Authorization Policies and Access Control

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Coming Up

Attribute-based Access Control

Authorization Policies

Role-based Access Control vs. Attribute-based Access Control

Role-based Access Control (RBAC)

Access rights granted through predefined roles

Each role carries a set of privileges

Attribute-based Access Control (ABAC)

Access rights granted through policies

A policy combines a set of attributes (claims) together

Allows much more complex rules than RBAC

Upcoming Demos

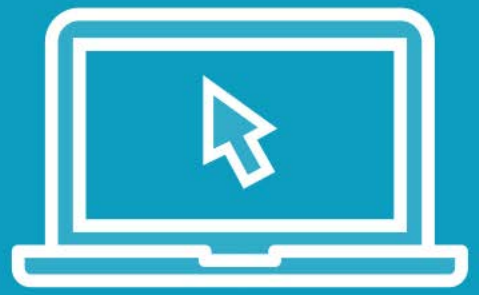
We'll replace RBAC with ABAC

Only users

- with a certain subscription level
- from a specific country

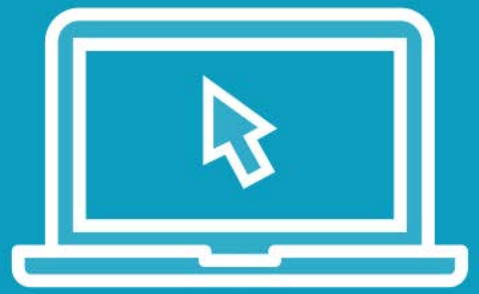
... will be allowed to order a framed picture

Demo



Creating a Simple Authorization Policy

Demo



Using an Authorization Policy

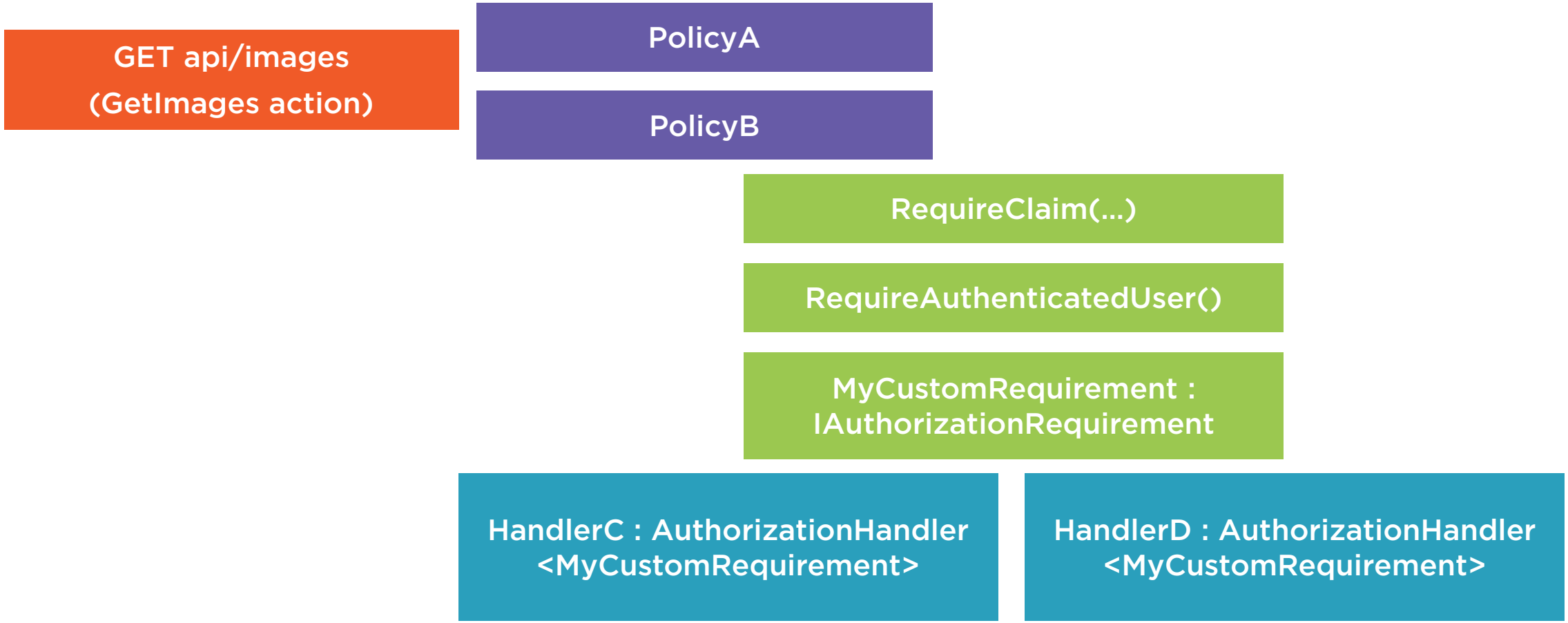
Extending Authorization Policies with Requirements and Handlers

Built-in policy options are great for simple cases

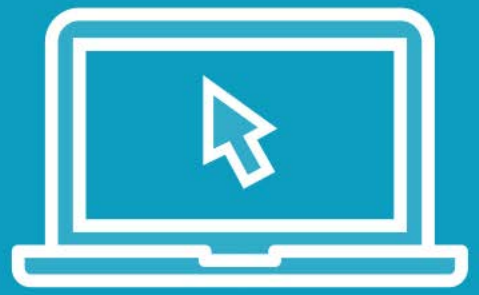
More complex rules requires extending the policy

- Boolean operators
- Repository access
- Route data access
- ...

Extending Authorization Policies with Requirements and Handlers



Demo



Creating Custom Requirements and Handlers

Summary

Attribute-based Access Control (ABAC)

- Access rights granted through policies
- A policy combines a set of attributes (claims) together
- Allows much more complex rules than RBAC

ABAC is the preferred approach for most applications these days