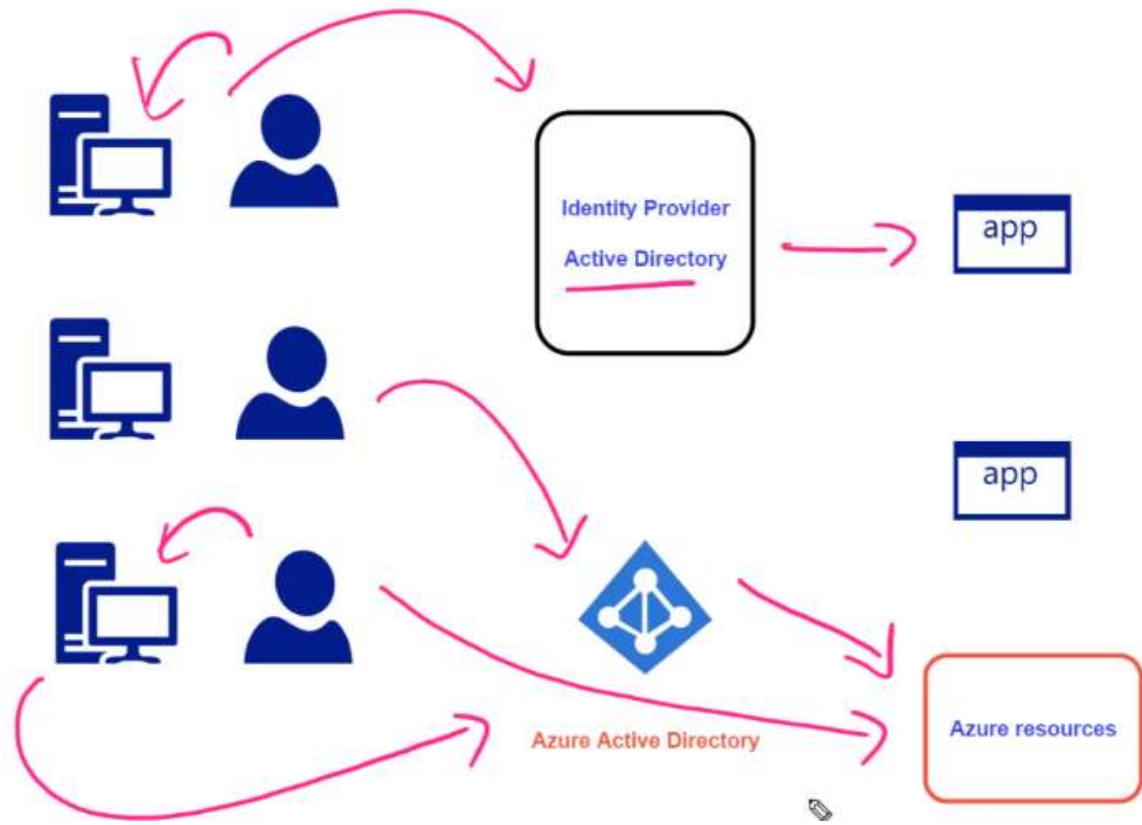


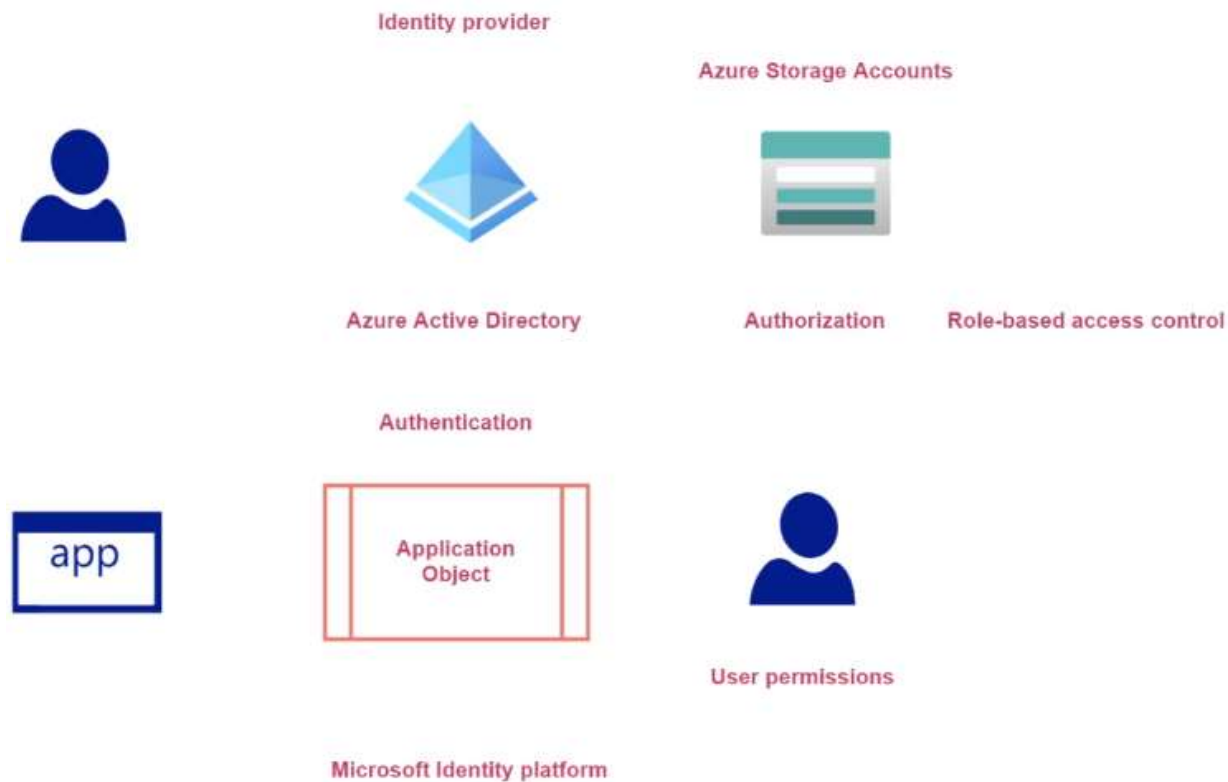
Implement Azure Security



RBAC



Introduction to Application Objects



The platform helps to build applications that users and customers can sign in using their Microsoft identities or social accounts

Authentication and Authorization

Authentication



The process of proving that you are
who you say you are

Authorization



Resource

Granting access to the authenticated user
to access the resource



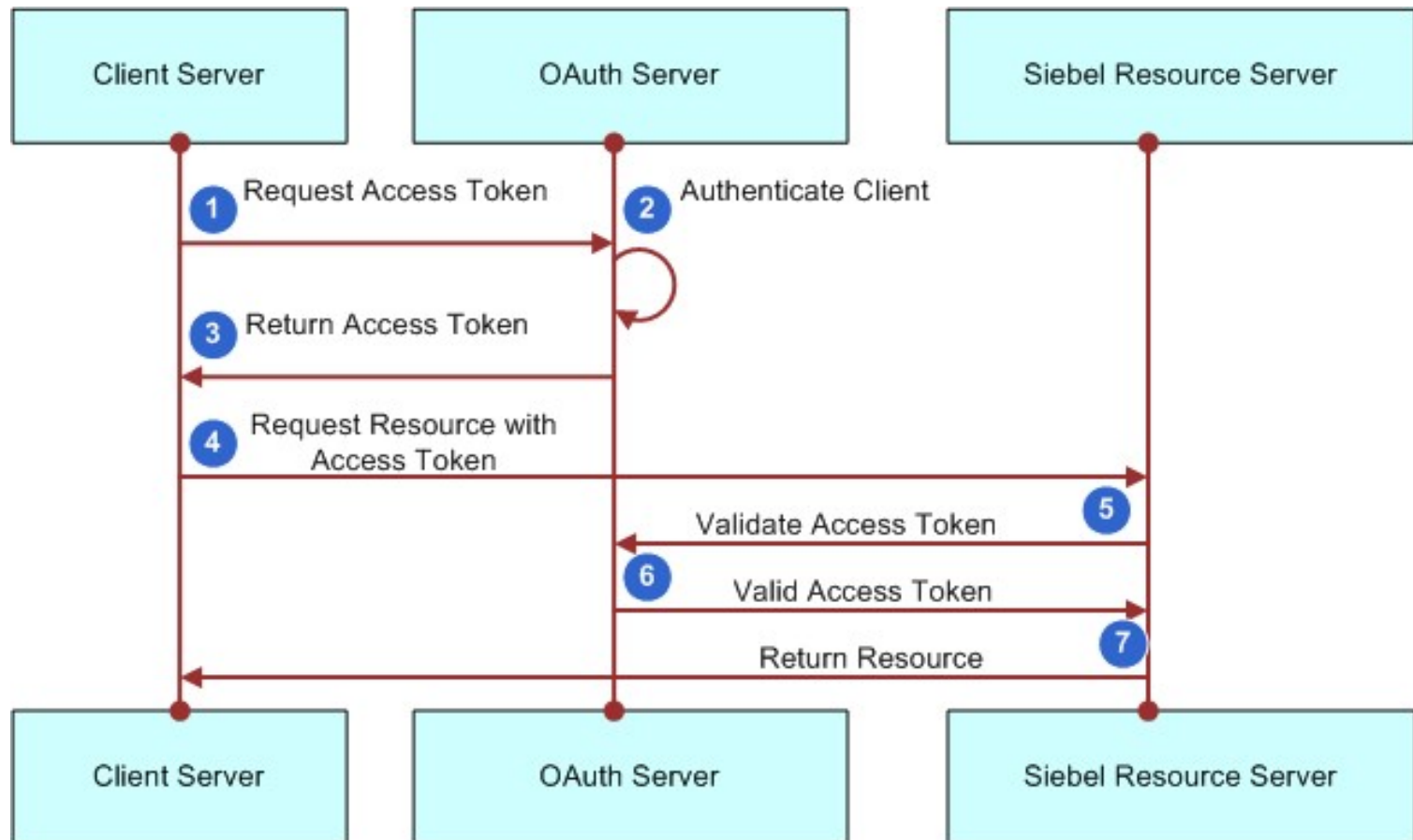
Azure Active Directory

Identity provider



Azure Storage Account

OAuth 2.0



Getting Access Token in ASP.Net Core Web App

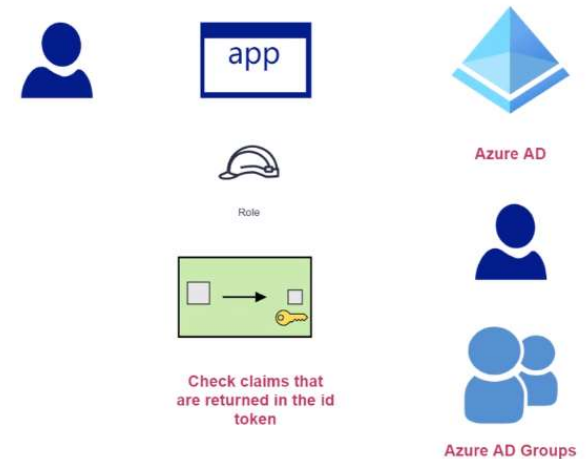
- Refer:
 - [252-using-access-token-for-blob-storage](#)

OAuth Review

- OAuth 2.0 Authorization
 - Standard Protocol for Authorization
 - It's about getting access token
 - Access token has all details about the user
- Open ID Connect
 - Layer built on OAuth 2.0
 - Allows the verification of identity of the user
- Different Grant Type
 - Client Credentials
 - Used to obtain an access token outside of the context of the user
 - Authorization Code flow
 - More secure
 - 2 Step Process
 - First step: Browser gets the authorization code from authorization server (On Browser)
 - Second Step: Exchange for an access token with authorization server (Backend)

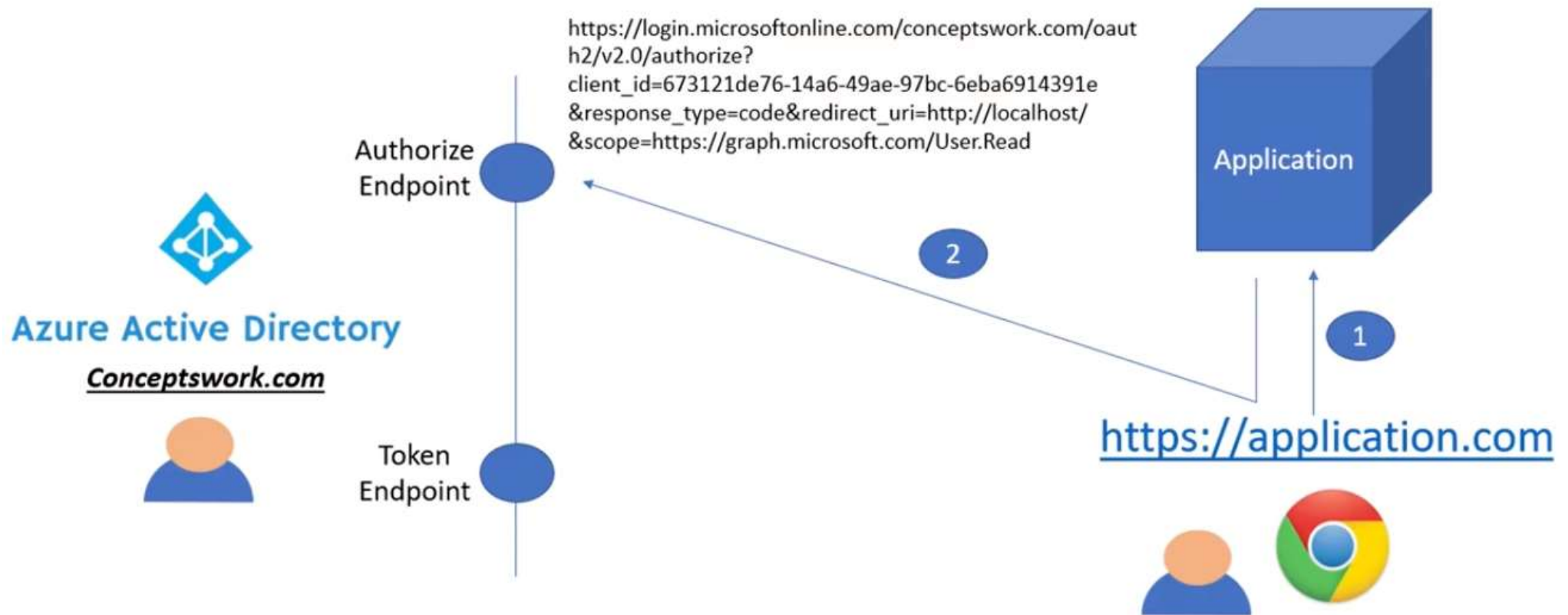
Claims

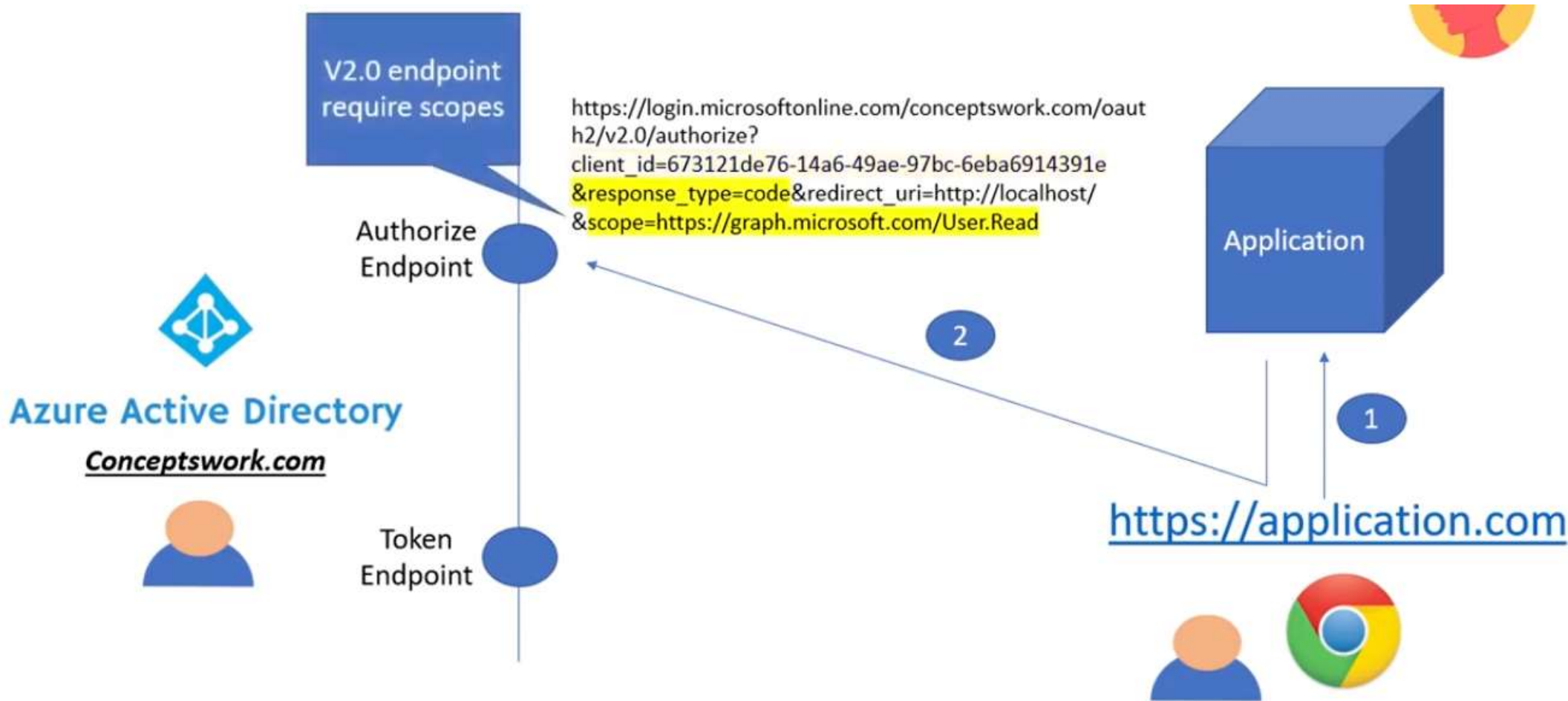
- When we get an ID token, that token has lots of information in it.
- To enable ID token, open app object\Authentication\Enable ID tokens
- ID token has information about the signed in user
- As part of this ID token we also get claims
- Claims
 - Has information about the user
- Group Claims
 - A user can be part of the Azure AD group
 - If App object is assigned a group then list of groups is returned in ID token as well
 - To enable to return the group claim, we need to modify App Object \Manifest
 - GroupMembershipClaims: "SecurityGroup"

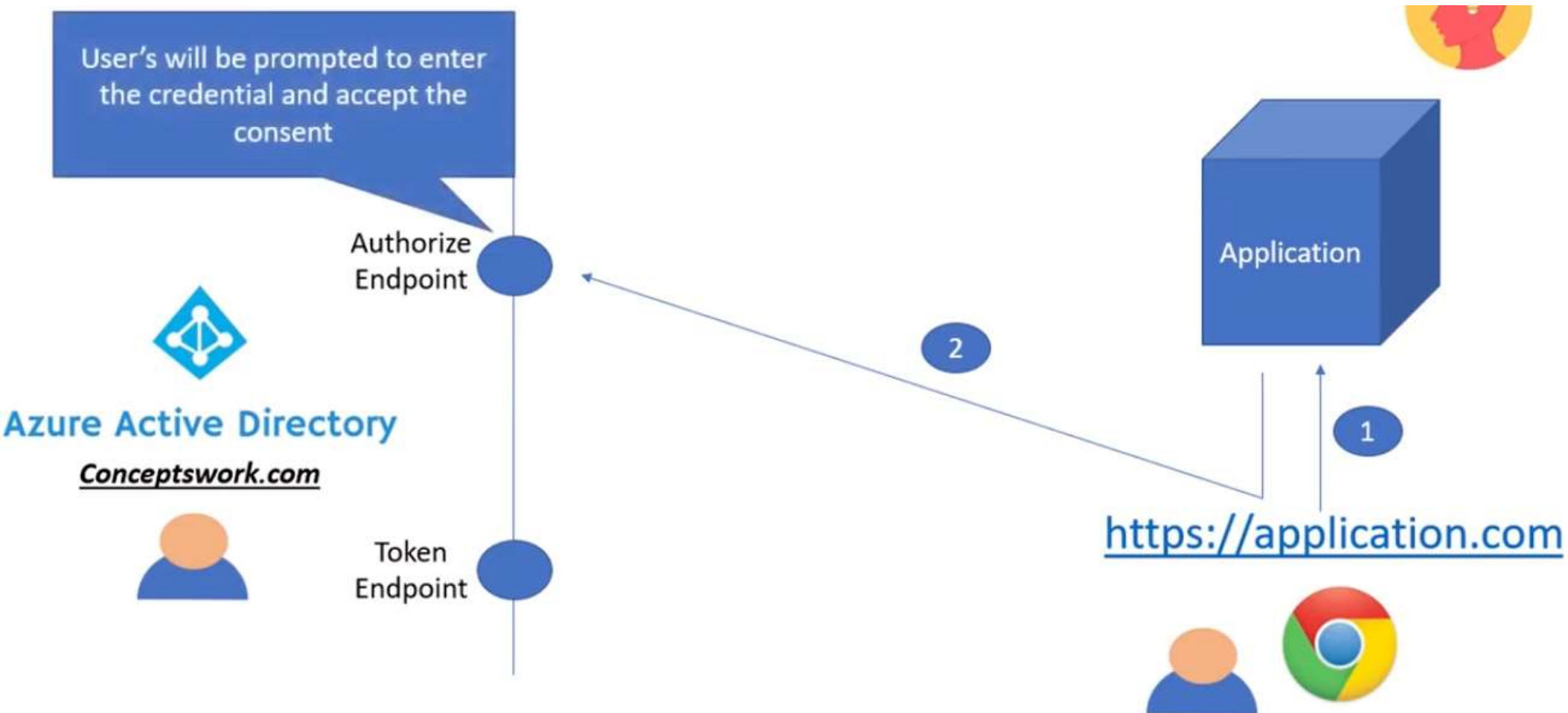


Authorization Code Flow

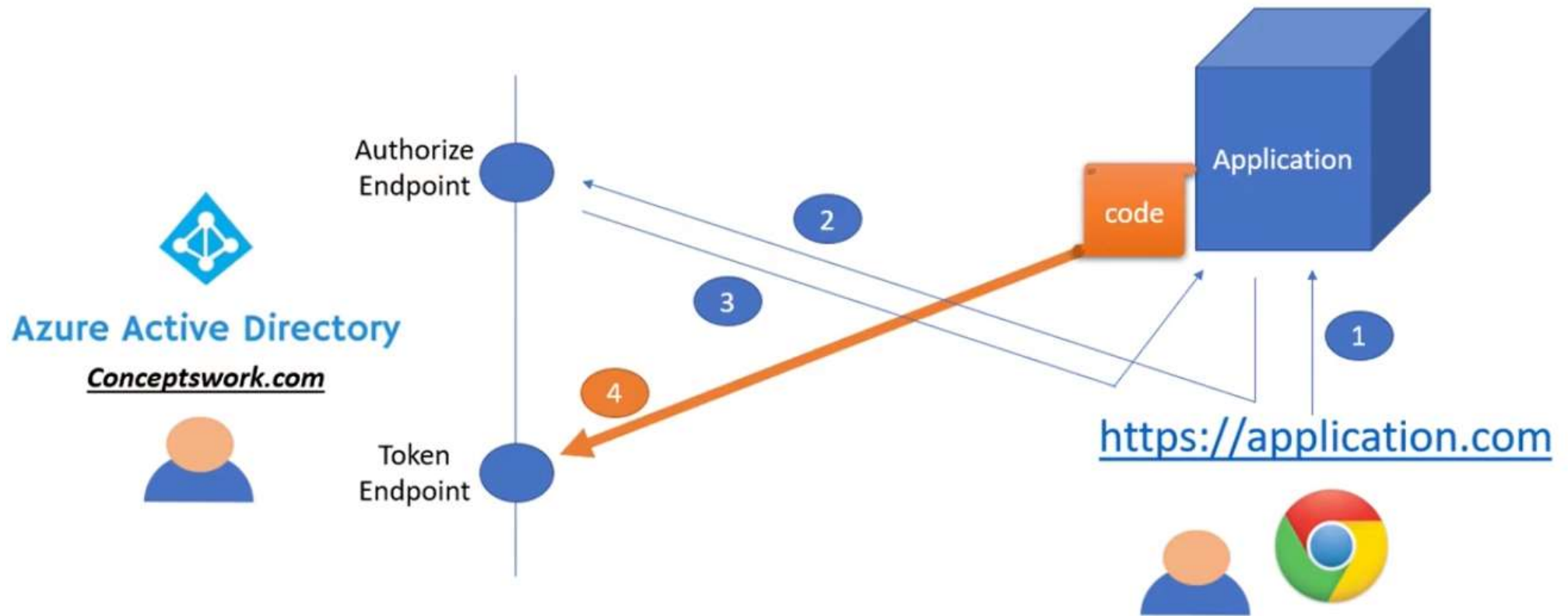
Gt Authorization Code



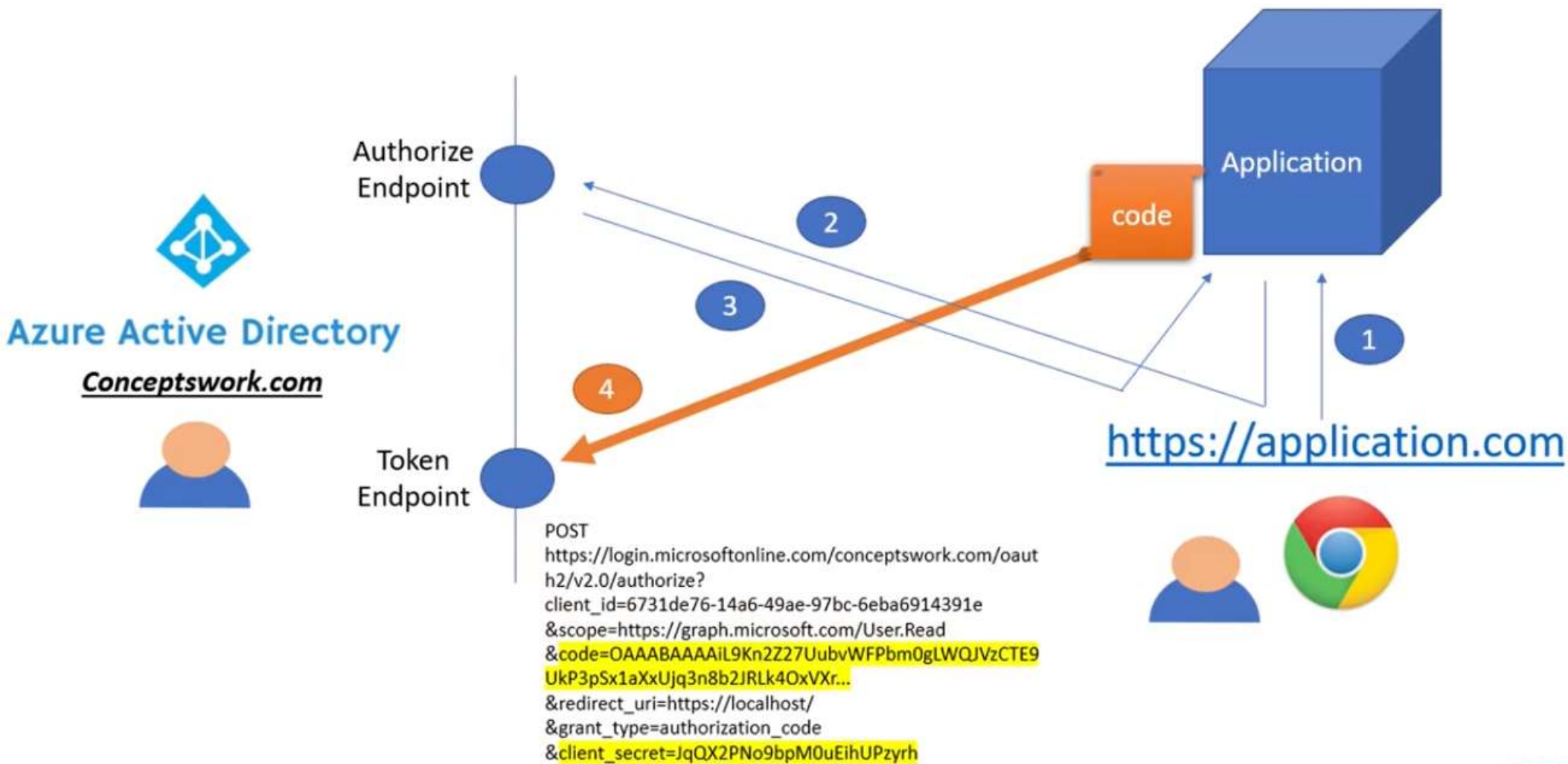




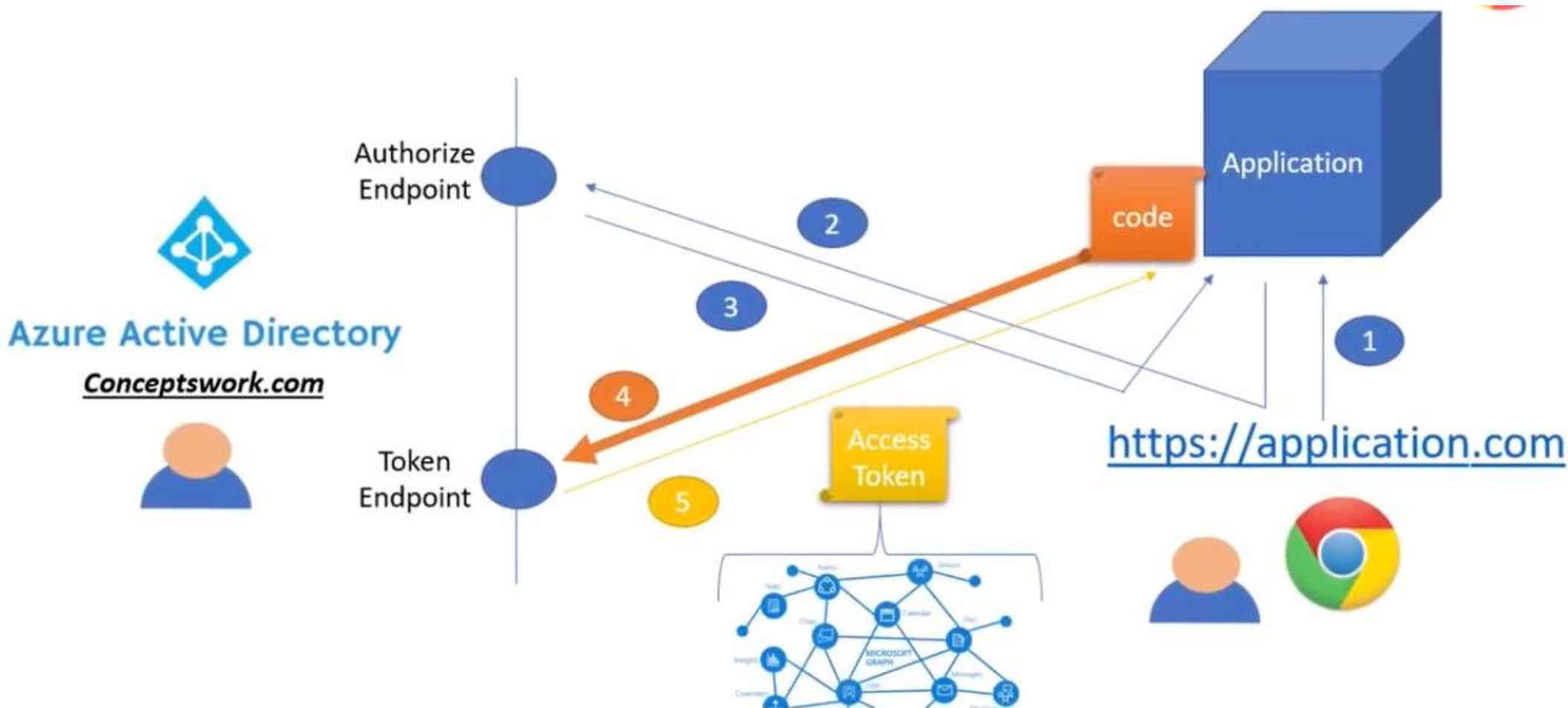
Get Access Token



Get Access Token



Get Access Token



Graph API

- Exposes REST APIs and client libraries to access data on the following Microsoft cloud services
 - Microsoft 365
 - Enterprise Mobility and Security services
 - Windows 10 services