## Role-based Access Control



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#### Overview



Managing Roles Using an Identity Provider

**Managing Roles In-app** 

**Defining User Roles** 

**Checking User Roles Post Login** 

Conditionally Showing/Hiding UI Elements Based on Role



## Managing Roles Using an Identity Provider

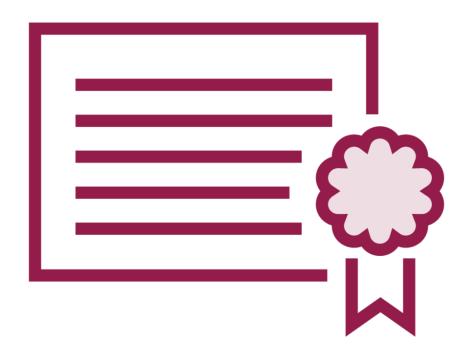


#### User Claims

```
function (user, context, callback) {
  const namespace = 'http://demo.net';
  const assignedRoles = (context.authorization || {}).roles;
  let idTokenClaims = context.idToken || {};
  let accessTokenClaims = context.accessToken || {};
  idTokenClaims[`${namespace}/roles`] = assignedRoles;
  accessTokenClaims[`${namespace}/roles`] = assignedRoles;
  context.idToken = idTokenClaims;
  context.accessToken = accessTokenClaims;
 callback(null, user, context);
```

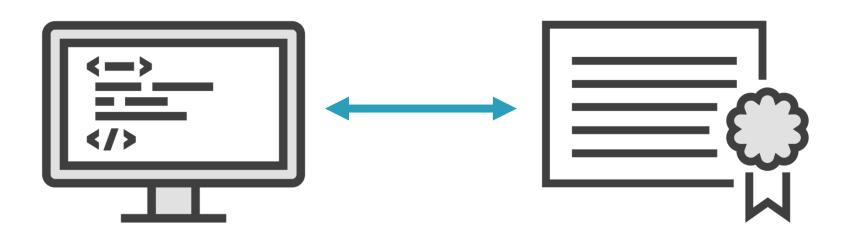


## Issuer

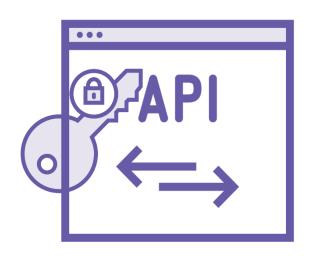


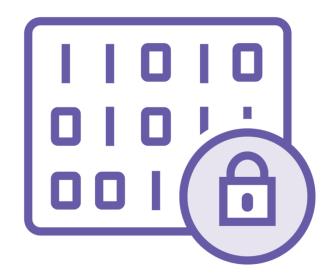


## Establish Trust



### Establish Trust







## Defining User Roles Locally

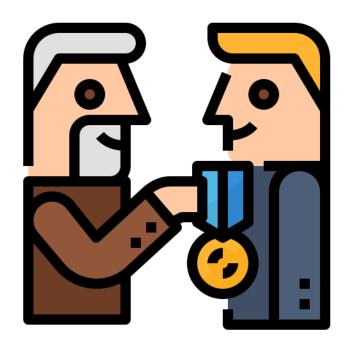


# Invite





## Post Sign Up





### Persist User Roles





### Demo



**Modifying User Model** 

Adding Required Code to Persist User Roles



## Check User Roles on Client Side



### Route Gaurds

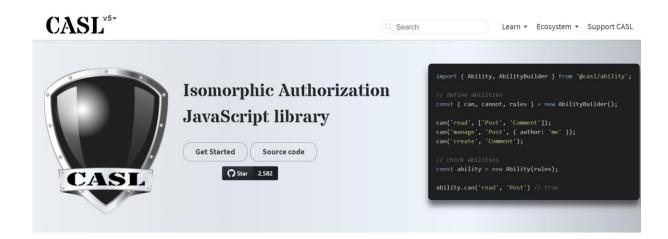




### Check User Roles







#### Isomorphic

Complementary packages make integration with major Frontend Frameworks and Backend ORMs effortless

#### Versatile

Easily scales between a claim based and subject/attribute based authorization.

#### Declarative

Allows to serialize and share permissions between UI, API and microservices

#### **TypeSafe**

Written in TypeScript, that makes your apps safer and developer experience more enjoyable

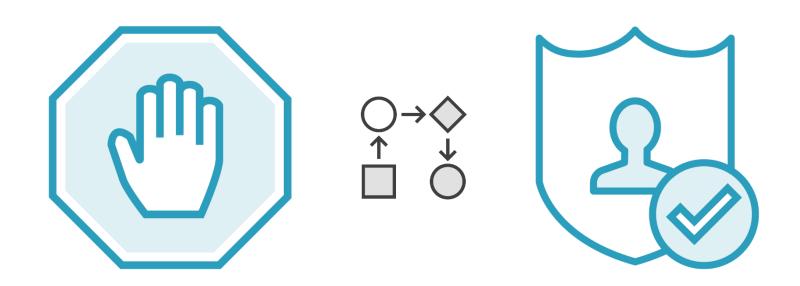
#### Tree shakable

The core is only 4KB mingzipped and can be even smaller!





## Grant or Deny Access



### Demo



Creating Route Gaurd
Checking User Role
Granting/Denying Access



## Summary



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# Up Next: 3<sup>rd</sup> Party Providers

