

Securing Your API



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Coming Up



The authorization code flow with PKCE protection

Passing an access token to the API and validating it

Using access token claims

Including additional identity claims in an access token

Role-based authorization



The Authorization Code Flow + PKCE



Client application
(relying party)



IDP



create code_verifier

hash (SHA256)

code_challenge

authentication request + code_challenge

authorization endpoint

store code_challenge

user authenticates

(user gives consent)



code



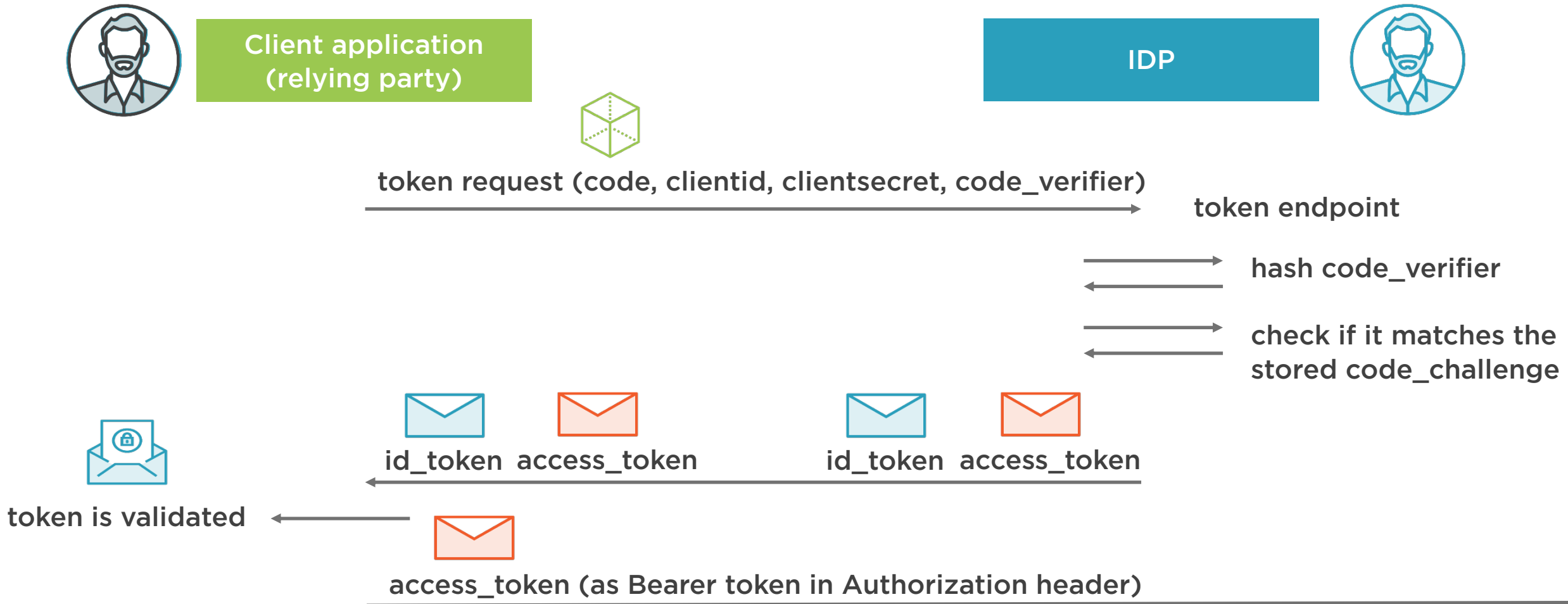
code

token request (code, clientid, clientsecret, code_verifier)

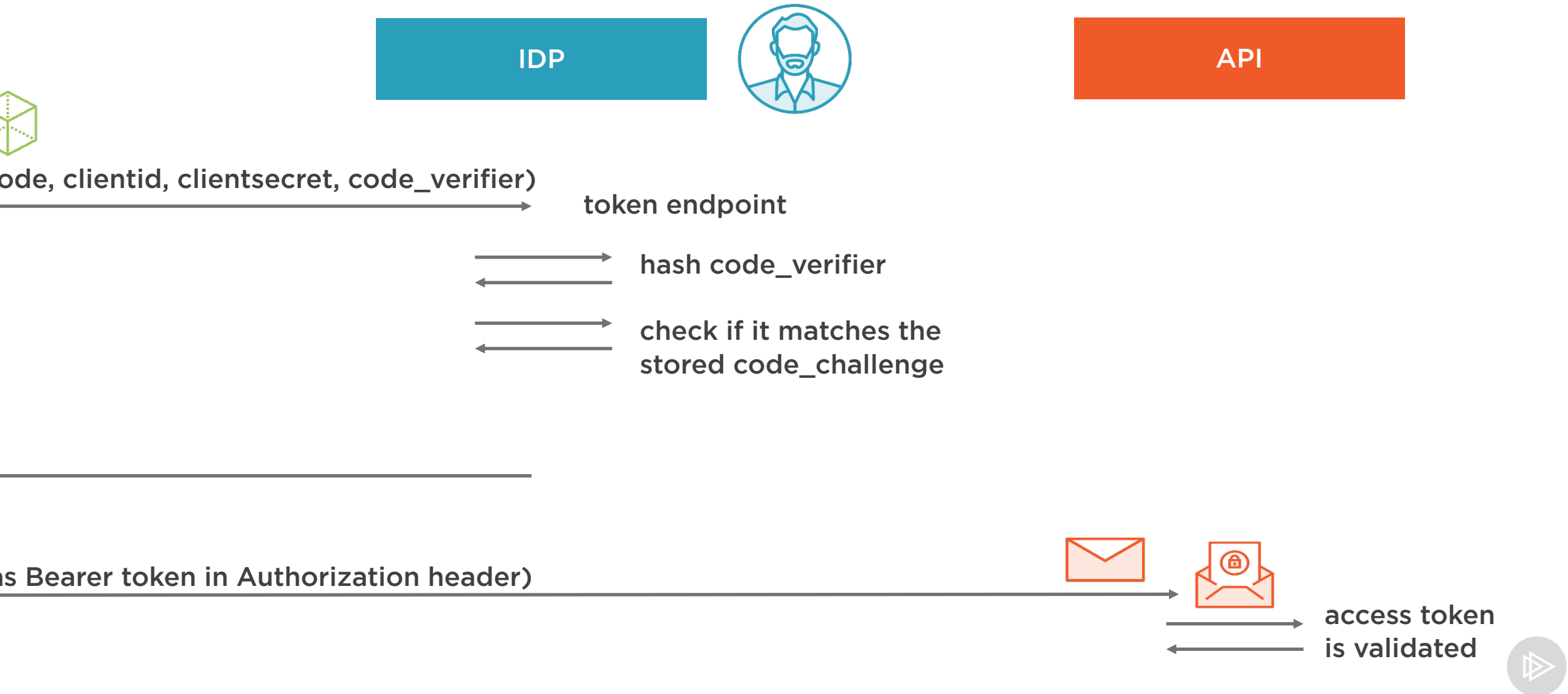
token endpoint



The Authorization Code Flow + PKCE



The Authorization Code Flow + PKCE



Demo



Securing access to our API



Demo



Passing an access token to our API



Demo



Showing an access denied page



Demo



Using access token claims when getting
a resource collection



Including Identity Claims in an Access Token

Sometimes an API needs access to identity claims

When defining a resource scope (API resource), include the required claims in the claims list



Demo



Including identity claims in an access token



Demo



Protecting the API when creating a resource (with roles)



Summary



Access tokens are passed to the API as Bearer tokens

AccessTokenValidation middleware can be used to validate an access token at level of the API

Summary



Configure the **ApiResource** to include additional identity claims in the access token

Role-based authorization is achievable through the **Authorize** attribute

