

Adding Navigation to the Site



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Overview



Understanding navigation in MVC

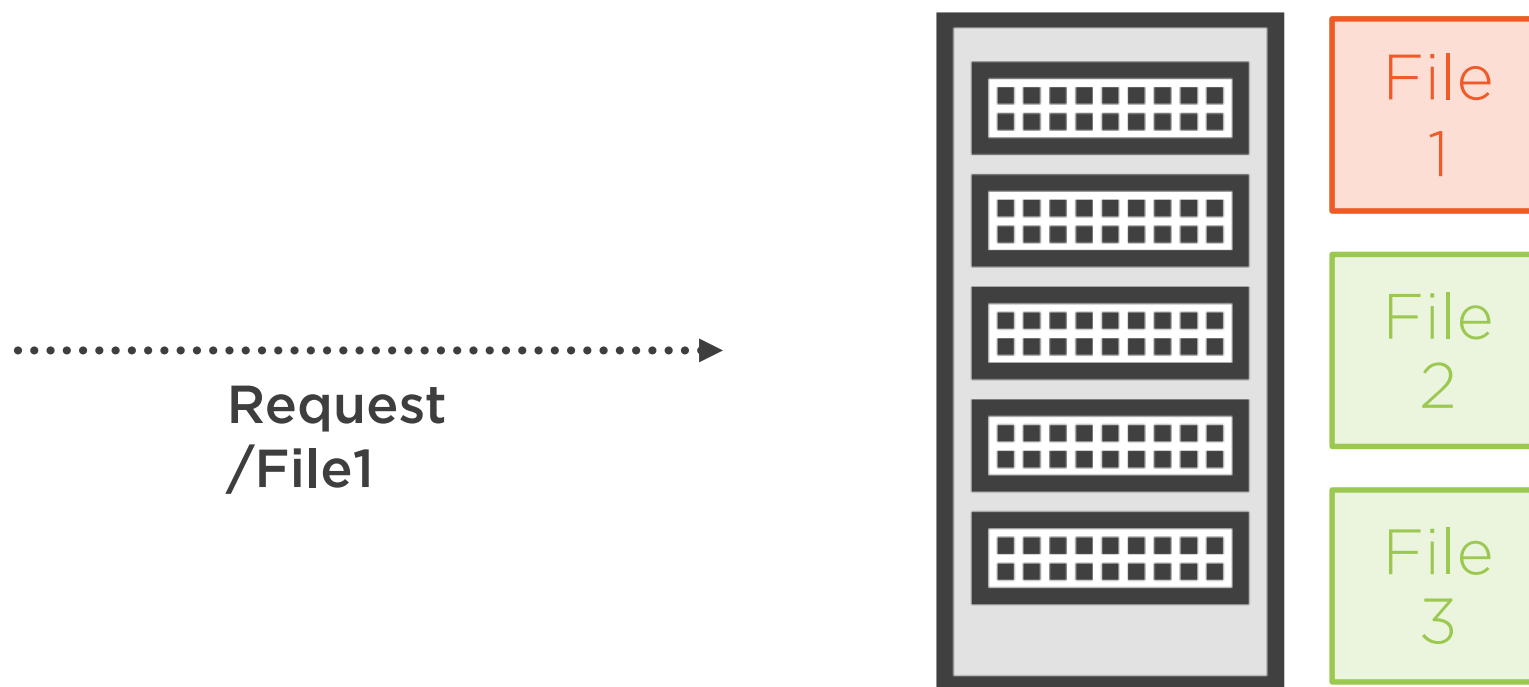
Adding navigation



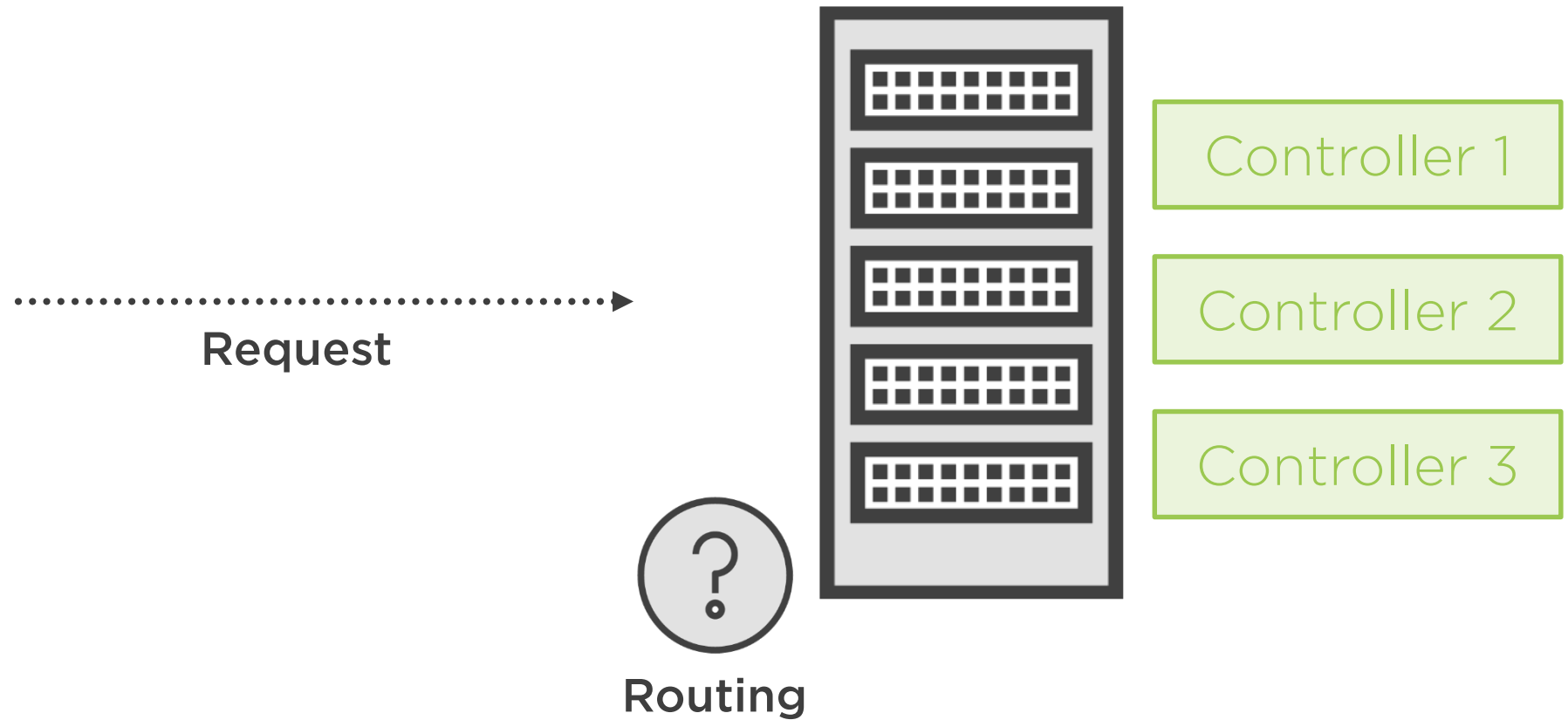
Understanding Navigation in MVC



Serving Files



Handling Requests in ASP.NET Core MVC



Patterns and Routes

`http://www.bethanyspieshop.com/Pie/List`

↑
Controller
↑
Action

`{Controller}/{Action}`



Routing to the Action Method

```
public class PieController : Controller
{
    public ActionResult List()
    {
        return View();
    }
}
```



Working with Segments

`http://www.bethanyspieshop.com/Pie/Details/1`

Controller

Action

Value

`{Controller}/{Action}/{id}`



Passing a Value

```
public class PieController : Controller
{
    public ViewResult Details(int id)
    {
        //Do something
    }
}
```



```
app.UseMvcWithDefaultRoute();
```

```
//Maps to {controller=Home}/{action=Index}/{id?}
```

Default Route



```
app.UseMvc(routes =>
{
    routes.MapRoute(
        name: "default",
        template: "{controller=Home}/{action=Index}/{id?}");
});
```

Defining Routes



```
app.UseMvc(routes =>
{
    routes.MapRoute(
        name: "default",
        template: "{controller=Home}/{action=Index}/{id?}");
});
```

Route Defaults

- Will match www.bethanyspieshop.com



```
app.UseMvc(routes =>
{
    routes.MapRoute(
        name: "default",
        template: "{controller=Home}/{action=Index}/{id?}");
});
```

Optional Segments

- Will match
 - www.bethanyspieshop.com/Pie/List
 - www.bethanyspieshop.com/Pie/Details/1



Adding Navigation



Tag Helpers



Server-side

Trigger code execution

Built-in or custom

Replace HTML Helpers



```
<a asp-controller="Pie" asp-action="List">  
  View Pie List  
</a>
```

Tag Helpers




```
<a href="/Pie/List">View Pie List</a>
```

Resulting HTML



Tag Helpers

asp-controller

asp-action

asp-route-*

asp-route



Demo



Adding Navigation



Summary



**Routing matches incoming request URI
with pattern**

Tag Helpers





Up next:
Adding a form

