Extending Data Binding with Custom Model Binders
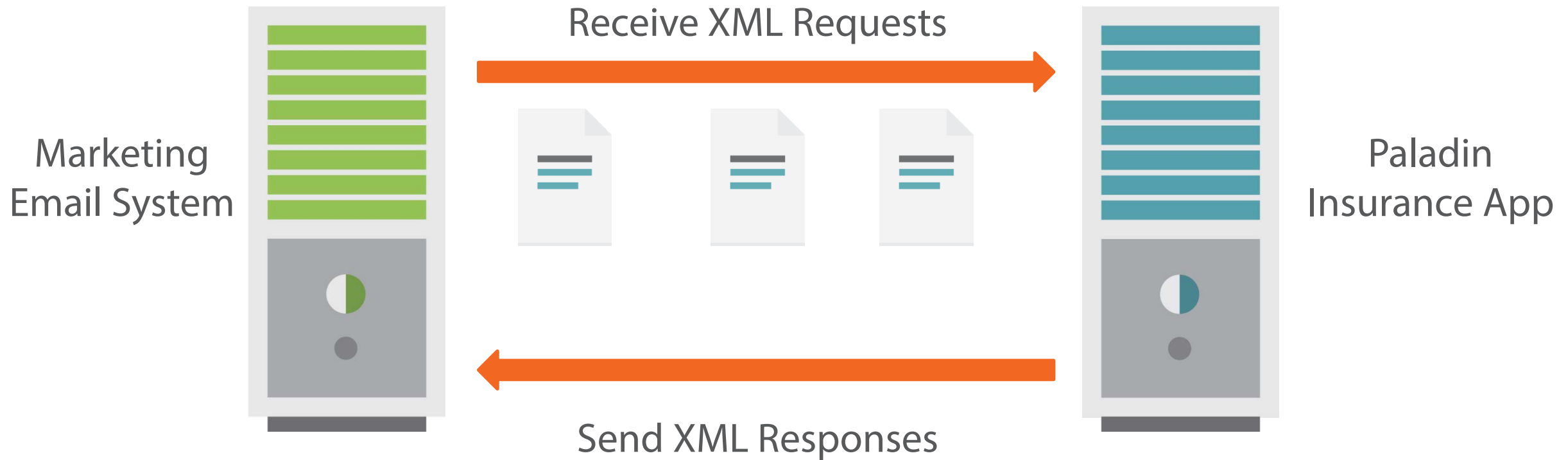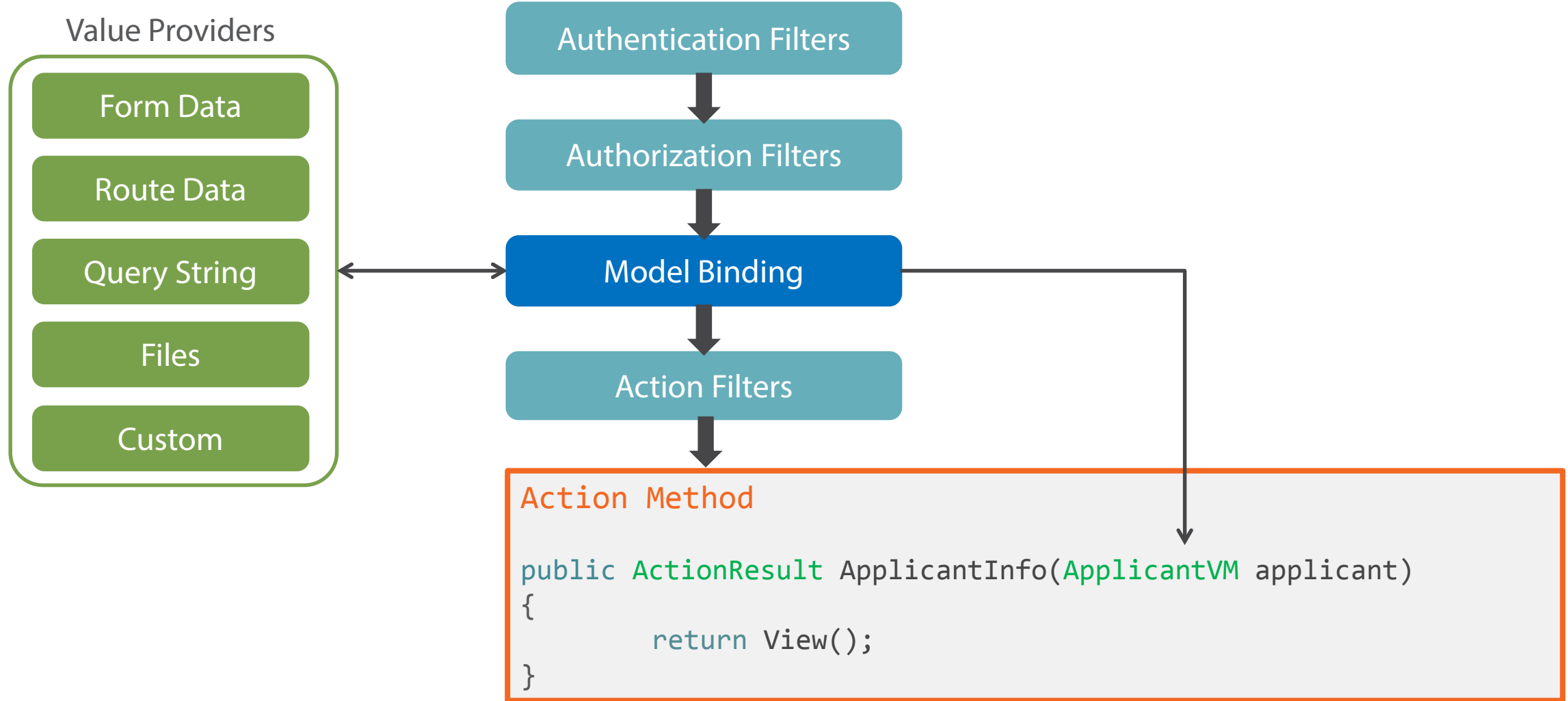

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Handling XML Requests and Responses

Marketing Email System

Receive XML Requests →

Paladin Insurance App

← Send XML Responses

The Model Binding Process

Value Providers

- Form Data
- Route Data
- Query String
- Files
- Custom

Authentication Filters

Authorization Filters

Model Binding

Action Filters

Action Method

```
public ActionResult ApplicantInfo(ApplicantVM applicant)
{
        return View();
}
```
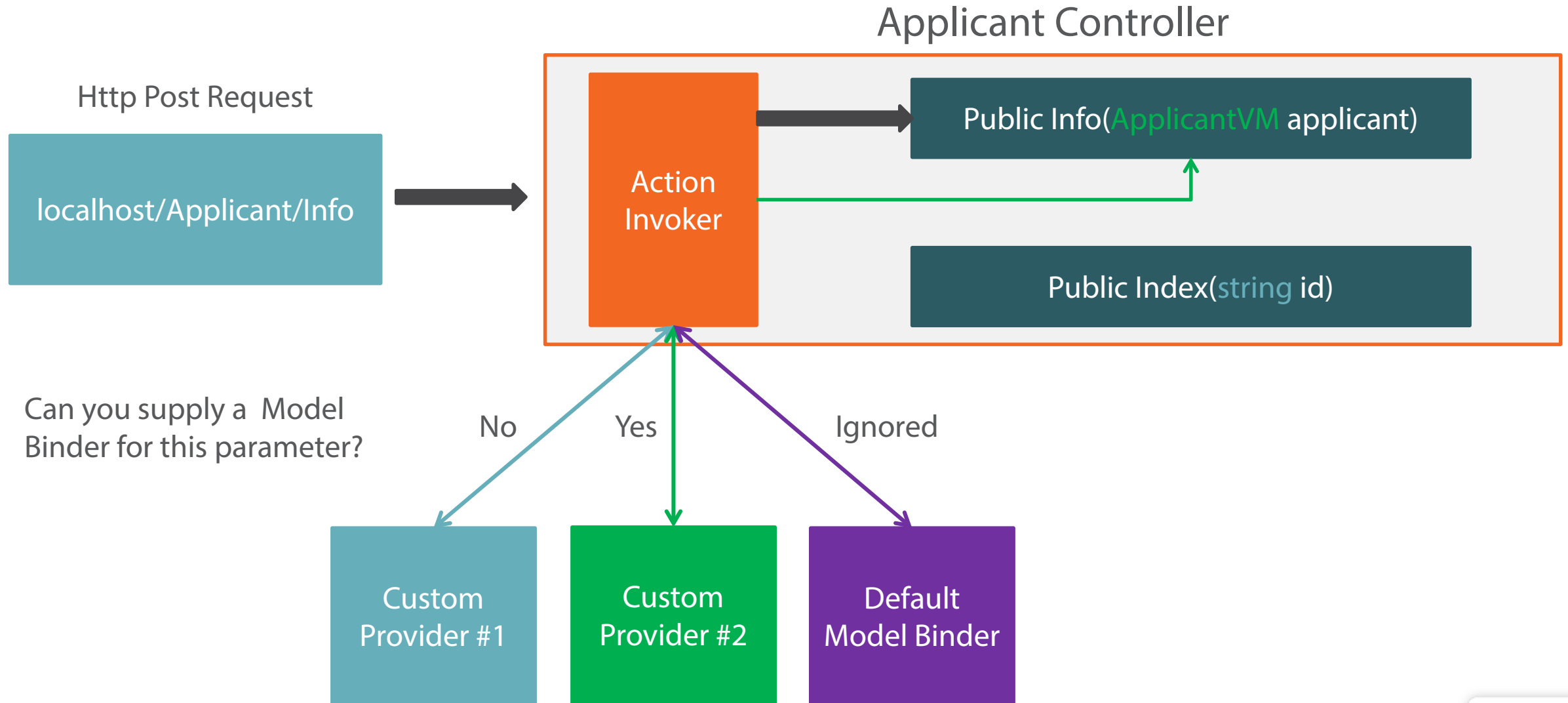
The IModelBinder Interface

```csharp
public interface IModelBinder
{
        object BindModel(ControllerContext controllerContext, ModelBindingContext bindingContext)
}
```
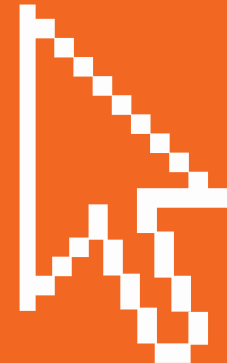
The IModelBinderProvider Interface

```csharp
public interface IModelBinderProvider
{
        IModelBinder object GetBinder(Type model)

}
```

The ModelBinderProvider

Applicant Controller

Http Post Request

localhost/Applicant/Info

Action Invoker

Public Info(ApplicantVM applicant)

Public Index(string id)

Can you supply a Model Binder for this parameter?

No

Yes

Ignored

Custom Provider #1

Custom Provider #2

Default Model Binder

Demo

Creating a Custom Model Binder

Summary

- Custom Model Binders can extend or replace binding functionality

- Implemented through IModelBinder

- Model Binder Providers determine which binder will be used for a given model or request

- The first acceptable Model Binder will be used – the other ignored