

# 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

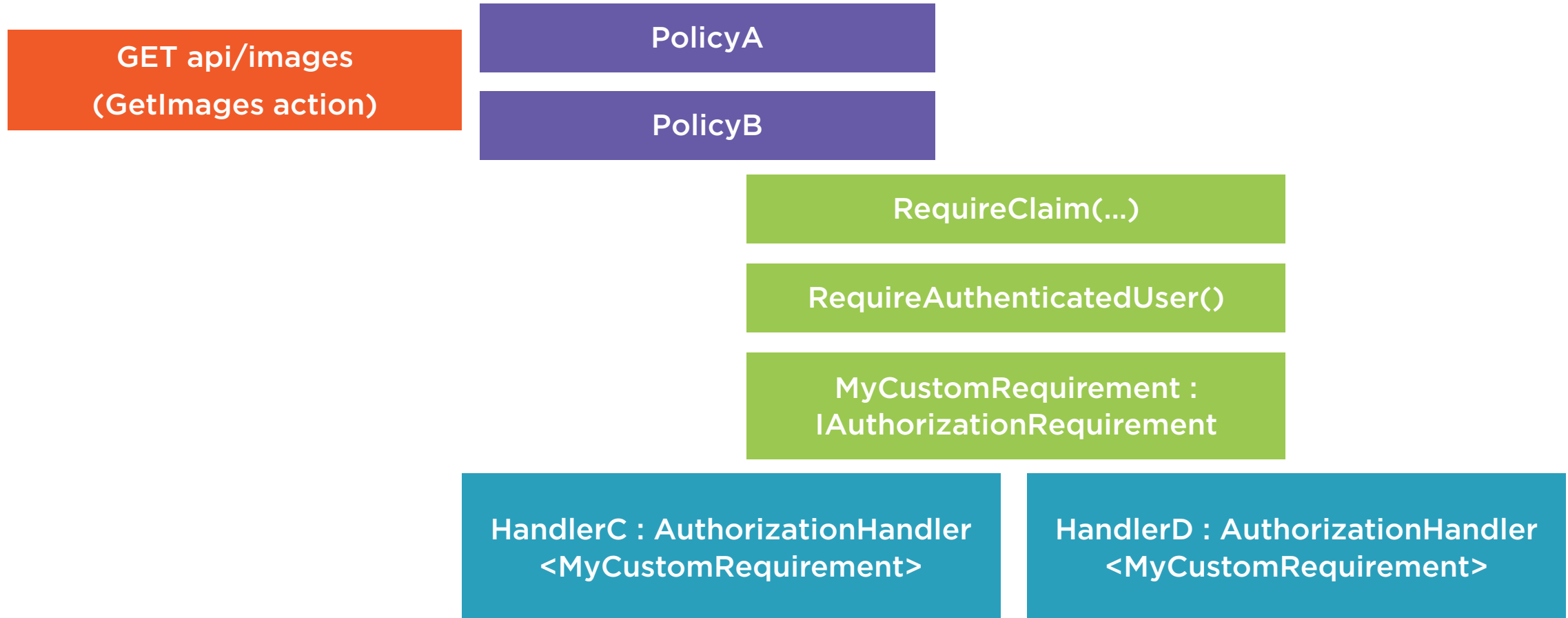
**Built-in policy options are great for simple cases**

**The need for 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**

