Building Business Applications with Angular and ASP.NET Core

GETTING STARTED

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Coming Up

Business Applications

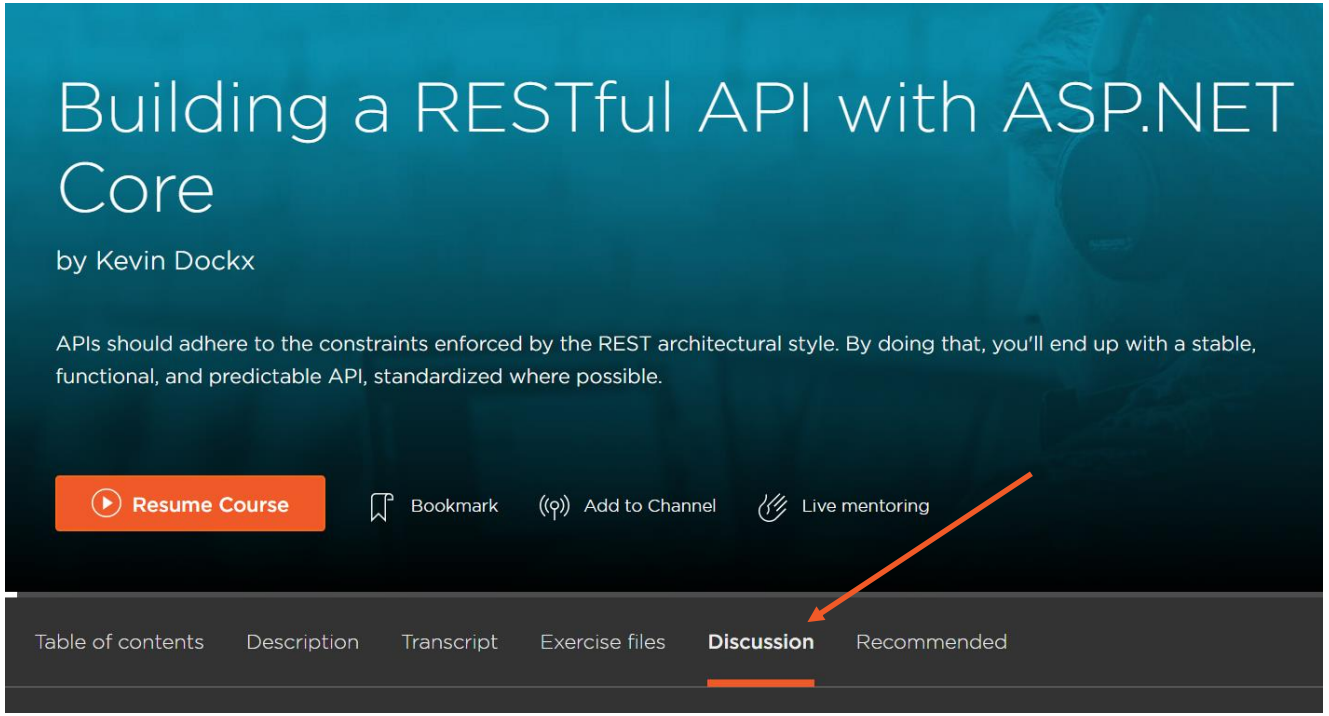
Prerequisites, Frameworks and Tooling

Getting Our Environment up to Speed

Inspecting the Demo Application

Discussion tab on the course page

Twitter: @KevinDockx



(Course shown is one of my other courses, not this one)

Building Business Applications

Cross-cutting technical and business concerns

Use cases that aren't obvious to solve

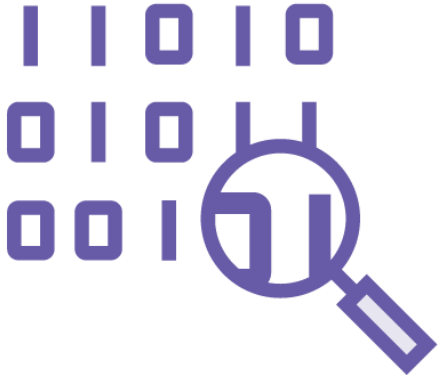
Performance and reliability

Advanced data creation and update scenarios

Data integrity

Validation across client-server borders, media types

Evolvability



Media types

Security

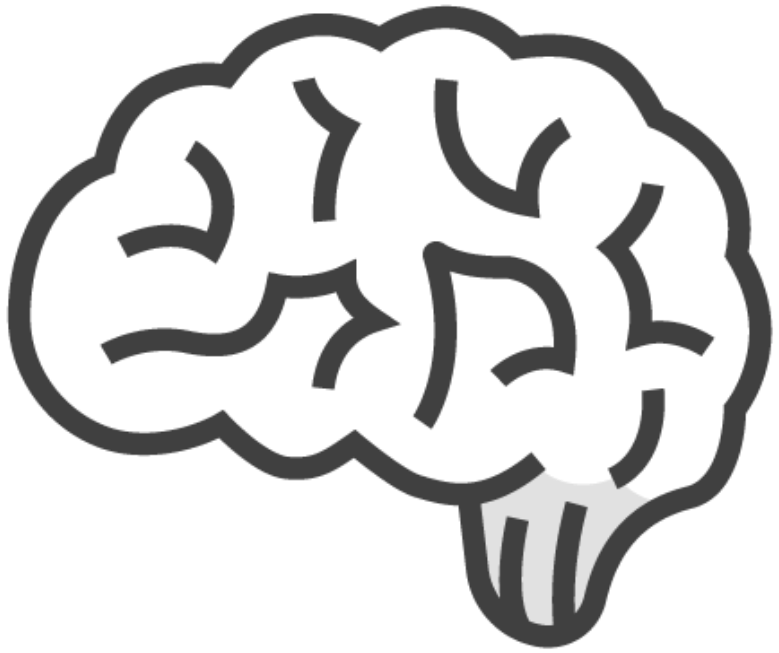
Integrating with an Identity Provider, OpenID Connect, OAuth2 and authorization policies

Course Prerequisites

Knowledge of Angular (2+)

Knowledge of ASP.NET Core
(for building APIs)

Course Prerequisites



Angular: Getting Started (Deborah Kurata)

- http://bit.ly/2jy1y29

Angular Reactive Forms (Deborah Kurata)

- http://bit.ly/2oVkpb9

Building Your First API with ASP.NET Core (yours truly)

- http://bit.ly/2gmeTdO

Frameworks and Tooling

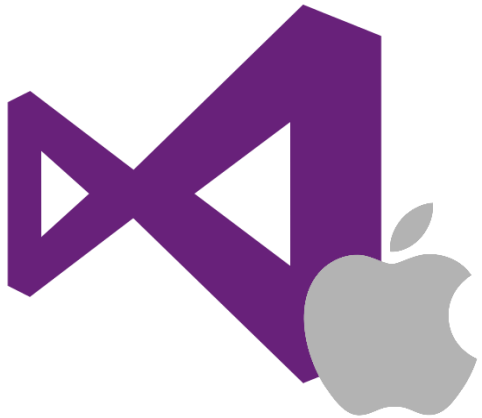
Front-end
Angular 5
(with TypeScript)

Back-end
ASP.NET Core 2.0

Frameworks and Tooling

Visual Studio 2017
(v15.3+)

http://bit.ly/2dSGoN5



Visual Studio for Mac

http://bit.ly/2fXmQpH

Visual Studio Code

http://bit.ly/1J6QrU6

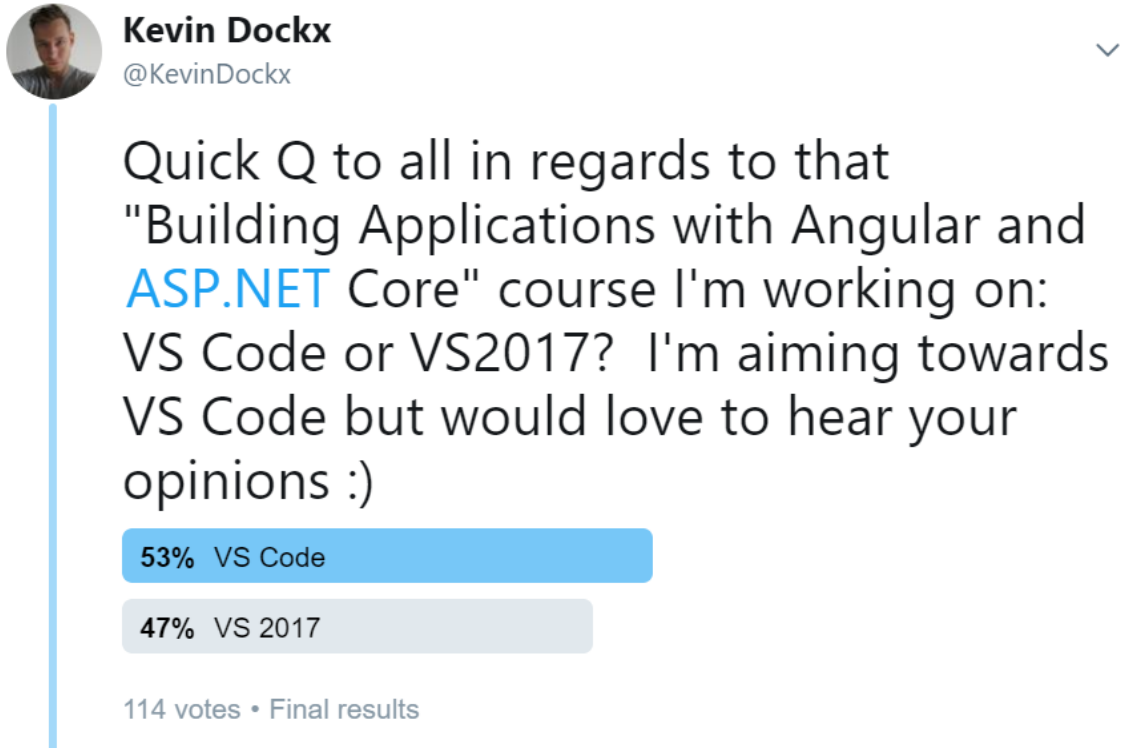
JetBrains Rider,
Sublime, ...

Front-end

Visual Studio Code

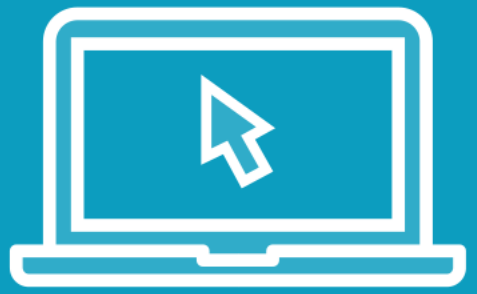
Back-end

Visual Studio 2017



(link: http://bit.ly/2Buh6kB)

Demo



Getting Our Environment up to Speed

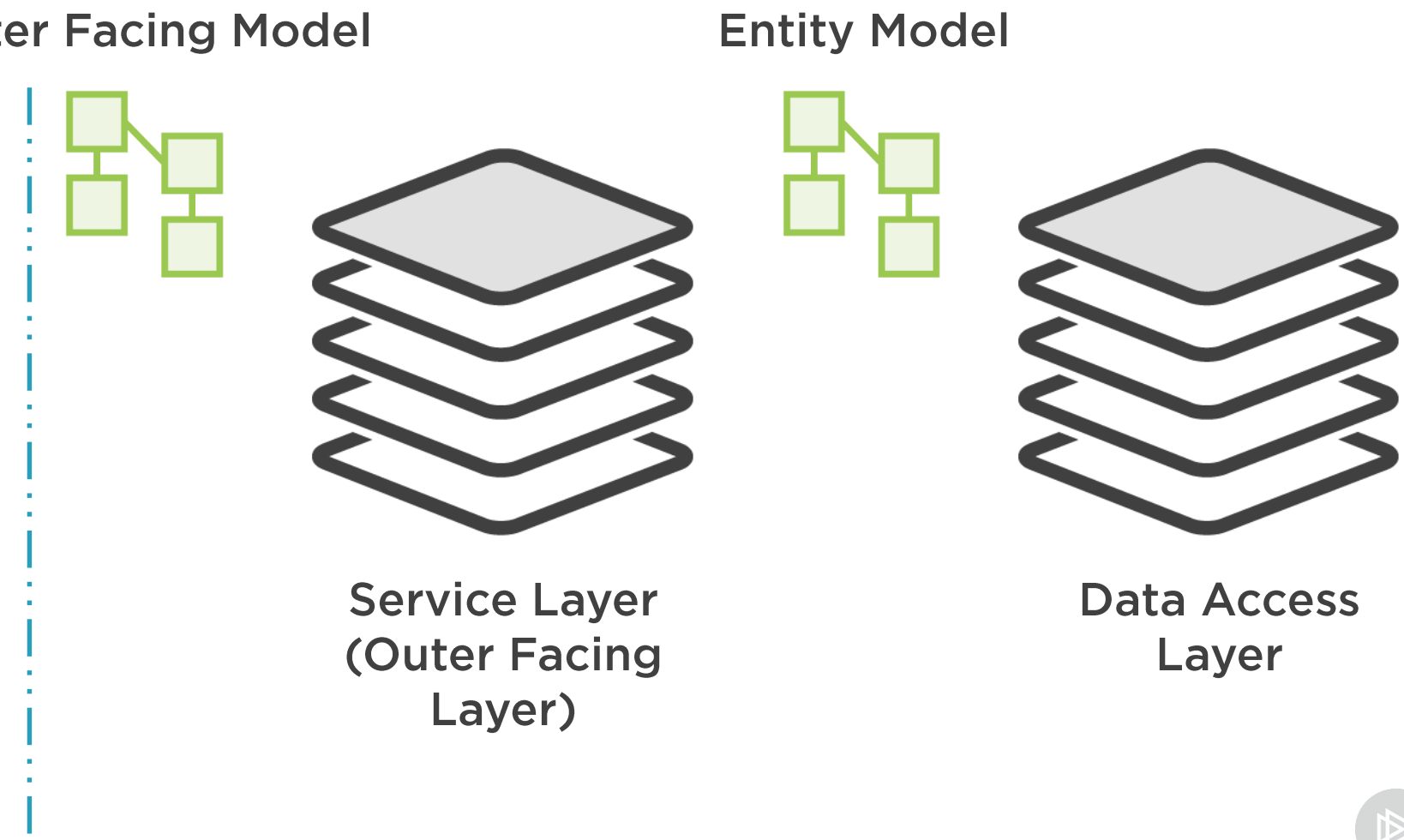
Demo

Running the Demo Application

Demo

Inspecting the Demo Application

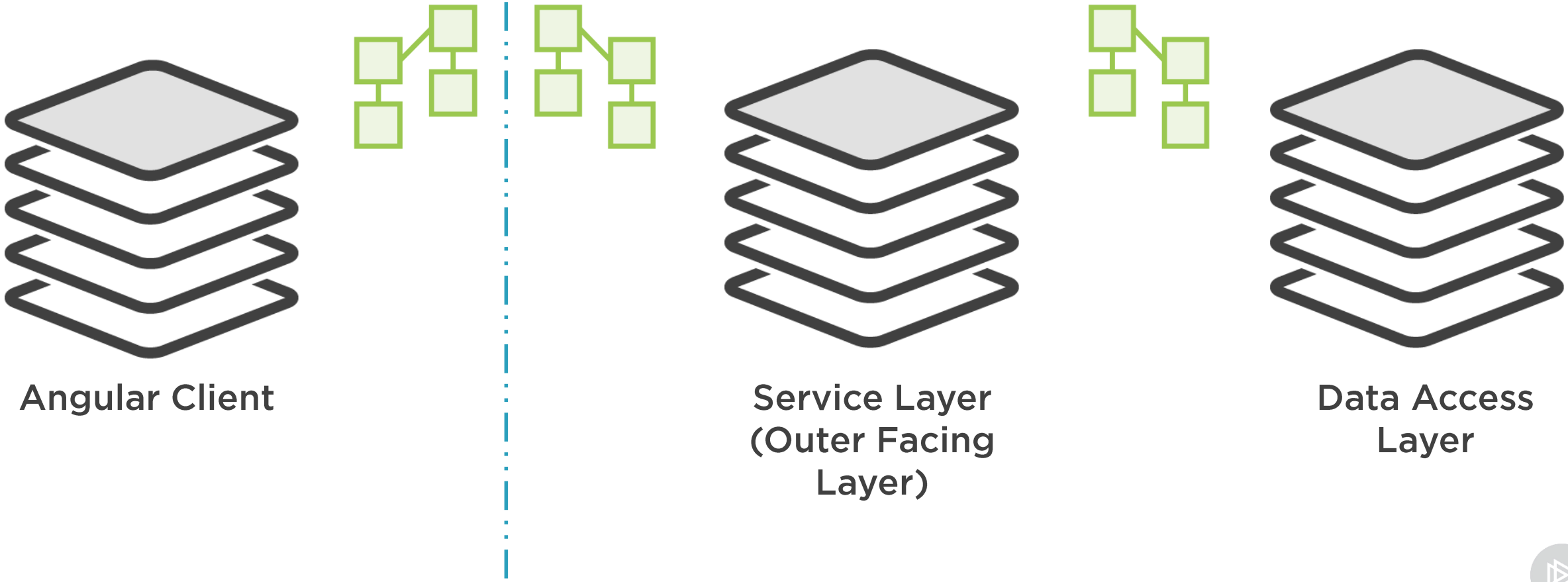
Application Architecture



Application Architecture

Outer Facing Model
(DTOs: TypeScript & C# classes)

Entity Model

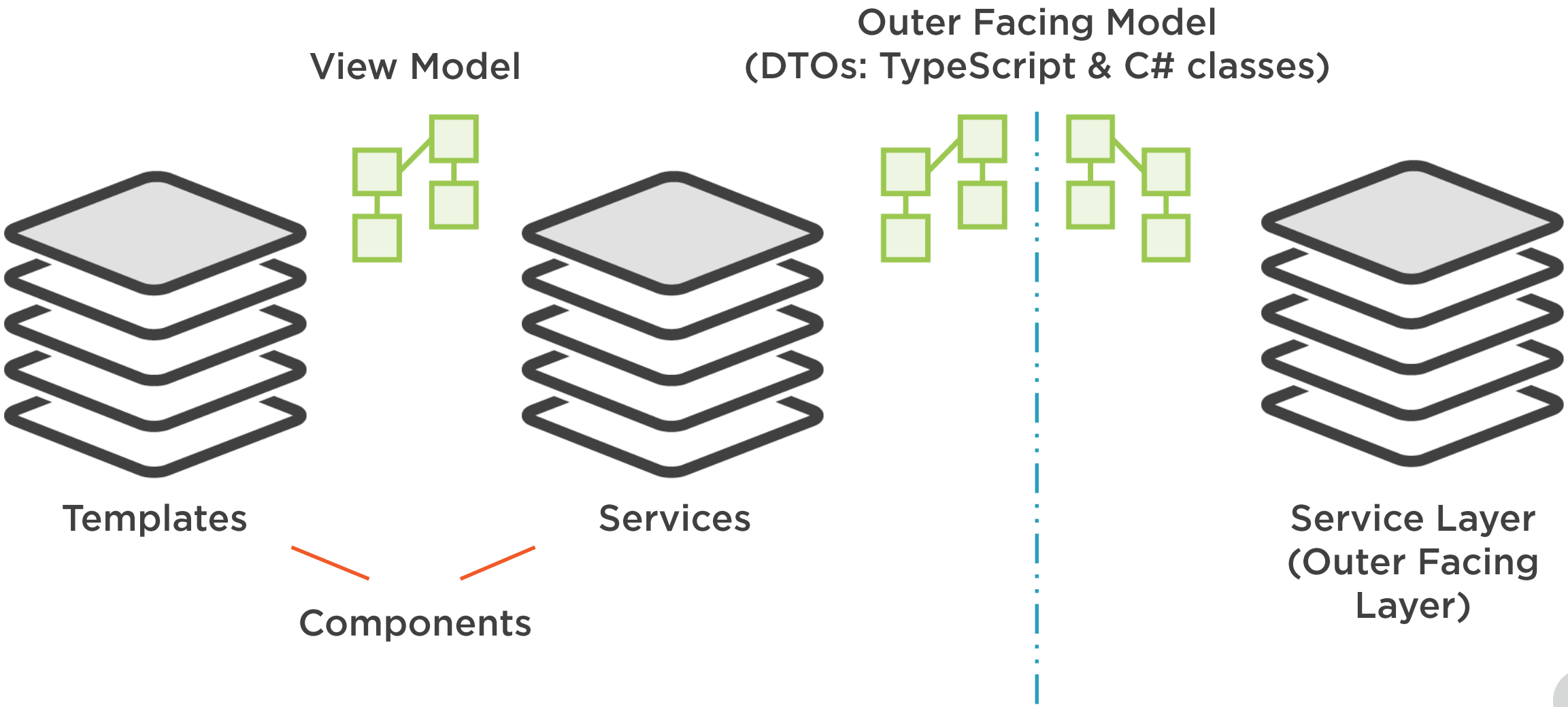


Angular Client

Service Layer
(Outer Facing
Layer)

Data Access
Layer

Application Architecture



Summary

We'll improve

- Performance and reliability
- Data integrity
- Evolvability
- Security