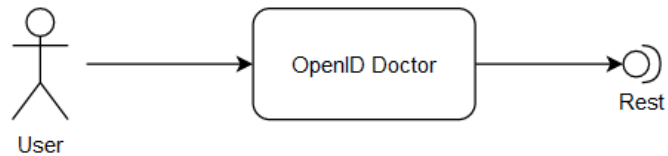


SOFTWARE ARCHITECTURE



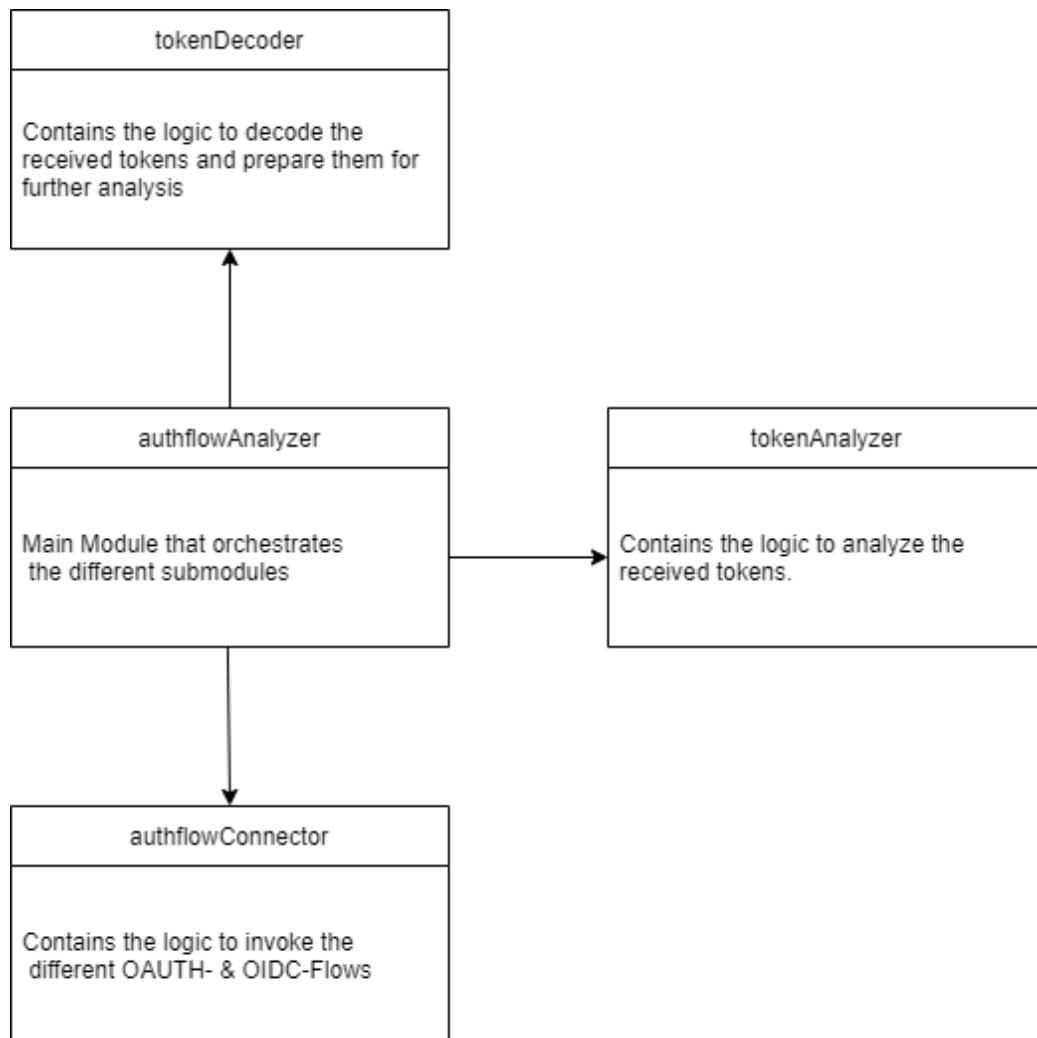
OPENID CONNECT DOCTOR PROJECT 8

1 Runtime Components



The OpenID Connect Doctor is a standalone CLI tool, that should be able to run on as many Operating Systems as possible. Furthermore, the application is required to work without the user having to install any additional programs. For this reason, it was decided, that the OpenID Connect Doctor should consist of only a single NodeJS application and use as few dependencies as possible. As the OpenID Connect Doctor must request tokens from an authorization server using OpenID Connect, it requires an interface to connect to a given authorization server using REST. To fully fulfill its task, the OpenID Connect Doctor is split into multiple smaller internal components, which carry out different tasks like requesting a token, decoding a token, etc.

2 Code Components



3 Technology Stack

Type	Programming Language		
Name	Description	Version	License
NodeJS	Programming Language used to implement the application	16.15.0	MIT License

Type	Package Manager		
Name	Description	Version	License
npm	Package Manager is used in combination with the Programming Language to potentially add additional libraries to create the application	8.5.5	Artistic License 2.0

Type	Version Control		
Name	Description	Version	License
Git	Version Control employed to synchronize code with the developers	-	GPL-2.0-only