

# OAuth

**I DON'T ACTUALLY UNDERSTAND  
HOW OAUTH WORKS**

Me two days  
before the end  
of the sprint



**AND AT THIS POINT IM TOO  
AFRAID TO ASK**

1. The Theory of OAuth
2. REDACTED

# Auth in General

- Very important to get auth right!
- Don't want to make any mistakes. How do we do that? Make Azure, Google and trusted open-source libraries do as much as possible.
- Limit surface area of exposure. Don't pass tokens around more than necessary.

# What is OAuth 2.0?

- OAuth is a protocol for authorization
- Offload the tricky parts of auth to a trusted auth provider eg Azure AD, Google OAuth etc.
- Different OAuth providers' implementations may differ a little.

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Proposed Standard  
[IPR declarations](#)  
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## The OAuth 2.0 Authorization Framework

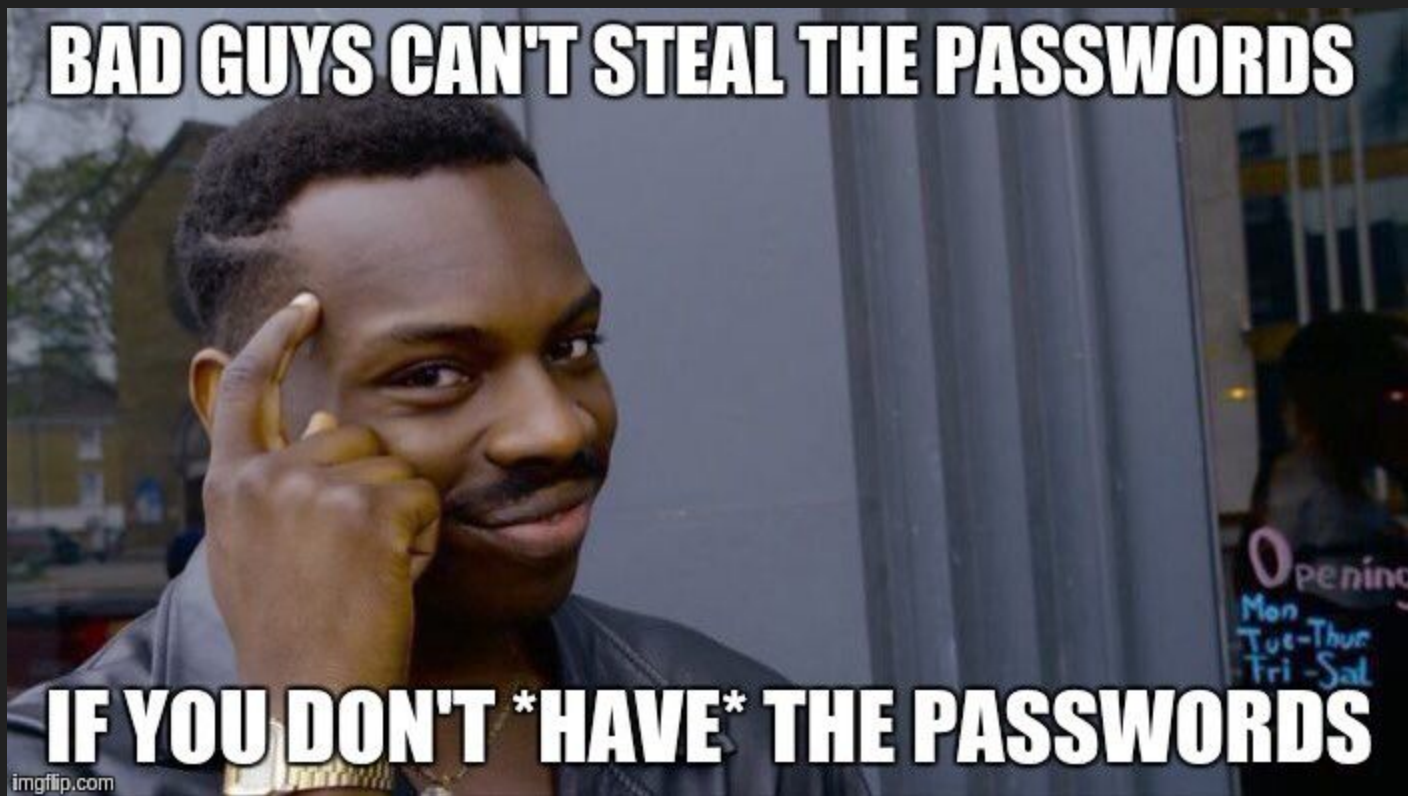
### Abstract

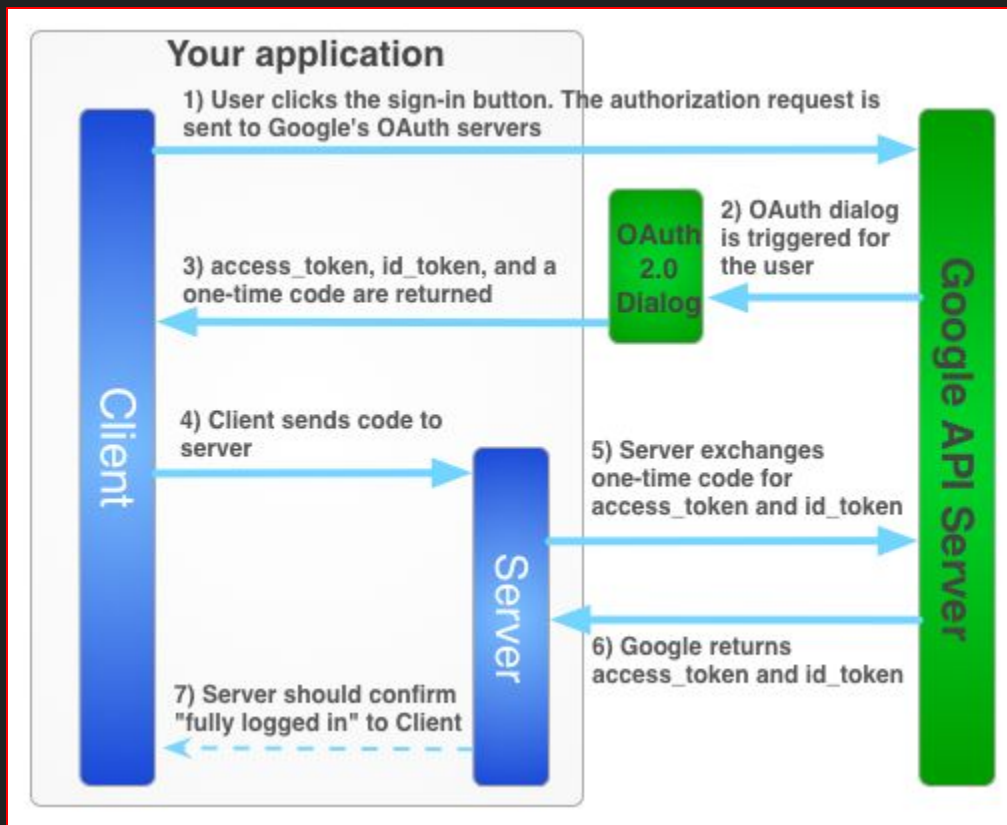
The OAuth 2.0 authorization framework enables a third-party application to obtain limited access to an HTTP service, either on behalf of a resource owner by orchestrating an approval interaction between the resource owner and the HTTP service, or by allowing the third-party application to obtain access on its own behalf. This specification replaces and obsoletes the OAuth 1.0 protocol described in [RFC 5849](#).

### Status of This Memo

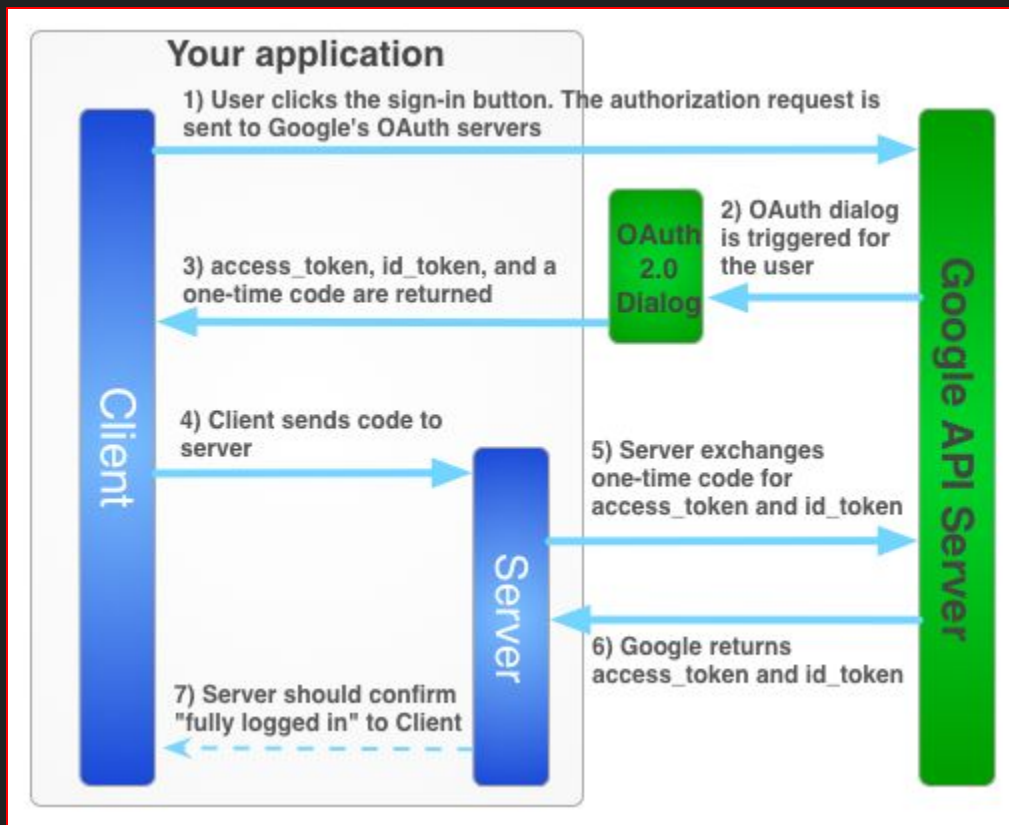
This is an Internet Standards Track document.

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- Diagram is from Google but principles apply to any OAuth provider eg Azure
- There are many different ways to implement/use OAuth depending on system architecture etc.
- Understanding what is going on in this diagram is key to understanding why/how our OAuth approach works, so it's quite important!



- Diagram is from Google but principles apply to any OAuth provider eg Azure
- Questions you might be asking:
  - What is the auth request in (1) ?
  - How does the OAuth dialog return the one-time code in (2) ?
  - What do we know about users who sign in with OAuth?
  - What does (7) mean?