVE DIRECTORY AND ASP .NET FRAMEWORK

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ABSTRACT. In this manuscript secure Open ID Connect implementation using Azure is discussed.

Contents

1.	Introduction	1
2.	Statement of the problem	2
3.	Authentication flow	2
4.	Refresh token flow	3
5.	Conclusions	3
6.	Acknowledgements	3
Rei	ferences	3

1. Introduction

Your introduction here. Include some references [1, 2, 3, 4]. Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more

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recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

OAuth 2.0 flow diagram

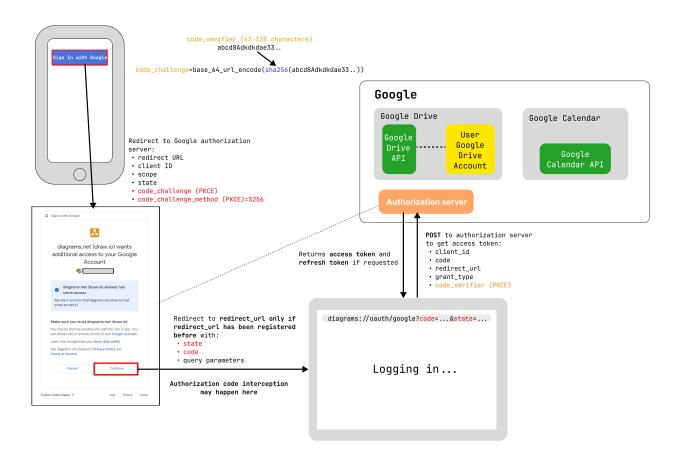


Figure 1. OAuth 2.0 with PKCE flow diagram.

2. Statement of the problem

3. Authentication flow

Authentication flow diagram

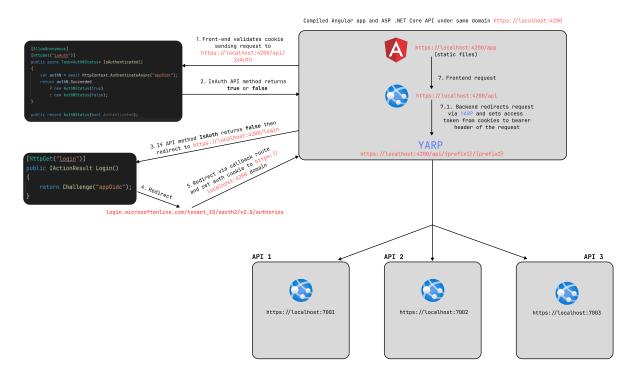


Figure 2. Authentication flow diagram.

4. Refresh token flow

5. Conclusions

Conclusions of your manuscript.

6. Acknowledgements

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REFERENCES

- [1] Mohd Shadab Siddiqui and Deepanker Verma. Cross site request forgery: A common web application weakness. In 2011 IEEE 3rd International Conference on Communication Software and Networks, pages 538–543. IEEE, 2011.
- [2] Kevin Spett. Cross-site scripting. SPI Labs, 1(1):20, 2005.
- [3] J Bradley and N Agarwal. Rfc 7636: Proof key for code exchange by oauth public clients, 2015.
- [4] Dick Hardt. The oauth 2.0 authorization framework. Technical report, 2012.

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